

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/131H

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 perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or 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 296 FNL & 1401 FWL, NENW, Sec. 15, T.25S, R.35E to 536 FNL & 1434 FWL, NENW, Sec. 15, T.25S, R.35E. Changes to the drill plan and other variance requests are detailed in the attached summary and supporting documents. Please see the attached revised C102 plat, directional plan, anticollision report, production casing spec sheets and wellhead diagram for additional information.

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

BRIAN WOOD / Ph: (505) 466-8120

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

05/27/2025

Date

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

Office CARLSBAD

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

(Instructions on page 2)

Additional Information

Location of Well

0. SHL: NENW / 296 FNL / 1401 FWL / TWSP: 25S / RANGE: 35E / SECTION: 15 / LAT: 32.1368235 / LONG: -103.3594077 (TVD: 0 feet, MD: 0 feet)

PPP: NWNW / 170 FNL / 604 FWL / TWSP: 25S / RANGE: 35E / SECTION: 15 / LAT: 32.1371684 / LONG: -103.3619814 (TVD: 11895 feet, MD: 11990 feet)

BHL: SWSW / 5 FSL / 609 FWL / TWSP: 25S / RANGE: 35E / SECTION: 22 / LAT: 32.1086284 / LONG: -103.3619816 (TVD: 12213 feet, MD: 22457 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 30-025-54739	Pool Code 98185	Pool Name WC-025 G-09 S253502B;LWR BONE SPRING
Property Code 337333	Property Name JUNIOR MINT FED	Well Number 131H
OGRID No. 332195	Operator Name CIVITAS PERMIAN OPERATING, LLC	Ground Level Elevation 3221'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
C	15	25-S	35-E	-	536' N	1434' W	N 32.1361630	W 103.3593017	LEA

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
M	22	25-S	35-E	-	5' S	609' W	N 32.1086284	W 103.3619816	LEA

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.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
D	15	25-S	35-E	-	100' N	609' W	N 32.1373666	W 103.3619671	LEA

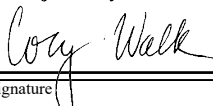
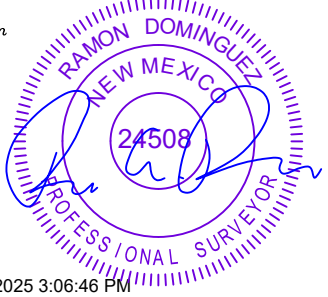
First Take Point (FTP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
D	15	25-S	35-E	-	100' N	609' W	N 32.1373666	W 103.3619671	LEA

Last Take Point (LTP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
M	22	25-S	35-E	-	100' S	609' W	N 32.1088896	W 103.3619810	LEA

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

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 3:06:46 PM	
Signature Cory Walk		Signature and Seal of Professional Surveyor	
Date 4-16-25		Date	
Print Name cory@permitswest.com		Certificate Number	Date of Survey 01/30/2025
E-mail Address			

C-102

Submit Electronically
Via OCD PermittingState of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

Revised July 9, 2024

Submittal
Type:

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

Property Name and Well Number

JUNIOR MINT FED 131H

SURFACE LOCATION (SHL)

NEW MEXICO EAST
NAD 1983
X=842835 Y=414635
LAT.: N 32.1361630
LONG.: W 103.3593017
NAD 1927
X=801648 Y=414577
LAT.: N 32.1360366
LONG.: W 103.3588367
536' FNL 1434' FWL

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

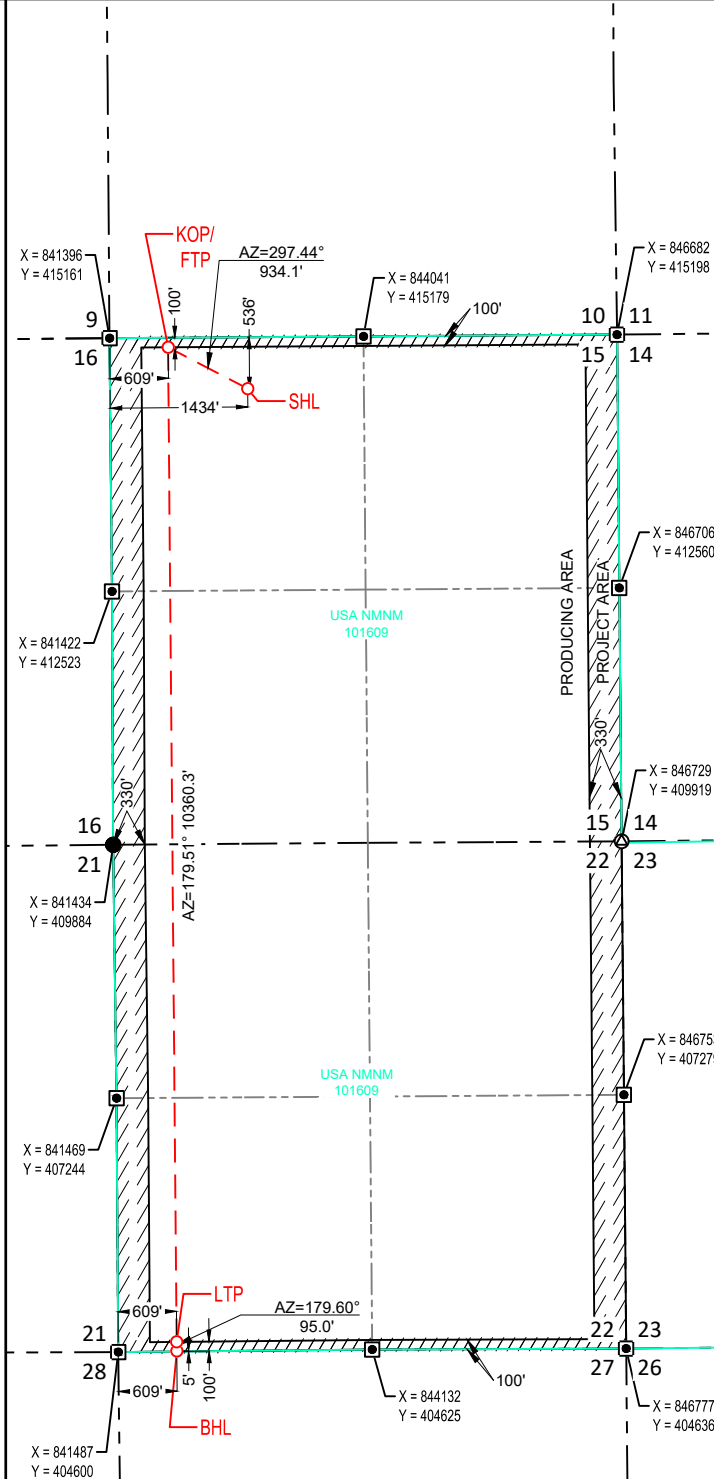
NEW MEXICO EAST
NAD 1983
X=842006 Y=415066
LAT.: N 32.1373666
LONG.: W 103.3619671
NAD 1927
X=800819 Y=415007
LAT.: N 32.1372403
LONG.: W 103.3615020
100' FNL 609' FWL

LAST TAKE POINT (LTP)

NEW MEXICO EAST
NAD 1983
X=842095 Y=404706
LAT.: N 32.1088896
LONG.: W 103.3619810
NAD 1927
X=800908 Y=404648
LAT.: N 32.1087631
LONG.: W 103.3615173
100' FSL 609' FWL

BOTTOM HOLE LOCATION (BHL)

NEW MEXICO EAST
NAD 1983
X=842096 Y=404611
LAT.: N 32.1086284
LONG.: W 103.3619816
NAD 1927
X=800909 Y=404553
LAT.: N 32.1085020
LONG.: W 103.3615180
5' FSL 609' FWL



SURVEYORS CERTIFICATION

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

01/30/2025

Date of Survey

Signature and Seal of Professional Surveyor:



2/6/2025 3:06:51 PM

Junior Mint Sundry Summary

4/3/2025

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

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

- Intermediate Cement: for all Junior Mint wells with deepset 7 5/8" intermediate strings, the following items are updated in the cement table:
 - i. Intermediate Lead/Tail Volumes: based of offset TapRock wells drilled in the previous two years, the lead and tail cement volumes are increased to improve assurance of cement to surface.
 - ii. Intermediate Yield: The lead cement yield for the 10.5 ppg slurry is updated to reflect recent labs from cement providers.
 - iii. Intermediate Contingency for no returns and/or lack of cement to surface: the goal is to ensure quality cement from shoe to surface
 - 1. No Returns at TD of 9 7/8" Hole: Civitas Resources requests to pump an intentional 2-stage cement job where stage 1 would be pumped to the mid/base of the Brushy Canyon and stage 2 would be pumped as a standard bradenhead squeeze to the mid/base of Brushy Canyon, thus cementing the entire string. To verify the TOC of stage 2, and Echo-meter will be used

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

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

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

Top Out (if necessary): 14.8 Class C Neat, Yield: 1.33 cuft/sk; if required, Civitas Resources will request BLM approval to top out after running a temp survey and report back to BLM the amount of volume to flush cement lines to wellhead.
- 2. No Cement to Surface 7 5/8" cement Job: Civitas Resources requests to pump an intentional 2-stage cement job where stage 1 would be pumped to the

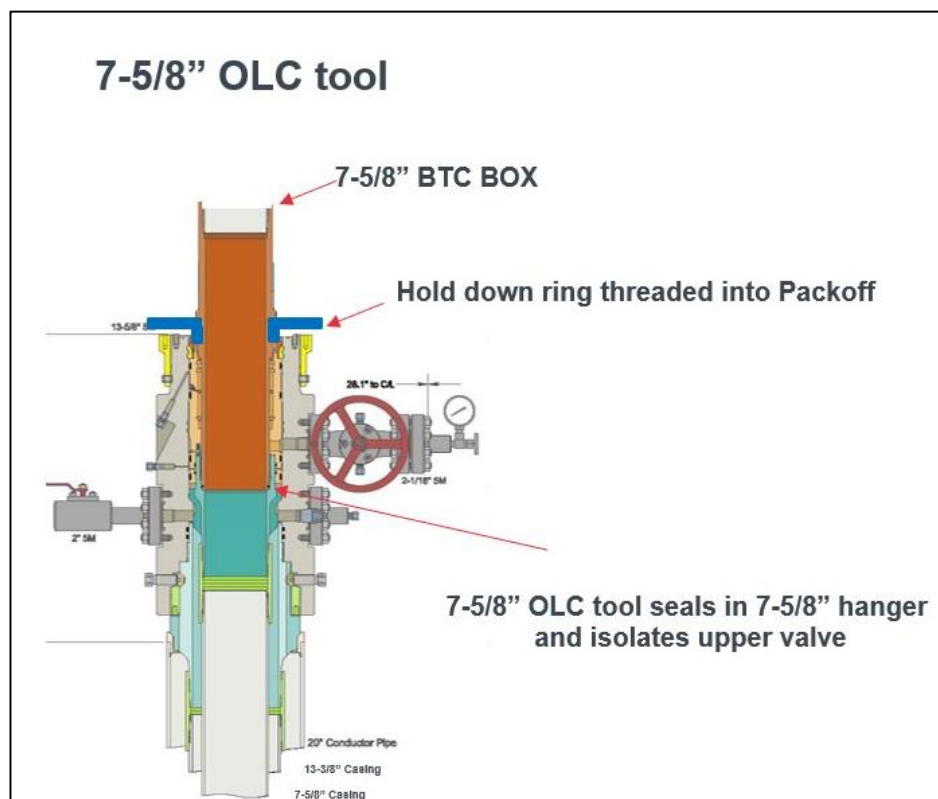


mid/base of the Brushy Canyon and stage 2 would be pumped as a standard bradenhead squeeze to the mid/base of Brushy Canyon (as described above), thus cementing the entire string. To verify the TOC of stage 2, and Echo-meter will be used and with BLM approval, top out the job as needed.

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



2. **Offline Cementing Intermediate Casing Only:** In addition to the batch drilling variance submitted in the original APD, Civitas Resources requests a variance for the option to offline cement intermediate casing strings set higher than the top of the WCA during the Junior Mint drilling campaign. To execute offline cement jobs safely, the following precautions and equipment are detailed below:
- During the drilling of the 9 7/8" and 10 5/8" hole sections (all TD'd above the WCA top), hole conditions will be monitored and addressed to ensure for a successful casing run. In the event hole conditions change after running casing and/or the well is not in a static state, Civitas Resources can elect to pump the cement job online.
 - Equipment for the offline cement job will include a tested/charted 5M working pressure dual manifold cement head system will be used with a standard offline cement tool that is packed off and tested through a port between the upper valve and packoff assembly (diagram below). Returns from the manifold will be taken to an auxiliary mud-gas separator during cement job. The operational scope is described in the following steps: the casing will be landed on the mandrel, pull tested, packoff installed and tested to 80% of collapse of casing on the top and bottom seals, nipple down BOP and install offline cement tool/manifold. The offline cement tool screws into the top of the packoff assembly. During the cement job, all returns will be taken through the A-Section valve (flanged).





3. **BOPE Testing Procedure for Batch Drilling:** Civitas Resources requests a variance to adjust the BOPE testing procedure to accommodate batch drilling. Details of the request are below:
- In lieu of a full BOP test during batch intermediate drilling operations, Civitas Resources requests to "Break-Test" or only test BOP connection breaks that are separated during skids between intermediate casing strings set above 5M BOPE thresholds/Wolfcamp A top. Industry standards are adhered to in terms of timing of breaks as noted in API Standard 53 which will include test charts during each skid for the following: Top Pipe Rams or VBRs, HCR, Downstream Kill Line, QDC Adapter – wellhead quick connect, and the body/shell of the BOP stack to 5M for 10 minutes.
 - Depending on the length and position of the next batch drilled intermediate hole section, the flex hose that connects to the choke manifold might have to be broken out, at which point the break will also be tested. This is not expected with Civitas Resources' rig fleet but could occur.
 - All "Break Test" BOPE operations will follow a 14-day limit, such that, Civitas Resources can have a 7-day buffer to execute a full test as per Onshore Order 43 CFR 3172 (21-day limit).
 - After completion of batch drilling operations for all intermediate hole sections above the WCA, the BOP tests will follow Onshore Order 43 CFR 3172
 - In the event any part of the BOPE equipment is changed or fails a test, a full test BOPE test will be performed. If the "Break Test" is not performed during the proper timing interval, a full BOPE test will take place.
 - The BLM will be contacted in the event a well control event is encountered.
 - During all "Break Test" or full BOPE tests, the BLM will be notified 4 hours before the test.
 - Before drilling out intermediate shoes and commencing production hole drilling, a full BOP test will be performed for all targets requiring a 10M BOPE pressure test; this test will override a previous 14 day "Break Test" interval.
4. **Centralizer Variance:** Due to the design of the intermediate casing strings on the Third Bone Spring Sand, WCA, and WCB intervals on the Junior Mint development (11 3/4" x 7 5/8" x 5 1/2" casing design), a variance to waive the centralizers is requested due to the tight clearance between 6 3/4" hole and 5 1/2" casing and the risk of not getting casing to bottom.



- Junior Mint Fed 131, 3BSS Target

Estimated Tops:

Formation	TVD	MD	Lithologies	Bearing
Quaternary Deposits	0	0	Surface	None
Rustler	660	600	Salt	Salt
Top Salt	1,100	1,100	Salt	Salt
Base Salt	4,920	5,019	Salt	Salt
DMG	5,160	5,259	Sandstone	None
Lamar	5,165	5,264	Sandstone	Hydrocarbons
Bell Canyon	5,185	5,284	Sandstone	Hydrocarbons
Ramsey Sand	5,205	5,304	Sandstone	Hydrocarbons
Cherry Canyon	6,150	6,249	Limestone	Hydrocarbons
Brushy Canyon	7,620	7,719	Sandstone	Hydrocarbons
Bone Spring Lime	8,930	9,029	Carbonate	Hydrocarbons
Upper Avalon	8,955	9,054	Carbonate	Hydrocarbons
Middle Avalon	9,185	9,284	Carbonate	Hydrocarbons
1st BS Sand	10,165	10,264	Sandstone	Hydrocarbons
2nd BS Carb	10,330	10,429	Carbonate	Hydrocarbons
2nd BS Sand	10,715	10,814	Sandstone	Hydrocarbons
3rd BS Carb	11,265	11,364	Carbonate	Hydrocarbons
3rd BS Sand	11,895	11,994	Sandstone	Hydrocarbons
KOP	11554	11653	Carbonate	Hydrocarbons
TD	12213	22485	Carbonate	Hydrocarbons

Casing Design:

Section	Drilled Interval			Casing Size	Standard	Tapered	Casing Set Depths				Casing Details					
	Hole Size	Top	Btm				Top MD	Bottom MD	Top TVD	BTM TVD	Grade	Weight	Thread	Collapse	Burst	Tension
Surface	14 3/4	0	1,075	11 3/4	API	No	0	1,075	0	1,075	J-55	47	BTC	1.13	1.15	1.6
1st Intermediate	9 7/8	1,075	11,553	7 5/8	API	No	0	11,553	0	11,354	P-110	29.7	BTC	1.13	1.15	1.6
Production	6 3/4	11,553	11,653	5 1/2	NON API	No	0	11,653	0	11,554	P110RYS	23	Talon	1.13	1.15	1.6
	6 3/4	11,653	22,485	5 1/2	NON API	No	11,653	22,485	11,554	12,213	P110RY	23	Talon	1.13	1.15	1.6

Cement Volumes:

Name	Type	Top MD	Sacks	Yield	Cu. Ft	Weight	Excess	Cement	Additives
Surface	Lead	0	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	1035	4.29	4440	10.5	200%	C	Contingency Bradenhead Squeeze, LCM Lead
	Tail	10553	129	1.67	215	13.2	100%	C	Additives + LCM
Production	Tail	11053	924	1.24	1146	13.2	20%	H	Fluid Loss + Dispersant + Retarder + LCM

Mud Program:

Name	Top	Bottom	Type	Mud Weight	Visc	Fluid Loss
Surface	0	1,075	FW Spud Mud	8.40	28	NC
1st Intermediate	1,075	11,553	DBE	9.20	27-30	NC
Production	11,553	22,485	OBM	12.50	55-65	<16



U. S. Steel Tubular Products

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

2/25/2025 2:43:45 PM

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

UNCONTROLLED

Notes

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

Legal Notice

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U. S. Steel Tubular Products

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

2/25/2025 2:25:12 PM

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

UNCONTROLLED

Notes

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

Legal Notice

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CIVITAS RESOURCES
DELAWARE BASIN

CACTUS WELLHEAD LLC

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

DRAWN	VJK	13FEB2
APPRV		
DRAWING NO. REF: HBE0001444		

Project: Lea County, NM (NAD 83)
 Site: Junior Mint Fed Pad
 Well: Junior Mint Fed 131H
 Wellbore: OH
 Design: Plan 1
 Rig: 26' KB



Azimuths to Grid North
 True North: -0.52°
 Magnetic North: 5.55°
 Magnetic Field
 Strength: 47068.1nT
 Dip Angle: 59.57°
 Date: 7/15/2025
 Model: HDGM2025

Total Magnetic Correction: 5.55°

PROJECT DETAILS: Lea County, NM (NAD 83)

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

Reference Datum: GE 3221 + 26 @ 3247.00usft (26' KB)

SHL

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

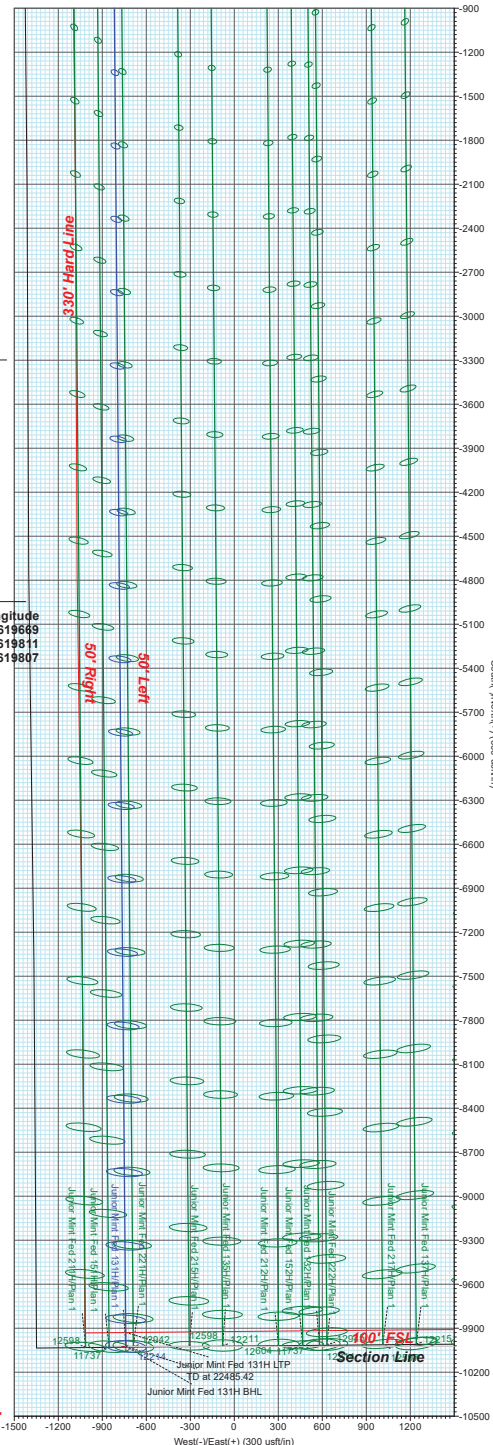
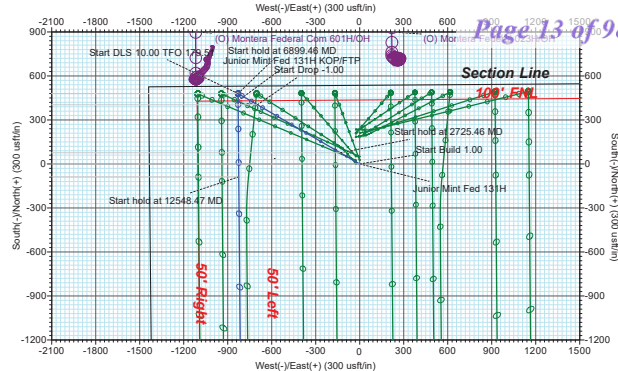
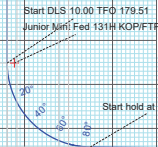
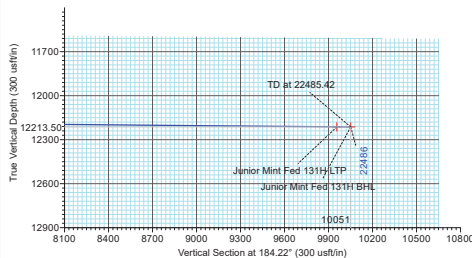
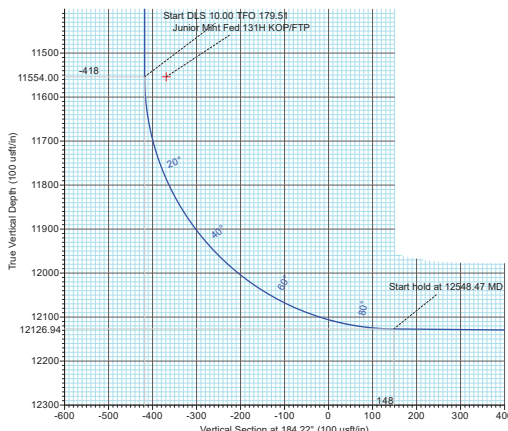
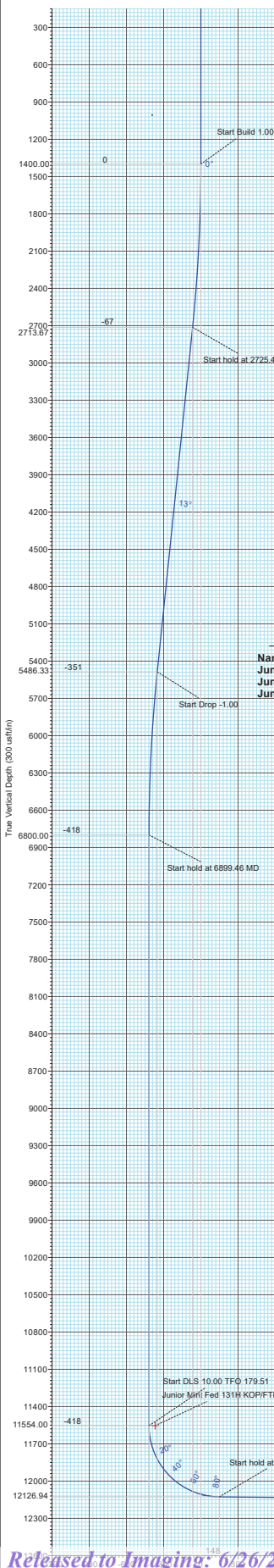
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	414635.00	842835.00	32.1361627	-103.3593016	

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	
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	0.00	
2725.46	13.25	300.07	2713.67	76.47	-132.09	1.00	300.07	-66.54	
5574.00	13.25	300.07	5486.33	403.58	-697.33	0.00	0.00	-351.27	
6899.46	0.00	0.00	6800.00	480.15	-829.42	1.00	180.00	-417.81	
11653.46	0.00	0.00	11554.00	480.15	-829.42	0.00	0.00	-417.81	
12548.47	89.50	179.51	12126.94	-87.80	-824.53	10.00	179.51	148.23	
22485.42	89.50	179.51	12213.50	-10024.00	-739.00	0.00	0.00	10051.20	

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Junior Mint Fed 131H KOP/FTP	11554.00	431.00	-829.00	415066.00	842006.00	32.1373679	-103.3619689
Junior Mint Fed 131H LTP	12213.00	-9929.00	-740.00	404706.00	842095.00	32.1088907	-103.3619811
Junior Mint Fed 131H BHL	12213.50	-10024.00	-739.00	404611.00	842096.00	32.1086296	-103.3619807



Do Not Cross SL

Civitas Resources

Lea County, NM (NAD 83)

Junior Mint Fed Pad

Junior Mint Fed 131H

OH

Plan: Plan 1



Standard Plan Report

24 March, 2025

Total Report Version 1.70

COMPASS 5000.16 Build 97

Planned Survey Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Well:	Junior Mint Fed 131H	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 131H					
Well Position	+N/-S	0.00 usft	Northing:	414,635.00 usft	Latitude:	32.1361627
	+E/-W	0.00 usft	Easting:	842,835.00 usft	Longitude:	-103.3593016
Position Uncertainty		0.50 usft	Wellhead Elevation:	usft	Ground Level:	3,221.00 usft
Grid Convergence:		0.52 °				

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2025	7/15/2025	6.07	59.57	47,068.10000000

Design	Plan 1				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:		0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	184.22	

Survey Tool Program	Date	3/24/2025			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	22,485.42	Plan 1 (OH)	MWD+HRGM+SAG+FDIF	OWSG MWD + HRGM + SAG + FDIR Correction	

Plan Summary

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,725.46	13.25	300.07	2,713.67	76.47	-132.09	1.00	1.00	0.00	300.07	
5,574.00	13.25	300.07	5,486.33	403.68	-697.33	0.00	0.00	0.00	0.00	
6,899.47	0.00	0.00	6,800.00	480.15	-829.42	1.00	-1.00	0.00	180.00	
11,653.47	0.00	0.00	11,554.00	480.15	-829.42	0.00	0.00	0.00	0.00	
12,548.47	89.50	179.51	12,126.94	-87.80	-824.53	10.00	10.00	20.06	179.51	
22,485.42	89.50	179.51	12,213.50	-10,024.00	-739.00	0.00	0.00	0.00	0.00	

Planned Survey Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Well:	Junior Mint Fed 131H	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)
0.00	0.00	0.00	0.00	0.00	0.00	414,635.00	842,835.00	32.1361627	-103.3593016	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	414,635.00	842,835.00	32.1361627	-103.3593016	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	414,635.00	842,835.00	32.1361627	-103.3593016	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	414,635.00	842,835.00	32.1361627	-103.3593016	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	414,635.00	842,835.00	32.1361627	-103.3593016	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	414,635.00	842,835.00	32.1361627	-103.3593016	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	414,635.00	842,835.00	32.1361627	-103.3593016	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	414,635.00	842,835.00	32.1361627	-103.3593016	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	414,635.00	842,835.00	32.1361627	-103.3593016	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	414,635.00	842,835.00	32.1361627	-103.3593016	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	414,635.00	842,835.00	32.1361627	-103.3593016	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	414,635.00	842,835.00	32.1361627	-103.3593016	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	414,635.00	842,835.00	32.1361627	-103.3593016	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	414,635.00	842,835.00	32.1361627	-103.3593016	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	414,635.00	842,835.00	32.1361627	-103.3593016	0.00	0.00	0.00	0.00
1,500.00	1.00	300.07	1,499.99	0.44	-0.76	414,635.44	842,834.24	32.1361640	-103.3593040	-0.38	1.00	1.00	0.00
1,600.00	2.00	300.07	1,599.96	1.75	-3.02	414,636.75	842,831.98	32.1361676	-103.3593113	-1.52	1.00	1.00	0.00
1,700.00	3.00	300.07	1,699.86	3.93	-6.80	414,638.93	842,828.20	32.1361737	-103.3593234	-3.42	1.00	1.00	0.00
1,800.00	4.00	300.07	1,799.68	6.99	-12.08	414,641.99	842,822.92	32.1361823	-103.3593404	-6.08	1.00	1.00	0.00
1,900.00	5.00	300.07	1,899.37	10.92	-18.87	414,645.92	842,816.13	32.1361932	-103.3593622	-9.51	1.00	1.00	0.00
2,000.00	6.00	300.07	1,998.90	15.73	-27.16	414,650.73	842,807.84	32.1362066	-103.3593889	-13.68	1.00	1.00	0.00
2,100.00	7.00	300.07	2,098.26	21.40	-36.96	414,656.40	842,798.04	32.1362225	-103.3594204	-18.62	1.00	1.00	0.00
2,200.00	8.00	300.07	2,197.40	27.94	-48.26	414,662.94	842,786.74	32.1362407	-103.3594567	-24.31	1.00	1.00	0.00
2,300.00	9.00	300.07	2,296.30	35.34	-61.05	414,670.34	842,773.95	32.1362614	-103.3594978	-30.75	1.00	1.00	0.00
2,400.00	10.00	300.07	2,394.93	43.61	-75.33	414,678.61	842,759.67	32.1362845	-103.3595437	-37.95	1.00	1.00	0.00
2,500.00	11.00	300.07	2,493.26	52.74	-91.10	414,687.74	842,743.90	32.1363100	-103.3595943	-45.89	1.00	1.00	0.00
2,600.00	12.00	300.07	2,591.25	62.73	-108.36	414,697.73	842,726.64	32.1363379	-103.3596498	-54.58	1.00	1.00	0.00
2,700.00	13.00	300.07	2,688.87	73.57	-127.09	414,708.57	842,707.91	32.1363681	-103.3597100	-64.02	1.00	1.00	0.00
2,725.46	13.25	300.07	2,713.67	76.47	-132.09	414,711.47	842,702.91	32.1363762	-103.3597261	-66.54	1.00	1.00	0.00
2,800.00	13.25	300.07	2,786.22	85.03	-146.88	414,720.03	842,688.12	32.1364001	-103.3597736	-73.99	0.00	0.00	0.00
2,900.00	13.25	300.07	2,883.56	96.52	-166.73	414,731.52	842,668.27	32.1364322	-103.3598373	-83.99	0.00	0.00	0.00
3,000.00	13.25	300.07	2,980.90	108.01	-186.57	414,743.01	842,648.43	32.1364642	-103.3599011	-93.98	0.00	0.00	0.00
3,100.00	13.25	300.07	3,078.23	119.49	-206.41	414,754.49	842,628.59	32.1364963	-103.3599649	-103.98	0.00	0.00	0.00
3,200.00	13.25	300.07	3,175.57	130.98	-226.26	414,765.98	842,608.74	32.1365284	-103.3600286	-113.97	0.00	0.00	0.00
3,300.00	13.25	300.07	3,272.90	142.47	-246.10	414,777.47	842,588.90	32.1365604	-103.3600924	-123.97	0.00	0.00	0.00
3,400.00	13.25	300.07	3,370.24	153.95	-265.94	414,788.95	842,569.06	32.1365925	-103.3601562	-133.97	0.00	0.00	0.00
3,500.00	13.25	300.07	3,467.58	165.44	-285.78	414,800.44	842,549.22	32.1366246	-103.3602199	-143.96	0.00	0.00	0.00

Planned Survey Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Well:	Junior Mint Fed 131H	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)
3,600.00	13.25	300.07	3,564.91	176.93	-305.63	414,811.93	842,529.37	32.1366566	-103.3602837	-153.96	0.00	0.00	0.00
3,700.00	13.25	300.07	3,662.25	188.41	-325.47	414,823.41	842,509.53	32.1366887	-103.3603474	-163.95	0.00	0.00	0.00
3,800.00	13.25	300.07	3,759.58	199.90	-345.31	414,834.90	842,489.69	32.1367208	-103.3604112	-173.95	0.00	0.00	0.00
3,900.00	13.25	300.07	3,856.92	211.39	-365.16	414,846.39	842,469.84	32.1367528	-103.3604750	-183.94	0.00	0.00	0.00
4,000.00	13.25	300.07	3,954.26	222.88	-385.00	414,857.88	842,450.00	32.1367849	-103.3605387	-193.94	0.00	0.00	0.00
4,100.00	13.25	300.07	4,051.59	234.36	-404.84	414,869.36	842,430.16	32.1368170	-103.3606025	-203.94	0.00	0.00	0.00
4,200.00	13.25	300.07	4,148.93	245.85	-424.68	414,880.85	842,410.32	32.1368490	-103.3606663	-213.93	0.00	0.00	0.00
4,300.00	13.25	300.07	4,246.26	257.34	-444.53	414,892.34	842,390.47	32.1368811	-103.3607300	-223.93	0.00	0.00	0.00
4,400.00	13.25	300.07	4,343.60	268.82	-464.37	414,903.82	842,370.63	32.1369132	-103.3607938	-233.92	0.00	0.00	0.00
4,500.00	13.25	300.07	4,440.94	280.31	-484.21	414,915.31	842,350.79	32.1369452	-103.3608575	-243.92	0.00	0.00	0.00
4,600.00	13.25	300.07	4,538.27	291.80	-504.06	414,926.80	842,330.94	32.1369773	-103.3609213	-253.91	0.00	0.00	0.00
4,700.00	13.25	300.07	4,635.61	303.28	-523.90	414,938.28	842,311.10	32.1370093	-103.3609851	-263.91	0.00	0.00	0.00
4,800.00	13.25	300.07	4,732.95	314.77	-543.74	414,949.77	842,291.26	32.1370414	-103.3610488	-273.91	0.00	0.00	0.00
4,900.00	13.25	300.07	4,830.28	326.26	-563.58	414,961.26	842,271.42	32.1370735	-103.3611126	-283.90	0.00	0.00	0.00
5,000.00	13.25	300.07	4,927.62	337.75	-583.43	414,972.75	842,251.57	32.1371055	-103.3611764	-293.90	0.00	0.00	0.00
5,100.00	13.25	300.07	5,024.95	349.23	-603.27	414,984.23	842,231.73	32.1371376	-103.3612401	-303.89	0.00	0.00	0.00
5,200.00	13.25	300.07	5,122.29	360.72	-623.11	414,995.72	842,211.89	32.1371697	-103.3613039	-313.89	0.00	0.00	0.00
5,300.00	13.25	300.07	5,219.63	372.21	-642.96	415,007.21	842,192.04	32.1372017	-103.3613677	-323.88	0.00	0.00	0.00
5,400.00	13.25	300.07	5,316.96	383.69	-662.80	415,018.69	842,172.20	32.1372338	-103.3614314	-333.88	0.00	0.00	0.00
5,500.00	13.25	300.07	5,414.30	395.18	-682.64	415,030.18	842,152.36	32.1372659	-103.3614952	-343.88	0.00	0.00	0.00
5,574.00	13.25	300.07	5,486.33	403.68	-697.33	415,038.68	842,137.67	32.1372896	-103.3615424	-351.27	0.00	0.00	0.00
5,600.00	12.99	300.07	5,511.65	406.64	-702.43	415,041.64	842,132.57	32.1372979	-103.3615588	-353.85	1.00	-1.00	0.00
5,700.00	11.99	300.07	5,609.28	417.48	-721.16	415,052.48	842,113.84	32.1373281	-103.3616189	-363.28	1.00	-1.00	0.00
5,800.00	10.99	300.07	5,707.27	427.46	-738.40	415,062.46	842,096.60	32.1373560	-103.3616744	-371.97	1.00	-1.00	0.00
5,900.00	9.99	300.07	5,805.60	436.59	-754.17	415,071.59	842,080.83	32.1373814	-103.3617250	-379.91	1.00	-1.00	0.00
6,000.00	8.99	300.07	5,904.23	444.85	-768.44	415,079.85	842,066.56	32.1374045	-103.3617709	-387.10	1.00	-1.00	0.00
6,100.00	7.99	300.07	6,003.13	452.25	-781.23	415,087.25	842,053.77	32.1374252	-103.3618120	-393.54	1.00	-1.00	0.00
6,200.00	6.99	300.07	6,102.27	458.79	-792.52	415,093.79	842,042.48	32.1374434	-103.3618482	-399.22	1.00	-1.00	0.00
6,300.00	5.99	300.07	6,201.63	464.45	-802.30	415,099.45	842,032.70	32.1374592	-103.3618797	-404.16	1.00	-1.00	0.00
6,400.00	4.99	300.07	6,301.17	469.25	-810.59	415,104.25	842,024.41	32.1374726	-103.3619063	-408.33	1.00	-1.00	0.00
6,500.00	3.99	300.07	6,400.86	473.18	-817.37	415,108.18	842,017.63	32.1374836	-103.3619281	-411.75	1.00	-1.00	0.00
6,600.00	2.99	300.07	6,500.67	476.23	-822.65	415,111.23	842,012.35	32.1374921	-103.3619451	-414.40	1.00	-1.00	0.00
6,700.00	1.99	300.07	6,600.58	478.41	-826.42	415,113.41	842,008.58	32.1374982	-103.3619572	-416.30	1.00	-1.00	0.00
6,800.00	0.99	300.07	6,700.54	479.72	-828.67	415,114.72	842,006.33	32.1375018	-103.3619644	-417.44	1.00	-1.00	0.00
6,899.47	0.00	0.00	6,800.00	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	1.00	-1.00	0.00
7,000.00	0.00	0.00	6,900.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
7,100.00	0.00	0.00	7,000.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
7,200.00	0.00	0.00	7,100.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00

Planned Survey Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Well:	Junior Mint Fed 131H	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)
7,300.00	0.00	0.00	7,200.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
7,400.00	0.00	0.00	7,300.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
7,500.00	0.00	0.00	7,400.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
7,600.00	0.00	0.00	7,500.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
7,700.00	0.00	0.00	7,600.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
7,800.00	0.00	0.00	7,700.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
7,900.00	0.00	0.00	7,800.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
8,000.00	0.00	0.00	7,900.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
8,100.00	0.00	0.00	8,000.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
8,200.00	0.00	0.00	8,100.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
8,300.00	0.00	0.00	8,200.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
8,400.00	0.00	0.00	8,300.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
8,500.00	0.00	0.00	8,400.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
8,600.00	0.00	0.00	8,500.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
8,700.00	0.00	0.00	8,600.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
8,800.00	0.00	0.00	8,700.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
8,900.00	0.00	0.00	8,800.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
9,000.00	0.00	0.00	8,900.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
9,100.00	0.00	0.00	9,000.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
9,200.00	0.00	0.00	9,100.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
9,300.00	0.00	0.00	9,200.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
9,400.00	0.00	0.00	9,300.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
9,500.00	0.00	0.00	9,400.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
9,600.00	0.00	0.00	9,500.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
9,700.00	0.00	0.00	9,600.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
9,800.00	0.00	0.00	9,700.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
9,900.00	0.00	0.00	9,800.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
10,000.00	0.00	0.00	9,900.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
10,100.00	0.00	0.00	10,000.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
10,200.00	0.00	0.00	10,100.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
10,300.00	0.00	0.00	10,200.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
10,400.00	0.00	0.00	10,300.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
10,500.00	0.00	0.00	10,400.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
10,600.00	0.00	0.00	10,500.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
10,700.00	0.00	0.00	10,600.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
10,800.00	0.00	0.00	10,700.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
10,900.00	0.00	0.00	10,800.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00

Planned Survey Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Well:	Junior Mint Fed 131H	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)
11,000.00	0.00	0.00	10,900.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
11,100.00	0.00	0.00	11,000.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
11,200.00	0.00	0.00	11,100.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
11,300.00	0.00	0.00	11,200.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
11,400.00	0.00	0.00	11,300.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
11,500.00	0.00	0.00	11,400.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
11,600.00	0.00	0.00	11,500.54	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
11,653.47	0.00	0.00	11,554.00	480.15	-829.42	415,115.15	842,005.58	32.1375031	-103.3619668	-417.81	0.00	0.00	0.00
11,700.00	4.65	179.51	11,600.48	478.26	-829.40	415,113.26	842,005.60	32.1374979	-103.3619668	-415.93	10.00	10.00	0.00
11,750.00	9.65	179.51	11,650.08	472.04	-829.35	415,107.04	842,005.65	32.1374807	-103.3619668	-409.73	10.00	10.00	0.00
11,800.00	14.65	179.51	11,698.94	461.51	-829.26	415,096.51	842,005.74	32.1374518	-103.3619669	-399.24	10.00	10.00	0.00
11,850.00	19.65	179.51	11,746.70	446.77	-829.13	415,081.77	842,005.87	32.1374113	-103.3619669	-384.55	10.00	10.00	0.00
11,900.00	24.65	179.51	11,793.00	427.93	-828.97	415,062.93	842,006.03	32.1373595	-103.3619669	-365.76	10.00	10.00	0.00
11,950.00	29.65	179.51	11,837.47	405.11	-828.77	415,040.11	842,006.23	32.1372968	-103.3619669	-343.03	10.00	10.00	0.00
12,000.00	34.65	179.51	11,879.79	378.51	-828.55	415,013.51	842,006.45	32.1372237	-103.3619670	-316.52	10.00	10.00	0.00
12,050.00	39.65	179.51	11,919.63	348.33	-828.29	414,983.33	842,006.71	32.1371407	-103.3619670	-286.43	10.00	10.00	0.00
12,100.00	44.65	179.51	11,956.69	314.78	-828.00	414,949.78	842,007.00	32.1370485	-103.3619671	-253.00	10.00	10.00	0.00
12,150.00	49.65	179.51	11,990.68	278.14	-827.68	414,913.14	842,007.32	32.1369478	-103.3619671	-216.48	10.00	10.00	0.00
12,200.00	54.65	179.51	12,021.34	238.67	-827.34	414,873.67	842,007.66	32.1368393	-103.3619672	-177.14	10.00	10.00	0.00
12,250.00	59.65	179.51	12,048.45	196.68	-826.98	414,831.68	842,008.02	32.1367239	-103.3619672	-135.29	10.00	10.00	0.00
12,300.00	64.65	179.51	12,071.80	152.48	-826.60	414,787.48	842,008.40	32.1366024	-103.3619673	-91.24	10.00	10.00	0.00
12,350.00	69.65	179.51	12,091.21	106.42	-826.20	414,741.42	842,008.80	32.1364758	-103.3619673	-45.34	10.00	10.00	0.00
12,400.00	74.65	179.51	12,106.53	58.84	-825.79	414,693.84	842,009.21	32.1363450	-103.3619674	2.08	10.00	10.00	0.00
12,450.00	79.65	179.51	12,117.64	10.11	-825.37	414,645.11	842,009.63	32.1362110	-103.3619675	50.65	10.00	10.00	0.00
12,500.00	84.65	179.51	12,124.47	-39.40	-824.95	414,595.60	842,010.05	32.1360749	-103.3619675	100.00	10.00	10.00	0.00
12,548.47	89.50	179.51	12,126.94	-87.80	-824.53	414,547.20	842,010.47	32.1359419	-103.3619676	148.23	10.00	10.00	0.00
12,600.00	89.50	179.51	12,127.39	-139.32	-824.09	414,495.68	842,010.91	32.1358003	-103.3619677	199.58	0.00	0.00	0.00
12,700.00	89.50	179.51	12,128.26	-239.31	-823.23	414,395.69	842,011.77	32.1355254	-103.3619678	299.24	0.00	0.00	0.00
12,800.00	89.50	179.51	12,129.13	-339.30	-822.37	414,295.70	842,012.63	32.1352506	-103.3619679	398.90	0.00	0.00	0.00
12,900.00	89.50	179.51	12,130.00	-439.30	-821.51	414,195.70	842,013.49	32.1349757	-103.3619681	498.56	0.00	0.00	0.00
13,000.00	89.50	179.51	12,130.87	-539.29	-820.64	414,095.71	842,014.36	32.1347009	-103.3619682	598.21	0.00	0.00	0.00
13,100.00	89.50	179.51	12,131.74	-639.28	-819.78	413,995.72	842,015.22	32.1344260	-103.3619683	697.87	0.00	0.00	0.00
13,200.00	89.50	179.51	12,132.61	-739.27	-818.92	413,895.73	842,016.08	32.1341511	-103.3619685	797.53	0.00	0.00	0.00
13,300.00	89.50	179.51	12,133.48	-839.27	-818.06	413,795.73	842,016.94	32.1338763	-103.3619686	897.19	0.00	0.00	0.00
13,400.00	89.50	179.51	12,134.35	-939.26	-817.20	413,695.74	842,017.80	32.1336014	-103.3619687	996.85	0.00	0.00	0.00
13,500.00	89.50	179.51	12,135.23	-1,039.25	-816.34	413,595.75	842,018.66	32.1333266	-103.3619689	1,096.50	0.00	0.00	0.00
13,600.00	89.50	179.51	12,136.10	-1,139.24	-815.48	413,495.76	842,019.52	32.1330517	-103.3619690	1,196.16	0.00	0.00	0.00
13,700.00	89.50	179.51	12,136.97	-1,239.24	-814.62	413,395.76	842,020.38	32.1327769	-103.3619691	1,295.82	0.00	0.00	0.00

Planned Survey Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Well:	Junior Mint Fed 131H	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)
13,800.00	89.50	179.51	12,137.84	-1,339.23	-813.76	413,295.77	842,021.24	32.1325020	-103.3619693	1,395.48	0.00	0.00	0.00
13,900.00	89.50	179.51	12,138.71	-1,439.22	-812.90	413,195.78	842,022.10	32.1322272	-103.3619694	1,495.14	0.00	0.00	0.00
14,000.00	89.50	179.51	12,139.58	-1,539.21	-812.04	413,095.79	842,022.96	32.1319523	-103.3619695	1,594.79	0.00	0.00	0.00
14,100.00	89.50	179.51	12,140.45	-1,639.21	-811.18	412,995.79	842,023.82	32.1316774	-103.3619696	1,694.45	0.00	0.00	0.00
14,200.00	89.50	179.51	12,141.32	-1,739.20	-810.32	412,895.80	842,024.68	32.1314026	-103.3619698	1,794.11	0.00	0.00	0.00
14,300.00	89.50	179.51	12,142.19	-1,839.19	-809.46	412,795.81	842,025.54	32.1311277	-103.3619699	1,893.77	0.00	0.00	0.00
14,400.00	89.50	179.51	12,143.07	-1,939.18	-808.59	412,695.82	842,026.41	32.1308529	-103.3619700	1,993.43	0.00	0.00	0.00
14,500.00	89.50	179.51	12,143.94	-2,039.18	-807.73	412,595.82	842,027.27	32.1305780	-103.3619702	2,093.09	0.00	0.00	0.00
14,600.00	89.50	179.51	12,144.81	-2,139.17	-806.87	412,495.83	842,028.13	32.1303032	-103.3619703	2,192.74	0.00	0.00	0.00
14,700.00	89.50	179.51	12,145.68	-2,239.16	-806.01	412,395.84	842,028.99	32.1300283	-103.3619704	2,292.40	0.00	0.00	0.00
14,800.00	89.50	179.51	12,146.55	-2,339.15	-805.15	412,295.85	842,029.85	32.1297535	-103.3619706	2,392.06	0.00	0.00	0.00
14,900.00	89.50	179.51	12,147.42	-2,439.15	-804.29	412,195.85	842,030.71	32.1294786	-103.3619707	2,491.72	0.00	0.00	0.00
15,000.00	89.50	179.51	12,148.29	-2,539.14	-803.43	412,095.86	842,031.57	32.1292037	-103.3619708	2,591.38	0.00	0.00	0.00
15,100.00	89.50	179.51	12,149.16	-2,639.13	-802.57	411,995.87	842,032.43	32.1289289	-103.3619710	2,691.03	0.00	0.00	0.00
15,200.00	89.50	179.51	12,150.03	-2,739.12	-801.71	411,895.88	842,033.29	32.1286540	-103.3619711	2,790.69	0.00	0.00	0.00
15,300.00	89.50	179.51	12,150.91	-2,839.12	-800.85	411,795.88	842,034.15	32.1283792	-103.3619712	2,890.35	0.00	0.00	0.00
15,400.00	89.50	179.51	12,151.78	-2,939.11	-799.99	411,695.89	842,035.01	32.1281043	-103.3619714	2,990.01	0.00	0.00	0.00
15,500.00	89.50	179.51	12,152.65	-3,039.10	-799.13	411,595.90	842,035.87	32.1278295	-103.3619715	3,089.67	0.00	0.00	0.00
15,600.00	89.50	179.51	12,153.52	-3,139.09	-798.27	411,495.91	842,036.73	32.1275546	-103.3619716	3,189.32	0.00	0.00	0.00
15,700.00	89.50	179.51	12,154.39	-3,239.09	-797.40	411,395.91	842,037.60	32.1272797	-103.3619718	3,288.98	0.00	0.00	0.00
15,800.00	89.50	179.51	12,155.26	-3,339.08	-796.54	411,295.92	842,038.46	32.1270049	-103.3619719	3,388.64	0.00	0.00	0.00
15,900.00	89.50	179.51	12,156.13	-3,439.07	-795.68	411,195.93	842,039.32	32.1267300	-103.3619720	3,488.30	0.00	0.00	0.00
16,000.00	89.50	179.51	12,157.00	-3,539.06	-794.82	411,095.94	842,040.18	32.1264552	-103.3619722	3,587.96	0.00	0.00	0.00
16,100.00	89.50	179.51	12,157.87	-3,639.06	-793.96	410,995.94	842,041.04	32.1261803	-103.3619723	3,687.61	0.00	0.00	0.00
16,200.00	89.50	179.51	12,158.75	-3,739.05	-793.10	410,895.95	842,041.90	32.1259055	-103.3619724	3,787.27	0.00	0.00	0.00
16,300.00	89.50	179.51	12,159.62	-3,839.04	-792.24	410,795.96	842,042.76	32.1256306	-103.3619726	3,886.93	0.00	0.00	0.00
16,400.00	89.50	179.51	12,160.49	-3,939.03	-791.38	410,695.97	842,043.62	32.1253558	-103.3619727	3,986.59	0.00	0.00	0.00
16,500.00	89.50	179.51	12,161.36	-4,039.03	-790.52	410,595.97	842,044.48	32.1250809	-103.3619728	4,086.25	0.00	0.00	0.00
16,600.00	89.50	179.51	12,162.23	-4,139.02	-789.66	410,495.98	842,045.34	32.1248060	-103.3619730	4,185.90	0.00	0.00	0.00
16,700.00	89.50	179.51	12,163.10	-4,239.01	-788.80	410,395.99	842,046.20	32.1245312	-103.3619731	4,285.56	0.00	0.00	0.00
16,800.00	89.50	179.51	12,163.97	-4,339.00	-787.94	410,296.00	842,047.06	32.1242563	-103.3619732	4,385.22	0.00	0.00	0.00
16,900.00	89.50	179.51	12,164.84	-4,439.00	-787.08	410,196.00	842,047.92	32.1239815	-103.3619733	4,484.88	0.00	0.00	0.00
17,000.00	89.50	179.51	12,165.71	-4,538.99	-786.22	410,096.01	842,048.78	32.1237066	-103.3619735	4,584.54	0.00	0.00	0.00
17,100.00	89.50	179.51	12,166.59	-4,638.98	-785.35	409,996.02	842,049.65	32.1234318	-103.3619736	4,684.20	0.00	0.00	0.00
17,200.00	89.50	179.51	12,167.46	-4,738.97	-784.49	409,896.03	842,050.51	32.1231569	-103.3619737	4,783.85	0.00	0.00	0.00
17,300.00	89.50	179.51	12,168.33	-4,838.97	-783.63	409,796.03	842,051.37	32.1228821	-103.3619739	4,883.51	0.00	0.00	0.00
17,400.00	89.50	179.51	12,169.20	-4,938.96	-782.77	409,696.04	842,052.23	32.1226072	-103.3619740	4,983.17	0.00	0.00	0.00

Planned Survey Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Well:	Junior Mint Fed 131H	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)
17,500.00	89.50	179.51	12,170.07	-5,038.95	-781.91	409,596.05	842,053.09	32.1223323	-103.3619741	5,082.83	0.00	0.00	0.00
17,600.00	89.50	179.51	12,170.94	-5,138.94	-781.05	409,496.06	842,053.95	32.1220575	-103.3619743	5,182.49	0.00	0.00	0.00
17,700.00	89.50	179.51	12,171.81	-5,238.94	-780.19	409,396.06	842,054.81	32.1217826	-103.3619744	5,282.14	0.00	0.00	0.00
17,800.00	89.50	179.51	12,172.68	-5,338.93	-779.33	409,296.07	842,055.67	32.1215078	-103.3619745	5,381.80	0.00	0.00	0.00
17,900.00	89.50	179.51	12,173.56	-5,438.92	-778.47	409,196.08	842,056.53	32.1212329	-103.3619747	5,481.46	0.00	0.00	0.00
18,000.00	89.50	179.51	12,174.43	-5,538.91	-777.61	409,096.09	842,057.39	32.1209581	-103.3619748	5,581.12	0.00	0.00	0.00
18,100.00	89.50	179.51	12,175.30	-5,638.91	-776.75	408,996.09	842,058.25	32.1206832	-103.3619749	5,680.78	0.00	0.00	0.00
18,200.00	89.50	179.51	12,176.17	-5,738.90	-775.89	408,896.10	842,059.11	32.1204083	-103.3619751	5,780.43	0.00	0.00	0.00
18,300.00	89.50	179.51	12,177.04	-5,838.89	-775.03	408,796.11	842,059.97	32.1201335	-103.3619752	5,880.09	0.00	0.00	0.00
18,400.00	89.50	179.51	12,177.91	-5,938.88	-774.16	408,696.12	842,060.84	32.1198586	-103.3619753	5,979.75	0.00	0.00	0.00
18,500.00	89.50	179.51	12,178.78	-6,038.88	-773.30	408,596.12	842,061.70	32.1195838	-103.3619755	6,079.41	0.00	0.00	0.00
18,600.00	89.50	179.51	12,179.65	-6,138.87	-772.44	408,496.13	842,062.56	32.1193089	-103.3619756	6,179.07	0.00	0.00	0.00
18,700.00	89.50	179.51	12,180.52	-6,238.86	-771.58	408,396.14	842,063.42	32.1190341	-103.3619757	6,278.72	0.00	0.00	0.00
18,800.00	89.50	179.51	12,181.40	-6,338.85	-770.72	408,296.15	842,064.28	32.1187592	-103.3619758	6,378.38	0.00	0.00	0.00
18,900.00	89.50	179.51	12,182.27	-6,438.85	-769.86	408,196.15	842,065.14	32.1184844	-103.3619760	6,478.04	0.00	0.00	0.00
19,000.00	89.50	179.51	12,183.14	-6,538.84	-769.00	408,096.16	842,066.00	32.1182095	-103.3619761	6,577.70	0.00	0.00	0.00
19,100.00	89.50	179.51	12,184.01	-6,638.83	-768.14	407,996.17	842,066.86	32.1179346	-103.3619762	6,677.36	0.00	0.00	0.00
19,200.00	89.50	179.51	12,184.88	-6,738.82	-767.28	407,896.18	842,067.72	32.1176598	-103.3619764	6,777.01	0.00	0.00	0.00
19,300.00	89.50	179.51	12,185.75	-6,838.82	-766.42	407,796.18	842,068.58	32.1173849	-103.3619765	6,876.67	0.00	0.00	0.00
19,400.00	89.50	179.51	12,186.62	-6,938.81	-765.56	407,696.19	842,069.44	32.1171101	-103.3619766	6,976.33	0.00	0.00	0.00
19,500.00	89.50	179.51	12,187.49	-7,038.80	-764.70	407,596.20	842,070.30	32.1168352	-103.3619768	7,075.99	0.00	0.00	0.00
19,600.00	89.50	179.51	12,188.36	-7,138.79	-763.84	407,496.21	842,071.16	32.1165604	-103.3619769	7,175.65	0.00	0.00	0.00
19,700.00	89.50	179.51	12,189.24	-7,238.79	-762.98	407,396.21	842,072.02	32.1162855	-103.3619770	7,275.30	0.00	0.00	0.00
19,800.00	89.50	179.51	12,190.11	-7,338.78	-762.11	407,296.22	842,072.89	32.1160106	-103.3619772	7,374.96	0.00	0.00	0.00
19,900.00	89.50	179.51	12,190.98	-7,438.77	-761.25	407,196.23	842,073.75	32.1157358	-103.3619773	7,474.62	0.00	0.00	0.00
20,000.00	89.50	179.51	12,191.85	-7,538.76	-760.39	407,096.24	842,074.61	32.1154609	-103.3619774	7,574.28	0.00	0.00	0.00
20,100.00	89.50	179.51	12,192.72	-7,638.76	-759.53	406,996.24	842,075.47	32.1151861	-103.3619775	7,673.94	0.00	0.00	0.00
20,200.00	89.50	179.51	12,193.59	-7,738.75	-758.67	406,896.25	842,076.33	32.1149112	-103.3619777	7,773.60	0.00	0.00	0.00
20,300.00	89.50	179.51	12,194.46	-7,838.74	-757.81	406,796.26	842,077.19	32.1146364	-103.3619778	7,873.25	0.00	0.00	0.00
20,400.00	89.50	179.51	12,195.33	-7,938.73	-756.95	406,696.27	842,078.05	32.1143615	-103.3619779	7,972.91	0.00	0.00	0.00
20,500.00	89.50	179.51	12,196.20	-8,038.73	-756.09	406,596.27	842,078.91	32.1140866	-103.3619781	8,072.57	0.00	0.00	0.00
20,600.00	89.50	179.51	12,197.08	-8,138.72	-755.23	406,496.28	842,079.77	32.1138118	-103.3619782	8,172.23	0.00	0.00	0.00
20,700.00	89.50	179.51	12,197.95	-8,238.71	-754.37	406,396.29	842,080.63	32.1135369	-103.3619783	8,271.89	0.00	0.00	0.00
20,800.00	89.50	179.51	12,198.82	-8,338.70	-753.51	406,296.30	842,081.49	32.1132621	-103.3619785	8,371.54	0.00	0.00	0.00
20,900.00	89.50	179.51	12,199.69	-8,438.70	-752.65	406,196.30	842,082.35	32.1129872	-103.3619786	8,471.20	0.00	0.00	0.00
21,000.00	89.50	179.51	12,200.56	-8,538.69	-751.79	406,096.31	842,083.21	32.1127124	-103.3619787	8,570.86	0.00	0.00	0.00
21,100.00	89.50	179.51	12,201.43	-8,638.68	-750.92	405,996.32	842,084.08	32.1124375	-103.3619789	8,670.52	0.00	0.00	0.00
21,200.00	89.50	179.51	12,202.30	-8,738.67	-750.06	405,896.33	842,084.94	32.1121627	-103.3619790	8,770.18	0.00	0.00	0.00

Planned Survey Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Well:	Junior Mint Fed 131H	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)
21,300.00	89.50	179.51	12,203.17	-8,838.67	-749.20	405,796.33	842,085.80	32.1118878	-103.3619791	8,869.83	0.00	0.00	0.00
21,400.00	89.50	179.51	12,204.04	-8,938.66	-748.34	405,696.34	842,086.66	32.1116129	-103.3619793	8,969.49	0.00	0.00	0.00
21,500.00	89.50	179.51	12,204.92	-9,038.65	-747.48	405,596.35	842,087.52	32.1113381	-103.3619794	9,069.15	0.00	0.00	0.00
21,600.00	89.50	179.51	12,205.79	-9,138.64	-746.62	405,496.36	842,088.38	32.1110632	-103.3619795	9,168.81	0.00	0.00	0.00
21,700.00	89.50	179.51	12,206.66	-9,238.64	-745.76	405,396.36	842,089.24	32.1107884	-103.3619796	9,268.47	0.00	0.00	0.00
21,800.00	89.50	179.51	12,207.53	-9,338.63	-744.90	405,296.37	842,090.10	32.1105135	-103.3619798	9,368.12	0.00	0.00	0.00
21,900.00	89.50	179.51	12,208.40	-9,438.62	-744.04	405,196.38	842,090.96	32.1102387	-103.3619799	9,467.78	0.00	0.00	0.00
22,000.00	89.50	179.51	12,209.27	-9,538.61	-743.18	405,096.39	842,091.82	32.1099638	-103.3619800	9,567.44	0.00	0.00	0.00
22,100.00	89.50	179.51	12,210.14	-9,638.61	-742.32	404,996.39	842,092.68	32.1096889	-103.3619802	9,667.10	0.00	0.00	0.00
22,200.00	89.50	179.51	12,211.01	-9,738.60	-741.46	404,896.40	842,093.54	32.1094141	-103.3619803	9,766.76	0.00	0.00	0.00
22,300.00	89.50	179.51	12,211.88	-9,838.59	-740.60	404,796.41	842,094.40	32.1091392	-103.3619804	9,866.41	0.00	0.00	0.00
22,400.00	89.50	179.51	12,212.76	-9,938.58	-739.74	404,696.42	842,095.26	32.1088644	-103.3619806	9,966.07	0.00	0.00	0.00
22,485.42	89.50	179.51	12,213.50	-10,024.00	-739.00	404,611.00	842,096.00	32.1086296	-103.3619807	10,051.20	0.00	0.00	0.00

Design Targets

Target Name

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Junior Mint Fed 131H - plan misses target center by 49.19usft at 11655.46usft MD (11556.00 TVD, 480.15 N, -829.42 E) - Point	0.00	0.00	11,554.00	431.00	-829.00	415,066.00	842,006.00	32.1373679	-103.3619669
Junior Mint Fed 131H - plan misses target center by 0.37usft at 22390.42usft MD (12212.67 TVD, -9929.00 N, -739.82 E) - Point	0.00	0.00	12,213.00	-9,929.00	-740.00	404,706.00	842,095.00	32.1088907	-103.3619811
Junior Mint Fed 131H - plan hits target center - Point	0.00	0.00	12,213.50	-10,024.00	-739.00	404,611.00	842,096.00	32.1086296	-103.3619807

Checked By: _____ Approved By: _____ Date: _____

Civitas Resources

Lea County, NM (NAD 83)
Junior Mint Fed Pad
Junior Mint Fed 131H

OH
Plan 1



Anticollision Report

Minimum Magnetic Interference Warning level is 50' center to center

24 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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	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 131H
Well Position	+N/-S 0.00 usft Northing: 414,635.00 usft Latitude: 32.1361627
	+E/-W 0.00 usft Easting: 842,835.00 usft Longitude: -103.3593016
Position Uncertainty	0.50 usft Wellhead Elevation: usft Ground Level: 3,221.00 usft
Grid Convergence:	0.52 °

Survey Tool Program		Date	3/24/2025	
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	22,485.42	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
(O) Montera Federal Com 601H -	3,226.90	3,253.00	415,439.30	841,823.90	32.1383985	-103.3625443	0.00	0.00
(O) Oxy Banana Girl Federal 002 -	3,235.00	3,235.00	417,140.52	843,368.17	32.1430360	-103.3575060	0.00	0.00
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 138H -	3,220.00	3,246.00	415,541.00	845,129.00	32.1385957	-103.3518648	0.00	0.50
Junior Mint Fed 151H -	3,221.00	3,247.00	414,685.00	842,835.00	32.1363002	-103.3593001	0.00	0.50
Junior Mint Fed 152H -	3,220.00	3,246.00	414,870.00	842,835.00	32.1368087	-103.3592947	0.00	0.50
Junior Mint Fed 156H -	3,223.00	3,249.00	415,701.00	845,129.00	32.1390354	-103.3518600	0.00	0.50
Junior Mint Fed 158H -	3,220.00	3,246.00	415,516.00	845,129.00	32.1385270	-103.3518655	0.00	0.50
Junior Mint Fed 211H -	3,221.00	3,247.00	414,660.00	842,810.00	32.1362321	-103.3593816	0.00	0.50
Junior Mint Fed 212H -	3,220.00	3,246.00	414,845.00	842,810.00	32.1367406	-103.3593762	0.00	0.50
Junior Mint Fed 213H -	3,222.00	3,248.00	415,701.00	845,154.00	32.1390348	-103.3517793	0.00	0.50
Junior Mint Fed 214H -	3,220.00	3,246.00	415,541.00	845,154.00	32.1385951	-103.3517840	0.00	0.50
Junior Mint Fed 215H -	3,220.00	3,246.00	414,685.00	842,810.00	32.1363008	-103.3593809	0.00	0.50
Junior Mint Fed 216H -	3,223.00	3,249.00	415,751.00	845,129.00	32.1391729	-103.3518586	0.00	0.50
Junior Mint Fed 217H -	3,221.00	3,247.00	414,870.00	842,810.00	32.1368093	-103.3593755	0.00	0.50
Junior Mint Fed 218H -	3,220.00	3,246.00	415,516.00	845,154.00	32.1385263	-103.3517847	0.00	0.50
Junior Mint Fed 221H -	3,221.00	3,247.00	414,635.00	842,810.00	32.1361634	-103.3593824	0.00	0.50
Junior Mint Fed 222H -	3,220.00	3,246.00	414,820.00	842,810.00	32.1366718	-103.3593769	0.00	0.50
Junior Mint Fed 223H -	3,223.00	3,249.00	415,751.00	845,154.00	32.1391723	-103.3517778	0.00	0.50
Junior Mint Fed 224H -	3,220.00	3,246.00	415,566.00	845,154.00	32.1386638	-103.3517833	0.00	0.50

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	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)	Between Ellipses (usft)	Separation Factor	Warning
Junior Mint Fed Pad						
(O) Montera Federal 023H - OH - OH	2,562.13	2,541.72	745.22	730.05	49.11	CC
(O) Montera Federal 023H - OH - OH	2,600.00	2,576.71	745.30	729.94	48.50	ES
(O) Montera Federal 023H - OH - OH	11,700.00	11,638.00	1,082.55	1,023.45	18.32	SF
(O) Montera Federal Com 601H - OH - OH	11,051.18	10,968.00	290.37	233.98	5.15	CC, ES
(O) Montera Federal Com 601H - OH - OH	11,100.00	11,011.28	290.83	234.25	5.14	SF
(O) Oxy Banana Girl Federal 002 - OH - OH						Out of range
Junior Mint Fed 132H - OH - Plan 1	800.00	799.00	185.00	178.20	27.21	CC, ES
Junior Mint Fed 132H - OH - Plan 1	22,485.80	22,428.60	1,320.05	1,040.39	4.72	SF
Junior Mint Fed 133H - OH - Plan 1	2,527.46	2,846.77	2,397.16	2,383.33	173.36	CC, ES
Junior Mint Fed 133H - OH - Plan 1	3,500.00	3,784.97	2,430.24	2,412.46	136.74	SF
Junior Mint Fed 134H - OH - Plan 1						Out of range
Junior Mint Fed 135H - OH - Plan 1	800.00	799.00	25.00	18.20	3.68	CC, ES
Junior Mint Fed 135H - OH - Plan 1	22,485.42	22,411.61	660.03	382.33	2.38	SF
Junior Mint Fed 137H - OH - Plan 1	300.00	299.00	210.00	206.04	53.06	CC
Junior Mint Fed 137H - OH - Plan 1	400.00	397.69	210.31	205.65	45.20	ES
Junior Mint Fed 137H - OH - Plan 1	22,485.80	22,512.90	1,980.09	1,699.61	7.06	SF
Junior Mint Fed 138H - OH - Plan 1						Out of range
Junior Mint Fed 151H - OH - Plan 1	500.00	500.00	50.00	44.73	9.49	CC
Junior Mint Fed 151H - OH - Plan 1	600.00	599.44	50.55	44.72	8.67	ES
Junior Mint Fed 151H - OH - Plan 1	11,300.00	11,296.10	114.72	77.62	3.09	SF
Junior Mint Fed 152H - OH - Plan 1	300.00	299.00	235.00	231.04	59.37	CC
Junior Mint Fed 152H - OH - Plan 1	400.00	395.69	235.69	231.03	50.49	ES
Junior Mint Fed 152H - OH - Plan 1	22,485.42	21,935.47	1,296.77	1,033.29	4.92	SF
Junior Mint Fed 156H - OH - Plan 1	2,552.70	2,907.72	2,350.44	2,335.68	159.22	CC
Junior Mint Fed 156H - OH - Plan 1	2,600.00	2,952.84	2,350.62	2,335.65	157.06	ES
Junior Mint Fed 156H - OH - Plan 1	3,900.00	4,052.34	2,429.34	2,408.86	118.62	SF
Junior Mint Fed 158H - OH - Plan 1						Out of range
Junior Mint Fed 211H - OH - Plan 1	300.00	300.00	35.36	31.39	8.92	CC, ES
Junior Mint Fed 211H - OH - Plan 1	22,485.80	22,893.66	472.47	289.95	2.59	SF
Junior Mint Fed 212H - OH - Plan 1	2,383.73	2,370.69	178.12	165.75	14.39	CC
Junior Mint Fed 212H - OH - Plan 1	2,400.00	2,386.02	178.17	165.74	14.33	ES
Junior Mint Fed 212H - OH - Plan 1	22,485.80	22,793.79	1,111.77	846.36	4.19	SF
Junior Mint Fed 213H - OH - Plan 1	4,377.71	4,819.47	2,117.79	2,094.69	91.68	CC
Junior Mint Fed 213H - OH - Plan 1	4,400.00	4,833.92	2,117.83	2,094.64	91.32	ES
Junior Mint Fed 213H - OH - Plan 1	22,485.80	22,821.96	2,389.21	2,099.92	8.26	SF
Junior Mint Fed 214H - OH - Plan 1						Out of range
Junior Mint Fed 215H - OH - Plan 1	300.00	299.00	55.90	51.94	14.12	CC, ES
Junior Mint Fed 215H - OH - Plan 1	22,485.80	22,804.05	578.14	355.28	2.59	SF
Junior Mint Fed 216H - OH - Plan 1						Out of range
Junior Mint Fed 217H - OH - Plan 1	1,937.15	1,934.10	229.56	218.71	21.16	CC
Junior Mint Fed 217H - OH - Plan 1	2,000.00	1,995.93	229.76	218.70	20.78	ES
Junior Mint Fed 217H - OH - Plan 1	22,485.80	22,874.24	1,793.50	1,518.45	6.52	SF
Junior Mint Fed 218H - OH - Plan 1						Out of range
Junior Mint Fed 221H - OH - Plan 1	700.00	700.00	25.00	18.67	3.95	CC, ES
Junior Mint Fed 221H - OH - Plan 1	5,400.00	5,386.67	60.32	32.72	2.19	SF
Junior Mint Fed 222H - OH - Plan 1	2,071.21	2,064.40	175.11	163.85	15.55	CC
Junior Mint Fed 222H - OH - Plan 1	2,100.00	2,092.64	175.18	163.83	15.43	ES
Junior Mint Fed 222H - OH - Plan 1	22,485.80	23,179.00	1,554.08	1,301.55	6.15	SF
Junior Mint Fed 223H - OH - Plan 1						Out of range
Junior Mint Fed 224H - OH - Plan 1						Out of range

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	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	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						

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

Survey Program: 100-3_Gyro-NS-CT_OWSG, 11638-3_MWD										Rule Assigned:		Offset Site Error: 0.00 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Distance		Offset Well Error: 0.00 usft		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	3.10	3.10	0.50	0.00	16.01	728.56	209.06	757.96				
100.00	100.00	106.34	106.34	0.98	0.15	16.01	728.33	208.96	757.72	756.59	1.13	671.827	
200.00	200.00	206.12	206.12	1.56	0.50	16.01	727.98	208.86	757.36	755.30	2.06	368.070	
300.00	300.00	307.60	307.59	1.98	0.85	16.00	727.51	208.64	756.85	754.02	2.83	267.114	
400.00	400.00	408.00	408.00	2.33	1.20	15.99	726.90	208.32	756.18	752.65	3.53	213.993	
500.00	500.00	508.29	508.29	2.63	1.56	15.94	726.46	207.54	755.54	751.35	4.19	180.328	
600.00	600.00	608.81	608.79	2.91	1.91	15.86	726.04	206.28	754.80	749.98	4.82	156.687	
700.00	700.00	707.98	707.95	3.16	2.26	15.78	725.62	205.07	754.06	748.64	5.42	139.169	
768.48	768.48	771.51	771.48	3.33	2.48	15.73	725.54	204.41	753.78	747.98	5.80	129.906	
800.00	800.00	802.52	802.49	3.40	2.59	15.71	725.64	204.08	753.79	747.81	5.99	125.940	
900.00	900.00	898.32	898.28	3.62	2.92	15.63	726.34	203.21	754.25	747.71	6.54	115.298	
1,000.00	1,000.00	998.03	997.99	3.84	3.27	15.56	727.16	202.52	754.85	747.75	7.10	106.310	
1,100.00	1,100.00	1,099.84	1,099.79	4.04	3.62	15.49	727.93	201.77	755.38	747.72	7.66	98.641	
1,200.00	1,200.00	1,200.06	1,200.01	4.23	3.97	15.41	728.63	200.88	755.82	747.62	8.20	92.150	
1,300.00	1,300.00	1,301.15	1,301.08	4.42	4.33	15.33	729.20	199.90	756.11	747.36	8.74	86.484	
1,400.00	1,400.00	1,399.94	1,399.87	4.60	4.67	15.26	729.84	199.13	756.52	747.25	9.27	81.621	
1,500.00	1,499.99	1,499.77	1,499.70	4.77	5.02	75.20	730.43	198.47	756.70	746.91	9.79	77.307	
1,600.00	1,599.96	1,599.17	1,599.09	4.94	5.37	75.34	731.04	197.96	756.48	746.19	10.30	73.463	
1,700.00	1,699.86	1,697.81	1,697.73	5.10	5.72	75.62	731.79	197.68	756.05	745.25	10.80	69.999	
1,800.00	1,799.68	1,797.02	1,796.94	5.26	6.06	76.06	732.58	197.68	755.32	744.02	11.30	66.817	
1,900.00	1,899.37	1,896.27	1,896.18	5.43	6.41	76.64	733.34	197.82	754.24	742.43	11.81	63.879	
2,000.00	1,998.90	1,995.90	1,995.81	5.59	6.76	77.37	734.08	198.20	752.91	740.59	12.31	61.152	
2,100.00	2,098.26	2,094.47	2,094.38	5.76	7.10	78.24	734.77	198.68	751.32	738.50	12.81	58.630	
2,200.00	2,197.40	2,194.50	2,194.41	5.93	7.45	79.25	735.46	199.19	749.57	736.25	13.33	56.251	
2,300.00	2,296.30	2,291.25	2,291.15	6.10	7.78	80.39	736.07	200.10	747.85	734.02	13.83	54.076	
2,400.00	2,394.93	2,388.17	2,388.06	6.27	8.12	81.69	736.79	201.34	746.42	732.08	14.34	52.050	
2,500.00	2,493.26	2,483.87	2,483.74	6.45	8.46	83.11	737.65	202.88	745.45	730.59	14.85	50.182	
2,562.13	2,554.18	2,541.72	2,541.58	6.56	8.66	84.03	738.31	204.03	745.22	730.05	15.17	49.109	CC
2,600.00	2,591.25	2,576.71	2,576.56	6.63	8.78	84.62	738.80	204.84	745.30	729.94	15.37	48.496	ES
2,700.00	2,688.87	2,670.54	2,670.34	6.82	9.11	86.27	740.35	207.13	746.17	730.27	15.90	46.939	
2,725.46	2,713.67	2,695.76	2,695.54	6.85	9.20	86.74	740.83	207.80	746.56	730.54	16.02	46.611	
2,800.00	2,786.22	2,766.05	2,765.81	6.98	9.45	88.04	742.13	209.60	747.94	731.54	16.40	45.618	
2,900.00	2,883.56	2,857.68	2,857.38	7.20	9.77	89.78	742.97	212.03	749.80	732.87	16.93	44.278	
3,000.00	2,980.90	2,952.86	2,952.47	7.43	10.11	91.54	745.67	215.14	754.31	736.82	17.49	43.125	
3,100.00	3,078.23	3,060.11	3,059.62	7.66	10.49	93.55	747.94	219.01	759.21	741.11	18.10	41.939	
3,200.00	3,175.57	3,157.36	3,156.81	7.90	10.84	95.41	748.76	222.65	763.97	745.29	18.68	40.900	
3,300.00	3,272.90	3,252.66	3,252.03	8.15	11.18	97.20	749.77	226.21	769.71	750.46	19.25	39.986	
3,400.00	3,370.24	3,363.89	3,363.21	8.40	11.57	99.22	750.59	229.55	775.62	755.74	19.88	39.006	
3,500.00	3,467.58	3,464.40	3,463.70	8.65	11.92	100.98	750.65	231.24	780.91	760.43	20.48	38.132	
3,600.00	3,564.91	3,564.80	3,564.09	8.91	12.27	102.68	750.65	232.20	786.41	765.33	21.07	37.317	
3,700.00	3,662.25	3,662.14	3,661.44	9.17	12.61	104.28	750.79	232.75	792.39	770.74	21.66	36.585	
3,800.00	3,759.58	3,760.59	3,759.88	9.43	12.95	105.87	750.84	233.11	798.82	776.57	22.25	35.905	
3,900.00	3,856.92	3,850.00	3,849.29	9.70	13.26	107.30	750.91	233.72	806.13	783.33	22.80	35.351	

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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
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: Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)							
4,000.00	3,954.26	3,933.74	3,933.00	9.97	13.56	108.69	751.10	235.81	815.48	792.15		23.33	34.949		
4,100.00	4,051.59	4,017.12	4,016.27	10.24	13.86	110.15	750.94	240.09	827.20	803.34		23.85	34.677		
4,200.00	4,148.93	4,109.37	4,108.31	10.52	14.19	111.80	750.49	246.33	840.73	816.32		24.41	34.439		
4,300.00	4,246.26	4,216.07	4,214.67	10.80	14.58	113.79	748.00	254.34	854.62	829.58		25.04	34.135		
4,400.00	4,343.60	4,383.16	4,381.30	11.08	15.16	116.85	738.97	261.50	865.52	839.65		25.87	33.456		
4,500.00	4,440.94	4,488.37	4,486.34	11.36	15.54	118.36	734.93	257.84	871.28	844.81		26.47	32.920		
4,600.00	4,538.27	4,562.22	4,560.09	11.64	15.80	119.16	735.99	254.15	878.94	851.96		26.98	32.578		
4,700.00	4,635.61	4,625.00	4,622.76	11.92	16.02	119.75	738.83	251.97	889.90	862.47		27.43	32.439		
4,800.00	4,732.95	4,687.17	4,684.86	12.21	16.24	120.41	741.67	252.75	905.13	877.29		27.84	32.506		
4,900.00	4,830.28	4,753.82	4,751.31	12.49	16.48	121.26	743.87	257.26	924.61	896.36		28.25	32.735		
5,000.00	4,927.62	4,844.75	4,841.76	12.78	16.83	122.56	745.12	266.51	946.70	917.93		28.77	32.901		
5,100.00	5,024.95	5,015.66	5,012.09	13.07	17.45	125.17	739.13	278.51	964.26	934.55		29.72	32.449		
5,200.00	5,122.29	5,139.37	5,135.67	13.36	17.88	126.86	734.10	280.90	978.15	947.76		30.38	32.194		
5,300.00	5,219.63	5,256.09	5,252.33	13.65	18.28	128.24	730.98	279.34	990.06	959.05		31.01	31.927		
5,400.00	5,316.96	5,353.08	5,349.27	13.95	18.63	129.24	729.91	276.56	1,001.56	969.99		31.57	31.725		
5,500.00	5,414.30	5,451.17	5,447.32	14.24	18.98	130.23	729.08	273.76	1,013.46	981.32		32.13	31.538		
5,574.00	5,486.33	5,522.92	5,519.04	14.44	19.23	130.93	728.55	271.73	1,022.49	989.96		32.53	31.428		
5,600.00	5,511.65	5,547.45	5,543.56	14.51	19.32	131.19	728.35	271.06	1,025.68	993.01		32.67	31.398		
5,700.00	5,609.28	5,639.15	5,635.23	14.79	19.64	132.11	727.65	268.87	1,037.74	1,004.54		33.20	31.257		
5,800.00	5,707.27	5,734.06	5,730.12	15.06	19.97	132.97	726.98	267.12	1,049.37	1,015.63		33.74	31.106		
5,900.00	5,805.60	5,832.10	5,828.14	15.31	20.32	133.77	726.20	265.45	1,060.13	1,025.86		34.27	30.933		
6,000.00	5,904.23	5,928.70	5,924.73	15.54	20.66	134.47	725.58	264.02	1,070.09	1,035.30		34.80	30.754		
6,100.00	6,003.13	6,025.00	6,021.02	15.75	20.99	135.09	725.01	262.61	1,078.99	1,043.68		35.31	30.558		
6,200.00	6,102.27	6,125.00	6,121.01	15.95	21.34	135.65	724.28	261.22	1,086.78	1,050.95		35.83	30.332		
6,300.00	6,201.63	6,223.91	6,219.90	16.13	21.69	136.14	723.29	260.06	1,093.55	1,057.21		36.34	30.096		
6,400.00	6,301.17	6,321.25	6,317.24	16.29	22.03	136.56	722.19	259.13	1,099.30	1,062.47		36.83	29.850		
6,500.00	6,400.86	6,419.14	6,415.12	16.43	22.37	136.91	721.21	258.37	1,104.03	1,066.72		37.31	29.588		
6,600.00	6,500.67	6,516.59	6,512.56	16.56	22.70	137.18	720.36	257.72	1,107.64	1,069.86		37.79	29.313		
6,700.00	6,600.58	6,615.74	6,611.71	16.67	23.05	137.38	719.62	257.14	1,110.11	1,071.85		38.26	29.016		
6,800.00	6,700.54	6,716.50	6,712.47	16.76	23.40	137.51	718.88	256.65	1,111.40	1,072.67		38.72	28.701		
6,899.47	6,800.00	6,813.99	6,809.95	16.83	23.74	77.63	718.16	256.12	1,111.35	1,072.21		39.15	28.389		
6,900.00	6,800.54	6,814.53	6,810.49	16.83	23.74	77.63	718.16	256.12	1,111.35	1,072.20		39.15	28.388		
7,000.00	6,900.54	6,912.76	6,908.71	16.90	24.08	77.66	717.49	255.69	1,110.78	1,071.23		39.55	28.083		
7,100.00	7,000.54	7,010.36	7,006.31	16.96	24.42	77.69	716.93	255.50	1,110.46	1,070.51		39.96	27.792		
7,200.00	7,100.54	7,109.87	7,105.82	17.02	24.76	77.71	716.39	255.33	1,110.18	1,069.81		40.37	27.503		
7,300.00	7,200.54	7,208.67	7,204.62	17.09	25.11	77.75	715.72	255.19	1,109.90	1,069.12		40.77	27.221		
7,400.00	7,300.54	7,307.46	7,303.40	17.15	25.45	77.78	715.11	255.24	1,109.81	1,068.63		41.18	26.950		
7,437.01	7,337.54	7,345.92	7,341.87	17.18	25.58	77.78	714.96	255.25	1,109.79	1,068.45		41.34	26.846		
7,454.40	7,354.93	7,361.99	7,357.93	17.19	25.64	77.79	714.88	255.25	1,109.78	1,068.37		41.41	26.802		
7,500.00	7,400.54	7,406.98	7,402.92	17.22	25.79	77.80	714.69	255.33	1,109.81	1,068.22		41.59	26.683		
7,600.00	7,500.54	7,502.94	7,498.88	17.28	26.13	77.82	714.42	255.56	1,110.00	1,068.01		41.99	26.436		
7,700.00	7,600.54	7,606.26	7,602.20	17.35	26.49	77.83	714.29	255.87	1,110.26	1,067.85		42.41	26.176		
7,800.00	7,700.54	7,703.98	7,699.93	17.41	26.83	77.83	714.28	256.13	1,110.51	1,067.70		42.82	25.935		
7,900.00	7,800.54	7,801.39	7,797.33	17.48	27.16	77.83	714.41	256.45	1,110.87	1,067.65		43.22	25.701		
8,000.00	7,900.54	7,902.68	7,898.62	17.54	27.52	77.80	714.94	256.92	1,111.44	1,067.79		43.64	25.467		
8,100.00	8,000.54	7,998.15	7,994.09	17.61	27.85	77.79	715.38	257.35	1,111.98	1,067.94		44.04	25.250		
8,200.00	8,100.54	8,097.03	8,092.97	17.67	28.19	77.76	716.10	258.07	1,112.84	1,068.39		44.45	25.036		
8,300.00	8,200.54	8,197.17	8,193.09	17.74	28.54	77.73	716.84	258.82	1,113.73	1,068.86		44.87	24.823		
8,400.00	8,300.54	8,296.84	8,292.77	17.80	28.89	77.70	717.63	259.57	1,114.64	1,069.36		45.28	24.616		
8,500.00	8,400.54	8,395.39	8,391.30	17.87	29.23	77.66	718.53	260.42	1,115.68	1,069.98		45.69	24.417		
8,600.00	8,500.54	8,494.81	8,490.72	17.94	29.58	77.62	719.48	261.32	1,116.77	1,070.66		46.11	24.221		
8,700.00	8,600.54	8,593.54	8,589.43	18.00	29.93	77.58	720.52	262.30	1,117.96	1,071.44		46.52	24.033		

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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) Monter 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 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)							
8,800.00	8,700.54	8,695.05	8,690.93	18.07	30.28	77.55	721.45	263.32	1,119.13	1,072.19		46.94	23.841		
8,900.00	8,800.54	8,795.42	8,791.30	18.14	30.63	77.52	722.17	264.26	1,120.21	1,072.85		47.36	23.653		
9,000.00	8,900.54	8,891.36	8,887.23	18.20	30.97	77.49	723.09	265.25	1,121.42	1,073.66		47.76	23.480		
9,100.00	9,000.54	8,985.32	8,981.17	18.27	31.30	77.46	723.89	266.64	1,123.06	1,074.91		48.15	23.323		
9,200.00	9,100.54	9,077.71	9,073.54	18.34	31.62	77.47	724.21	268.78	1,125.39	1,076.86		48.54	23.186		
9,300.00	9,200.54	9,176.63	9,172.41	18.40	31.97	77.51	723.98	271.76	1,128.29	1,079.34		48.95	23.050		
9,400.00	9,300.54	9,277.45	9,273.19	18.47	32.33	77.56	723.73	274.77	1,131.14	1,081.77		49.37	22.913		
9,500.00	9,400.54	9,375.97	9,371.67	18.54	32.68	77.62	723.20	277.64	1,133.87	1,084.09		49.78	22.779		
9,600.00	9,500.54	9,488.90	9,484.55	18.60	33.07	77.71	721.94	280.49	1,136.10	1,085.85		50.24	22.611		
9,700.00	9,600.54	9,624.56	9,620.17	18.67	33.55	77.85	719.28	281.03	1,136.02	1,085.24		50.79	22.369		
9,800.00	9,700.54	9,725.64	9,721.23	18.74	33.90	77.94	717.20	279.91	1,134.51	1,083.31		51.20	22.157		
9,900.00	9,800.54	9,827.09	9,822.65	18.81	34.26	78.03	715.14	278.64	1,132.86	1,081.24		51.62	21.945		
10,000.00	9,900.54	9,932.45	9,927.97	18.88	34.63	78.13	712.68	277.01	1,130.87	1,078.81		52.05	21.725		
10,100.00	10,000.54	10,034.12	10,029.59	18.94	34.98	78.24	710.14	275.28	1,128.69	1,076.21		52.47	21.510		
10,200.00	10,100.54	10,139.87	10,135.29	19.01	35.36	78.33	707.83	272.94	1,126.08	1,073.17		52.90	21.285		
10,300.00	10,200.54	10,240.02	10,235.40	19.08	35.71	78.36	706.75	270.29	1,123.26	1,069.94		53.32	21.066		
10,400.00	10,300.54	10,335.97	10,331.31	19.15	36.05	78.36	706.09	267.79	1,120.58	1,066.85		53.72	20.858		
10,500.00	10,400.54	10,431.02	10,426.33	19.22	36.38	78.37	705.55	265.63	1,118.24	1,064.12		54.13	20.660		
10,600.00	10,500.54	10,523.37	10,518.67	19.28	36.71	78.36	705.37	264.02	1,116.50	1,061.98		54.52	20.479		
10,700.00	10,600.54	10,622.37	10,617.66	19.35	37.05	78.32	705.90	262.65	1,115.25	1,060.32		54.93	20.302		
10,800.00	10,700.54	10,731.62	10,726.90	19.42	37.44	78.28	706.30	260.69	1,113.57	1,058.19		55.38	20.108		
10,900.00	10,800.54	10,830.83	10,826.08	19.49	37.79	78.25	706.43	258.56	1,111.49	1,055.69		55.80	19.921		
11,000.00	10,900.54	10,934.19	10,929.41	19.56	38.15	78.22	706.51	256.23	1,109.29	1,053.07		56.22	19.730		
11,100.00	11,000.54	11,046.36	11,041.54	19.63	38.55	78.17	706.82	253.05	1,106.60	1,049.92		56.68	19.524		
11,200.00	11,100.54	11,164.82	11,159.81	19.70	38.97	77.99	709.14	247.15	1,102.09	1,044.94		57.15	19.283		
11,300.00	11,200.54	11,266.34	11,260.98	19.77	39.33	77.65	714.35	240.47	1,096.72	1,039.14		57.59	19.044		
11,400.00	11,300.54	11,350.00	11,344.37	19.84	39.62	77.36	718.99	235.62	1,092.26	1,034.28		57.98	18.840		
11,500.00	11,400.54	11,448.55	11,442.67	19.91	39.97	77.04	724.17	230.78	1,088.62	1,030.22		58.41	18.639		
11,600.00	11,500.54	11,545.00	11,538.88	19.98	40.31	76.72	729.25	226.19	1,085.17	1,026.34		58.83	18.445		
11,653.47	11,554.00	11,596.38	11,590.15	20.00	40.46	76.57	731.70	223.93	1,083.48	1,024.47		59.01	18.360		
11,700.00	11,600.48	11,638.00	11,631.70	20.03	40.54	-103.22	733.41	222.27	1,082.55	1,023.45		59.10	18.318	SF	
11,716.74	11,617.14	11,653.99	11,647.67	20.04	40.54	-103.34	734.02	221.68	1,082.47	1,023.38		59.09	18.318		
11,750.00	11,650.08	11,681.87	11,675.51	20.05	40.54	-103.58	735.06	220.76	1,082.78	1,023.70		59.08	18.326		
11,800.00	11,698.94	11,723.15	11,716.75	20.05	40.55	-103.95	736.54	219.65	1,084.47	1,025.41		59.05	18.364		
11,850.00	11,746.70	11,764.88	11,758.44	20.04	40.55	-104.35	737.99	218.80	1,087.68	1,028.68		59.01	18.433		
11,900.00	11,793.00	11,803.00	11,796.53	20.02	40.55	-104.68	739.43	218.29	1,092.61	1,033.66		58.95	18.535		
11,950.00	11,837.47	11,821.95	11,815.46	20.00	40.55	-104.48	740.46	218.25	1,099.70	1,040.82		58.88	18.677		
12,000.00	11,879.79	11,848.88	11,842.30	19.98	40.55	-104.37	742.60	218.45	1,109.24	1,050.44		58.80	18.865		
12,050.00	11,919.63	11,876.80	11,870.08	19.95	40.56	-104.17	745.35	218.62	1,120.89	1,062.18		58.71	19.092		
12,100.00	11,956.69	11,898.00	11,891.09	19.93	40.56	-103.58	748.20	218.76	1,135.01	1,076.40		58.62	19.364		
12,150.00	11,990.68	11,909.05	11,901.98	19.91	40.56	-102.34	750.03	218.83	1,151.64	1,093.13		58.52	19.681		
12,200.00	12,021.34	11,920.21	11,912.94	19.91	40.56	-100.83	752.17	218.89	1,170.76	1,112.35		58.42	20.042		
12,250.00	12,048.45	11,929.00	11,921.52	19.91	40.56	-98.92	754.06	218.91	1,192.25	1,133.93		58.32	20.444		
12,300.00	12,071.80	11,929.00	11,921.52	19.92	40.56	-96.25	754.06	218.91	1,215.93	1,157.71		58.22	20.884		
12,350.00	12,091.21	11,929.00	11,921.52	19.96	40.56	-93.28	754.06	218.91	1,241.58	1,183.45		58.13	21.357		
12,400.00	12,106.53	11,938.73	11,930.98	20.00	40.56	-90.55	756.35	218.93	1,268.80	1,210.74		58.05	21.855		
12,450.00	12,117.64	11,929.00	11,921.52	20.07	40.56	-86.52	754.06	218.91	1,297.55	1,239.57		57.98	22.380		
12,500.00	12,124.47	11,929.00	11,921.52	20.15	40.56	-82.84	754.06	218.91	1,327.27	1,269.36		57.91	22.919		
12,548.47	12,126.94	11,929.00	11,921.52	20.25	40.56	-79.16	754.06	218.91	1,356.81	1,298.96		57.85	23.454		
12,600.00	12,127.39	11,929.00	11,921.52	20.37	40.56	-79.16	754.06	218.91	1,389.10	1,331.31		57.79	24.036		
12,700.00	12,128.26	11,929.00	11,921.52	20.66	40.56	-79.16	754.06	218.91	1,454.93	1,397.21		57.72	25.207		
12,800.00	12,129.13	11,916.54	11,909.34	21.01	40.56	-78.52	751.43	218.87	1,524.31	1,466.63		57.68	26.425		

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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) Monter Federal 023H - OH - OH													Offset Site Error:	0.00 usft
Survey Program: 100-3_Gyro-NS-CT_OWSSG, 11638-3_MWD													Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Rule Assigned:		Distance		Minimum	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)	Separation (usft)			
12,900.00	12,130.00	11,911.47	11,904.36	21.42	40.56	-78.26	750.47	218.85	1,596.92	1,539.25	57.67	27.689		
13,000.00	12,130.87	11,898.00	11,891.09	21.89	40.56	-77.56	748.20	218.76	1,672.40	1,614.71	57.69	28.988		
13,100.00	12,131.74	11,898.00	11,891.09	22.42	40.56	-77.56	748.20	218.76	1,750.16	1,692.44	57.72	30.323		
13,200.00	12,132.61	11,898.00	11,891.09	23.02	40.56	-77.56	748.20	218.76	1,830.07	1,772.31	57.76	31.686		
13,300.00	12,133.48	11,898.00	11,891.09	23.67	40.56	-77.56	748.20	218.76	1,911.88	1,854.07	57.81	33.074		
13,400.00	12,134.35	11,898.00	11,891.09	24.38	40.56	-77.56	748.20	218.76	1,995.34	1,937.47	57.86	34.483		
13,500.00	12,135.23	11,898.00	11,891.09	25.14	40.56	-77.56	748.20	218.76	2,080.26	2,022.33	57.93	35.910		
13,600.00	12,136.10	11,898.00	11,891.09	25.95	40.56	-77.56	748.20	218.76	2,166.47	2,108.47	58.00	37.353		
13,700.00	12,136.97	11,883.69	11,876.92	26.81	40.56	-76.83	746.19	218.66	2,253.61	2,195.51	58.10	38.787		
13,800.00	12,137.84	11,881.17	11,874.42	27.70	40.56	-76.70	745.87	218.65	2,341.90	2,283.71	58.19	40.248		

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - (O) Montera Federal Com 601H - OH - OH

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

Survey Program: 100-3_Gyro-NS-CT_OWSG, 11116-3_MWD														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	5.72	5.72	0.50	0.01	-51.50	804.30	-1,011.10	1,291.98						
100.00	100.00	101.59	101.59	0.98	0.14	-51.51	804.26	-1,011.38	1,292.19	1,291.07	1.12	1,157.516			
200.00	200.00	208.68	208.68	1.56	0.51	-51.52	804.07	-1,011.54	1,292.19	1,290.12	2.07	624.235			
208.18	208.18	214.17	214.17	1.60	0.53	-51.52	804.06	-1,011.54	1,292.18	1,290.06	2.12	608.600			
300.00	300.00	302.18	302.17	1.98	0.84	-51.54	803.94	-1,011.97	1,292.45	1,289.63	2.82	458.830			
400.00	400.00	410.28	410.27	2.33	1.22	-51.56	803.47	-1,012.33	1,292.44	1,288.89	3.54	364.840			
500.00	500.00	509.71	509.70	2.63	1.56	-51.58	802.85	-1,012.38	1,292.09	1,287.89	4.19	308.042			
600.00	600.00	611.12	611.12	2.91	1.92	-51.61	802.20	-1,012.54	1,291.82	1,287.00	4.82	267.775			
700.00	700.00	711.24	711.23	3.16	2.27	-51.64	801.55	-1,012.59	1,291.45	1,286.02	5.43	237.934			
800.00	800.00	818.55	818.54	3.40	2.64	-51.66	800.62	-1,012.33	1,290.72	1,284.69	6.04	213.712			
900.00	900.00	918.44	918.42	3.62	2.99	-51.67	799.84	-1,011.84	1,289.85	1,283.24	6.61	195.078			
1,000.00	1,000.00	1,020.12	1,020.09	3.84	3.35	-51.65	799.65	-1,010.81	1,288.94	1,281.76	7.18	179.532			
1,100.00	1,100.00	1,118.78	1,118.75	4.04	3.69	-51.60	799.90	-1,009.35	1,287.94	1,280.21	7.73	166.674			
1,200.00	1,200.00	1,217.38	1,217.33	4.23	4.04	-51.55	800.16	-1,007.85	1,286.91	1,278.65	8.27	155.668			
1,300.00	1,300.00	1,317.93	1,317.87	4.42	4.39	-51.50	800.51	-1,006.31	1,285.93	1,277.13	8.81	146.020			
1,400.00	1,400.00	1,419.26	1,419.19	4.60	4.74	-51.46	800.60	-1,004.91	1,284.90	1,275.56	9.34	137.532			
1,500.00	1,499.99	1,522.66	1,522.58	4.77	5.11	8.52	800.41	-1,003.46	1,282.83	1,272.96	9.88	129.898			
1,600.00	1,599.96	1,622.60	1,622.51	4.94	5.46	8.57	800.02	-1,002.14	1,278.97	1,268.58	10.39	123.097			
1,700.00	1,699.86	1,722.90	1,722.80	5.10	5.81	8.62	799.41	-1,000.86	1,273.28	1,262.37	10.90	116.764			
1,800.00	1,799.68	1,823.19	1,823.08	5.26	6.16	8.68	798.67	-999.57	1,265.78	1,254.36	11.42	110.843			
1,900.00	1,899.37	1,925.00	1,924.87	5.43	6.52	8.76	797.84	-998.15	1,256.43	1,244.49	11.94	105.226			
2,000.00	1,998.90	2,010.00	2,009.86	5.59	6.81	8.78	796.45	-998.22	1,245.99	1,233.59	12.40	100.453			
2,100.00	2,098.26	2,106.69	2,106.51	5.76	7.15	8.75	794.20	-999.68	1,234.53	1,221.62	12.91	95.626			
2,200.00	2,197.40	2,209.36	2,209.14	5.93	7.51	8.73	791.75	-1,001.26	1,221.33	1,207.90	13.44	90.877			
2,300.00	2,296.30	2,310.33	2,310.07	6.10	7.87	8.74	789.32	-1,002.55	1,206.22	1,192.26	13.97	86.374			
2,400.00	2,394.93	2,408.11	2,407.82	6.27	8.21	8.77	787.07	-1,003.51	1,189.24	1,174.76	14.48	82.119			
2,500.00	2,493.26	2,509.43	2,509.12	6.45	8.57	8.84	785.00	-1,003.99	1,170.33	1,155.31	15.01	77.956			
2,600.00	2,591.25	2,611.81	2,611.49	6.63	8.93	8.96	783.31	-1,004.22	1,149.78	1,134.23	15.55	73.948			
2,700.00	2,688.87	2,705.64	2,705.31	6.82	9.25	9.10	781.76	-1,004.20	1,127.37	1,111.31	16.06	70.203			
2,725.46	2,713.67	2,732.75	2,732.41	6.85	9.35	9.14	781.31	-1,004.21	1,121.40	1,105.22	16.18	69.304			
2,800.00	2,786.22	2,801.69	2,801.32	6.98	9.59	9.19	779.60	-1,004.63	1,103.74	1,087.20	16.54	66.748			
2,900.00	2,883.56	2,900.58	2,900.09	7.20	9.94	9.13	775.36	-1,007.06	1,080.32	1,063.25	17.07	63.281			
3,000.00	2,980.90	2,994.14	2,993.54	7.43	10.28	9.06	771.32	-1,009.31	1,056.85	1,039.26	17.59	60.070			
3,100.00	3,078.23	3,093.26	3,092.56	7.66	10.63	9.02	767.46	-1,011.42	1,033.42	1,015.29	18.14	56.984			
3,200.00	3,175.57	3,188.56	3,187.80	7.90	10.97	9.03	764.43	-1,012.86	1,009.97	991.30	18.67	54.109			
3,300.00	3,272.90	3,298.80	3,297.90	8.15	11.36	8.96	759.57	-1,014.88	986.00	966.76	19.25	51.232			
3,400.00	3,370.24	3,395.44	3,394.27	8.40	11.72	8.74	752.87	-1,017.83	961.43	941.64	19.79	48.574			
3,500.00	3,467.58	3,495.80	3,494.40	8.65	12.08	8.56	746.55	-1,020.07	936.64	916.29	20.35	46.024			
3,600.00	3,564.91	3,592.77	3,591.17	8.91	12.44	8.40	740.64	-1,021.96	911.77	890.87	20.90	43.623			
3,700.00	3,662.25	3,690.50	3,688.71	9.17	12.80	8.23	734.82	-1,023.88	886.99	865.54	21.45	41.344			
3,800.00	3,759.58	3,783.66	3,781.72	9.43	13.13	8.11	729.86	-1,025.28	862.25	840.25	21.99	39.202			
3,900.00	3,856.92	3,881.96	3,879.90	9.70	13.49	8.02	725.06	-1,026.48	837.56	815.01	22.55	37.144			
4,000.00	3,954.26	3,969.43	3,967.19	9.97	13.81	7.83	719.99	-1,028.84	813.45	790.37	23.08	35.242			
4,100.00	4,051.59	4,054.12	4,051.61	10.24	14.13	7.53	714.64	-1,032.76	790.56	766.95	23.61	33.483			
4,200.00	4,148.93	4,141.90	4,139.19	10.52	14.45	7.29	710.70	-1,037.22	769.11	744.97	24.14	31.856			
4,300.00	4,246.26	4,228.86	4,226.03	10.80	14.76	7.19	709.15	-1,041.42	749.07	724.41	24.66	30.372			
4,400.00	4,343.60	4,323.16	4,320.25	11.08	15.08	7.25	709.72	-1,045.39	729.95	704.75	25.20	28.969			
4,500.00	4,440.94	4,432.02	4,429.03	11.36	15.46	7.58	712.65	-1,047.79	710.53	684.75	25.78	27.560			
4,600.00	4,538.27	4,576.32	4,573.23	11.64	15.97	8.28	714.69	-1,044.41	686.78	660.34	26.43	25.982			
4,700.00	4,635.61	4,675.86	4,672.68	11.92	16.31	8.69	713.15	-1,040.31	660.03	633.05	26.98	24.463			
4,800.00	4,732.95	4,781.13	4,777.71	12.21	16.68	8.72	706.94	-1,037.91	632.07	604.54	27.53	22.957			
4,900.00	4,830.28	4,877.72	4,874.00	12.49	17.03	8.57	699.42	-1,036.22	603.37	575.29	28.08	21.484			

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 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) Monter Federal Com 601H - OH - OH

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

Survey Program: 100-3_Gyro-NS-CT_OWSG, 11116-3_MWD							Rule Assigned:				Offset Well Error:		0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,000.00	4,927.62	4,968.69	4,964.68	12.78	17.37	8.42	692.31	-1,034.67	574.72	546.08	28.64	20.068	
5,100.00	5,024.95	5,048.75	5,044.51	13.07	17.66	8.13	686.41	-1,035.75	548.55	519.36	29.20	18.789	
5,200.00	5,122.29	5,146.00	5,141.50	13.36	18.03	7.75	679.75	-1,037.89	523.44	493.68	29.76	17.587	
5,300.00	5,219.63	5,242.97	5,238.27	13.65	18.39	7.42	673.63	-1,039.41	498.19	467.86	30.33	16.426	
5,400.00	5,316.96	5,338.68	5,333.79	13.95	18.74	7.09	667.92	-1,040.90	473.14	442.24	30.89	15.315	
5,500.00	5,414.30	5,434.80	5,429.73	14.24	19.10	6.71	662.10	-1,042.49	448.13	416.67	31.46	14.244	
5,574.00	5,486.33	5,494.13	5,488.87	14.44	19.32	6.30	658.17	-1,044.85	430.76	398.90	31.86	13.520	
5,600.00	5,511.65	5,518.01	5,512.66	14.51	19.41	6.09	656.60	-1,046.32	425.16	393.17	32.00	13.288	
5,700.00	5,609.28	5,615.39	5,609.65	14.79	19.78	5.13	650.31	-1,052.42	404.94	372.37	32.57	12.432	
5,800.00	5,707.27	5,713.91	5,707.76	15.06	20.15	4.06	643.88	-1,058.55	386.47	353.33	33.15	11.660	
5,900.00	5,805.60	5,811.94	5,805.42	15.31	20.53	2.91	637.67	-1,064.47	369.81	336.10	33.72	10.968	
6,000.00	5,904.23	5,910.29	5,903.38	15.54	20.90	1.65	631.43	-1,070.52	355.12	320.83	34.29	10.357	
6,100.00	6,003.13	6,008.51	6,001.23	15.75	21.28	0.33	625.47	-1,076.55	342.46	307.61	34.85	9.826	
6,200.00	6,102.27	6,109.75	6,102.13	15.95	21.66	-1.06	619.58	-1,082.43	331.58	296.16	35.42	9.361	
6,300.00	6,201.63	6,210.16	6,202.26	16.13	22.04	-2.41	613.99	-1,087.56	322.12	286.14	35.98	8.953	
6,400.00	6,301.17	6,311.13	6,302.96	16.29	22.42	-3.79	608.27	-1,092.08	313.97	277.44	36.54	8.594	
6,500.00	6,400.86	6,411.93	6,403.51	16.43	22.80	-5.18	602.57	-1,096.20	307.41	270.32	37.09	8.289	
6,600.00	6,500.67	6,511.28	6,502.65	16.56	23.18	-6.50	597.24	-1,100.03	302.66	265.03	37.63	8.044	
6,700.00	6,600.58	6,611.27	6,602.44	16.67	23.55	-7.79	592.03	-1,103.72	299.71	261.55	38.16	7.854	
6,800.00	6,700.54	6,711.10	6,702.07	16.76	23.92	-9.02	586.98	-1,107.39	298.68	260.00	38.68	7.722	
6,818.62	6,719.16	6,730.11	6,721.05	16.77	24.00	-9.25	585.97	-1,108.05	298.64	259.87	38.77	7.703	
6,899.47	6,800.00	6,816.97	6,807.75	16.83	24.32	-70.14	581.68	-1,110.49	298.85	259.70	39.15	7.634	
6,900.00	6,800.54	6,817.53	6,808.32	16.83	24.32	-70.14	581.65	-1,110.49	298.85	259.70	39.15	7.633	
7,000.00	6,900.54	6,918.63	6,909.32	16.90	24.68	-70.99	577.19	-1,111.04	297.88	258.30	39.58	7.526	
7,057.99	6,958.53	6,973.90	6,964.53	16.93	24.88	-71.43	574.92	-1,111.43	297.50	257.67	39.83	7.469	
7,100.00	7,000.54	7,009.00	6,999.62	16.96	25.01	-71.58	574.31	-1,112.17	298.10	258.09	40.00	7.452	
7,200.00	7,100.54	7,109.68	7,100.27	17.02	25.35	-71.76	574.11	-1,114.54	300.27	259.85	40.41	7.430	
7,300.00	7,200.54	7,209.78	7,200.35	17.09	25.69	-71.90	574.06	-1,116.74	302.34	261.52	40.82	7.407	
7,400.00	7,300.54	7,310.16	7,300.70	17.15	26.03	-72.03	574.01	-1,118.88	304.35	263.12	41.23	7.382	
7,500.00	7,400.54	7,410.36	7,400.89	17.22	26.38	-72.14	574.09	-1,120.92	306.31	264.68	41.64	7.357	
7,600.00	7,500.54	7,511.35	7,501.86	17.28	26.72	-72.25	574.03	-1,122.63	307.91	265.87	42.04	7.324	
7,700.00	7,600.54	7,611.63	7,602.13	17.35	27.06	-72.35	573.97	-1,124.25	309.43	266.98	42.45	7.289	
7,800.00	7,700.54	7,711.74	7,702.22	17.41	27.40	-72.36	574.34	-1,125.60	310.83	267.97	42.86	7.252	
7,900.00	7,800.54	7,811.91	7,802.39	17.48	27.74	-72.37	574.73	-1,127.02	312.29	269.02	43.27	7.218	
8,000.00	7,900.54	7,912.15	7,902.62	17.54	28.08	-72.34	575.25	-1,128.14	313.51	269.84	43.68	7.178	
8,100.00	8,000.54	8,013.13	8,003.60	17.61	28.43	-72.31	575.75	-1,129.15	314.62	270.54	44.09	7.137	
8,200.00	8,100.54	8,111.24	8,101.69	17.67	28.76	-72.35	575.87	-1,130.27	315.74	271.25	44.49	7.097	
8,300.00	8,200.54	8,208.26	8,198.69	17.74	29.09	-72.44	576.05	-1,132.49	317.98	273.08	44.90	7.082	
8,400.00	8,300.54	8,315.09	8,305.51	17.80	29.46	-72.46	576.38	-1,133.88	319.30	273.99	45.32	7.046	
8,500.00	8,400.54	8,420.95	8,411.36	17.87	29.83	-72.26	577.27	-1,133.04	318.81	273.07	45.73	6.971	
8,600.00	8,500.54	8,522.11	8,512.50	17.94	30.18	-71.99	578.15	-1,130.93	317.09	270.94	46.15	6.871	
8,700.00	8,600.54	8,621.09	8,611.45	18.00	30.52	-71.72	579.05	-1,128.81	315.34	268.78	46.56	6.772	
8,800.00	8,700.54	8,720.99	8,711.33	18.07	30.87	-71.49	579.78	-1,126.93	313.78	266.81	46.98	6.679	
8,900.00	8,800.54	8,821.84	8,812.16	18.14	31.22	-71.31	580.19	-1,125.13	312.22	264.83	47.39	6.588	
9,000.00	8,900.54	8,919.81	8,910.11	18.20	31.56	-71.18	580.45	-1,123.74	310.97	263.16	47.80	6.505	
9,100.00	9,000.54	9,019.24	9,009.54	18.27	31.90	-71.10	580.51	-1,122.62	309.91	261.70	48.22	6.427	
9,200.00	9,100.54	9,119.73	9,110.03	18.34	32.24	-71.07	580.34	-1,121.57	308.87	260.24	48.63	6.351	
9,300.00	9,200.54	9,219.81	9,210.10	18.40	32.59	-71.07	579.98	-1,120.56	307.80	258.76	49.04	6.276	
9,400.00	9,300.54	9,319.25	9,309.53	18.47	32.93	-71.13	579.36	-1,119.64	306.72	257.27	49.45	6.202	
9,500.00	9,400.54	9,418.43	9,408.71	18.54	33.27	-71.28	578.34	-1,119.21	305.98	256.11	49.87	6.136	
9,600.00	9,500.54	9,518.03	9,508.30	18.60	33.61	-71.47	577.22	-1,119.00	305.42	255.14	50.28	6.074	
9,700.00	9,600.54	9,618.02	9,608.28	18.67	33.96	-71.67	576.00	-1,118.69	304.74	254.04	50.70	6.011	

Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - (O) Montera Federal Com 601H - OH - OH														Offset Site Error:	0.00 usft
Survey Program: 100-3_Gyro-NS-CT_OWSG, 11116-3_MWD														Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	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)							
9,800.00	9,700.54	9,717.68	9,707.93	18.74	34.30	-71.84	574.93	-1,118.45	304.18	253.07	51.11	5.951			
9,900.00	9,800.54	9,817.22	9,807.47	18.81	34.64	-72.00	573.98	-1,118.27	303.71	252.18	51.53	5.894			
10,000.00	9,900.54	9,918.29	9,908.54	18.88	34.99	-72.13	573.18	-1,117.89	303.10	251.15	51.95	5.835			
10,100.00	10,000.54	10,018.24	10,008.49	18.94	35.34	-72.16	572.76	-1,117.13	302.25	249.89	52.36	5.772			
10,200.00	10,100.54	10,117.59	10,107.83	19.01	35.68	-72.05	573.09	-1,116.40	301.66	248.88	52.78	5.716			
10,300.00	10,200.54	10,218.73	10,208.97	19.08	36.03	-71.91	573.69	-1,115.71	301.20	248.00	53.19	5.662			
10,400.00	10,300.54	10,318.77	10,308.99	19.15	36.38	-71.58	575.07	-1,114.42	300.40	246.78	53.62	5.603			
10,500.00	10,400.54	10,419.91	10,410.10	19.22	36.74	-71.20	576.69	-1,112.92	299.51	245.47	54.04	5.542			
10,600.00	10,500.54	10,521.39	10,511.54	19.28	37.10	-70.72	578.56	-1,110.70	298.04	243.57	54.47	5.472			
10,700.00	10,600.54	10,621.03	10,611.14	19.35	37.45	-70.22	580.42	-1,108.29	296.38	241.49	54.89	5.399			
10,800.00	10,700.54	10,722.22	10,712.27	19.42	37.81	-69.68	582.48	-1,105.70	294.68	239.36	55.32	5.327			
10,900.00	10,800.54	10,821.74	10,811.71	19.49	38.17	-68.98	585.12	-1,102.61	292.71	236.95	55.75	5.250			
11,000.00	10,900.54	10,921.83	10,911.70	19.56	38.53	-68.21	588.13	-1,099.59	291.00	234.81	56.19	5.179			
11,051.18	10,951.71	10,968.00	10,957.85	19.60	38.69	-67.92	589.30	-1,098.50	290.37	233.98	56.39	5.149	CC, ES		
11,100.00	11,000.54	11,011.28	11,001.12	19.63	38.84	-67.82	589.90	-1,098.69	290.83	234.25	56.58	5.140	SF		
11,200.00	11,100.54	11,103.37	11,093.15	19.70	39.02	-67.60	592.13	-1,101.08	294.14	237.33	56.81	5.177			
11,300.00	11,200.54	11,194.88	11,184.50	19.77	39.05	-67.45	594.93	-1,105.79	300.07	243.18	56.88	5.275			
11,400.00	11,300.54	11,305.85	11,295.24	19.84	39.05	-67.59	596.79	-1,112.27	306.16	249.17	56.99	5.372			
11,500.00	11,400.54	11,418.54	11,407.91	19.91	39.06	-67.95	595.51	-1,114.17	307.23	250.14	57.09	5.382			
11,534.28	11,434.82	11,451.46	11,440.82	19.93	39.07	-68.04	595.00	-1,114.29	307.15	250.04	57.12	5.378			
11,600.00	11,500.54	11,515.91	11,505.26	19.98	39.08	-68.21	594.24	-1,114.85	307.39	250.22	57.17	5.377			
11,653.47	11,554.00	11,570.63	11,559.97	20.00	39.09	-68.38	593.44	-1,115.29	307.50	250.29	57.20	5.375			
11,700.00	11,600.48	11,617.70	11,607.03	20.03	39.09	112.21	592.56	-1,115.58	308.16	250.94	57.22	5.386			
11,750.00	11,650.08	11,667.65	11,656.97	20.05	39.10	112.86	591.49	-1,115.89	310.44	253.24	57.21	5.427			
11,800.00	11,698.94	11,716.77	11,706.08	20.05	39.11	114.01	590.38	-1,116.20	314.55	257.35	57.20	5.499			
11,850.00	11,746.70	11,764.27	11,753.57	20.04	39.12	115.56	589.28	-1,116.51	320.78	263.58	57.20	5.608			
11,900.00	11,793.00	11,808.96	11,798.24	20.02	39.13	117.28	588.40	-1,116.97	329.69	272.47	57.22	5.762			
11,950.00	11,837.47	11,845.00	11,834.28	20.00	39.14	118.58	587.83	-1,117.48	341.79	284.53	57.26	5.969			
12,000.00	11,879.79	11,886.40	11,875.66	19.98	39.15	120.45	588.47	-1,117.86	357.61	300.25	57.36	6.234			
12,050.00	11,919.63	11,917.17	11,906.36	19.95	39.16	121.49	590.51	-1,117.79	377.94	320.44	57.50	6.573			
12,100.00	11,956.69	11,940.00	11,929.07	19.93	39.17	121.50	592.89	-1,117.53	402.87	345.21	57.67	6.986			
12,150.00	11,990.68	11,954.83	11,943.73	19.91	39.17	120.12	595.07	-1,117.35	432.62	374.77	57.85	7.478			
12,200.00	12,021.34	11,964.46	11,953.18	19.91	39.17	117.32	596.91	-1,117.27	466.79	408.74	58.05	8.041			
12,250.00	12,048.45	11,971.32	11,959.88	19.91	39.18	113.15	598.42	-1,117.23	504.57	446.32	58.25	8.662			
12,300.00	12,071.80	11,987.00	11,975.02	19.92	39.18	109.37	602.48	-1,117.21	545.46	486.99	58.47	9.329			
12,350.00	12,091.21	11,987.00	11,975.02	19.96	39.18	101.58	602.48	-1,117.21	587.96	529.30	58.66	10.023			
12,400.00	12,106.53	11,987.00	11,975.02	20.00	39.18	92.38	602.48	-1,117.21	631.97	573.12	58.84	10.740			
12,450.00	12,117.64	11,987.00	11,975.02	20.07	39.18	82.18	602.48	-1,117.21	676.88	617.85	59.03	11.467			
12,500.00	12,124.47	11,987.00	11,975.02	20.15	39.18	71.72	602.48	-1,117.21	722.22	663.02	59.20	12.200			
12,548.47	12,126.94	11,987.00	11,975.02	20.25	39.18	62.09	602.48	-1,117.21	766.22	706.86	59.36	12.909			
12,600.00	12,127.39	11,987.00	11,975.02	20.37	39.18	62.09	602.48	-1,117.21	813.19	753.68	59.51	13.666			
12,700.00	12,128.26	11,965.73	11,954.42	20.66	39.17	58.97	597.18	-1,117.26	904.71	844.95	59.76	15.139			
12,800.00	12,129.13	11,961.26	11,950.05	21.01	39.17	58.34	596.26	-1,117.29	998.26	938.28	59.98	16.644			
12,900.00	12,130.00	11,940.00	11,929.07	21.42	39.17	55.42	592.89	-1,117.53	1,093.56	1,033.39	60.17	18.174			
13,000.00	12,130.87	11,940.00	11,929.07	21.89	39.17	55.42	592.89	-1,117.53	1,188.76	1,128.43	60.33	19.704			
13,100.00	12,131.74	11,940.00	11,929.07	22.42	39.17	55.42	592.89	-1,117.53	1,284.70	1,224.23	60.47	21.245			
13,200.00	12,132.61	11,940.00	11,929.07	23.02	39.17	55.42	592.89	-1,117.53	1,381.21	1,320.62	60.59	22.794			
13,300.00	12,133.48	11,940.00	11,929.07	23.67	39.17	55.42	592.89	-1,117.53	1,478.19	1,417.48	60.71	24.350			
13,400.00	12,134.35	11,940.00	11,929.07	24.38	39.17	55.42	592.89	-1,117.53	1,575.54	1,514.74	60.81	25.911			
13,500.00	12,135.23	11,940.00	11,929.07	25.14	39.17	55.42	592.89	-1,117.53	1,673.21	1,612.31	60.90	27.475			
13,600.00	12,136.10	11,940.00	11,929.07	25.95	39.17	55.42	592.89	-1,117.53	1,771.13	1,710.15	60.99	29.042			
13,700.00	12,136.97	11,940.00	11,929.07	26.81	39.17	55.42	592.89	-1,117.53	1,869.28	1,808.21	61.07	30.610			

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - (O) Montera Federal Com 601H - OH - OH

Survey Program: 100-3_Gyro-NS-CT_OWSG, 11116-3_MWD												Offset Site Error:	0.00 usft
Reference												Offset Well Error:	0.00 usft
Measured Vertical												Rule Assigned:	
Depth	Depth	Measured	Vertical	Semi Major Axis	Offset	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning
Depth	Depth	Depth	Depth	Reference	Offset	Toolface	+N/-S	+E/-W	Between	Between	Separation	Factor	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	(usft)		
									(usft)	(usft)	(usft)		
13,800.00	12,137.84	11,940.00	11,929.07	27.70	39.17	55.42	592.89	-1,117.53	1,967.61	1,906.47	61.15	32.179	
13,900.00	12,138.71	11,940.00	11,929.07	28.64	39.17	55.42	592.89	-1,117.53	2,066.11	2,004.88	61.22	33.748	
14,000.00	12,139.58	11,940.00	11,929.07	29.60	39.17	55.42	592.89	-1,117.53	2,164.74	2,103.44	61.30	35.316	
14,100.00	12,140.45	11,940.00	11,929.07	30.60	39.17	55.42	592.89	-1,117.53	2,263.49	2,202.12	61.37	36.883	
14,200.00	12,141.32	11,940.00	11,929.07	31.63	39.17	55.42	592.89	-1,117.53	2,362.34	2,300.90	61.44	38.449	

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)					
0.00	0.00	0.00	0.00	0.50	0.50	0.00	185.00	0.00	185.00	185.00					
100.00	100.00	99.00	99.00	0.98	0.97	0.00	185.00	0.00	185.00	183.05	1.95	94.633			
200.00	200.00	199.00	199.00	1.56	1.56	0.00	185.00	0.00	185.00	181.88	3.12	59.366			
300.00	300.00	299.00	299.00	1.98	1.98	0.00	185.00	0.00	185.00	181.04	3.96	46.740			
400.00	400.00	399.00	399.00	2.33	2.33	0.00	185.00	0.00	185.00	180.34	4.66	39.739			
500.00	500.00	499.00	499.00	2.63	2.63	0.00	185.00	0.00	185.00	179.73	5.27	35.131			
600.00	600.00	599.00	599.00	2.91	2.91	0.00	185.00	0.00	185.00	179.18	5.82	31.801			
700.00	700.00	699.00	699.00	3.16	3.16	0.00	185.00	0.00	185.00	178.67	6.33	29.249			
800.00	800.00	799.00	799.00	3.40	3.40	0.00	185.00	0.00	185.00	178.20	6.80	27.211	CC, ES		
900.00	900.00	896.52	896.51	3.62	3.67	0.32	185.64	1.04	185.66	178.41	7.25	25.604			
1,000.00	1,000.00	993.88	993.80	3.84	3.92	1.28	187.59	4.18	187.71	180.03	7.68	24.443			
1,100.00	1,100.00	1,090.99	1,090.71	4.04	4.16	2.82	190.84	9.42	191.25	183.16	8.09	23.635			
1,200.00	1,200.00	1,189.41	1,188.77	4.23	4.28	4.83	195.23	16.51	196.20	187.80	8.40	23.356			
1,300.00	1,300.00	1,289.03	1,288.01	4.42	4.47	6.82	199.81	23.89	201.53	192.75	8.78	22.952			
1,400.00	1,400.00	1,388.65	1,387.25	4.60	4.66	8.70	204.39	31.27	207.10	197.94	9.16	22.611			
1,500.00	1,499.99	1,488.23	1,486.45	4.77	4.85	70.58	208.96	38.64	212.58	203.05	9.53	22.316			
1,600.00	1,599.96	1,587.70	1,585.55	4.94	5.04	72.86	213.53	46.01	217.79	207.91	9.88	22.037			
1,700.00	1,699.86	1,687.05	1,684.52	5.10	5.23	75.46	218.09	53.37	222.91	212.67	10.24	21.775			
1,800.00	1,799.68	1,786.23	1,783.32	5.26	5.42	78.35	222.65	60.72	228.12	217.54	10.59	21.545			
1,900.00	1,899.37	1,885.22	1,881.93	5.43	5.61	81.51	227.19	68.05	233.66	222.72	10.94	21.360			
2,000.00	1,998.90	1,983.98	1,980.32	5.59	5.79	84.91	231.73	75.36	239.75	228.46	11.29	21.237			
2,100.00	2,098.26	2,082.49	2,078.46	5.76	5.98	88.51	236.25	82.66	246.63	234.99	11.64	21.187			
2,200.00	2,197.40	2,180.72	2,176.32	5.93	6.17	92.27	240.76	89.94	254.55	242.55	12.00	21.212			
2,300.00	2,296.30	2,275.58	2,270.77	6.10	6.34	96.04	245.35	97.34	264.18	251.84	12.34	21.404			
2,400.00	2,394.93	2,368.65	2,363.30	6.27	6.51	99.87	250.63	105.85	276.80	264.12	12.69	21.821			
2,500.00	2,493.26	2,460.74	2,454.68	6.45	6.69	103.67	256.63	115.52	292.70	279.67	13.03	22.462			
2,600.00	2,591.25	2,551.74	2,544.79	6.63	6.87	107.34	263.31	126.31	312.04	298.66	13.38	23.325			
2,700.00	2,688.87	2,641.57	2,633.54	6.82	7.04	110.79	270.65	138.15	334.88	321.16	13.73	24.398			
2,725.46	2,713.67	2,664.25	2,655.90	6.85	7.08	111.63	272.62	141.33	341.26	327.47	13.79	24.739			
2,800.00	2,786.22	2,730.28	2,720.95	6.98	7.21	114.11	278.62	151.00	361.03	347.00	14.03	25.735			
2,900.00	2,883.56	2,818.16	2,807.30	7.20	7.39	117.05	287.22	164.87	389.85	375.48	14.38	27.119			
3,000.00	2,980.90	2,905.29	2,892.66	7.43	7.57	119.57	296.43	179.72	421.05	406.33	14.72	28.597			
3,100.00	3,078.23	2,998.25	2,983.59	7.66	7.75	121.91	306.60	196.14	453.69	438.58	15.10	30.040			
3,200.00	3,175.57	3,091.22	3,074.52	7.90	7.93	123.93	316.78	212.56	486.93	471.44	15.49	31.436			
3,300.00	3,272.90	3,184.18	3,165.46	8.15	8.12	125.71	326.96	228.99	520.65	504.77	15.88	32.789			
3,400.00	3,370.24	3,277.14	3,256.39	8.40	8.31	127.27	337.14	245.41	554.77	538.50	16.27	34.097			
3,500.00	3,467.58	3,370.11	3,347.32	8.65	8.50	128.65	347.32	261.83	589.22	572.56	16.67	35.357			
3,600.00	3,564.91	3,463.07	3,438.26	8.91	8.70	129.88	357.50	278.25	623.95	606.89	17.06	36.569			
3,700.00	3,662.25	3,556.03	3,529.19	9.17	8.89	130.98	367.68	294.67	658.90	641.44	17.46	37.734			
3,800.00	3,759.58	3,649.00	3,620.12	9.43	9.10	131.98	377.86	311.09	694.05	676.19	17.86	38.853			
3,900.00	3,856.92	3,741.96	3,711.06	9.70	9.30	132.87	388.04	327.51	729.37	711.10	18.27	39.927			
4,000.00	3,954.26	3,834.93	3,801.99	9.97	9.52	133.69	398.22	343.94	764.84	746.16	18.67	40.957			
4,100.00	4,051.59	3,927.89	3,892.92	10.24	9.74	134.44	408.40	360.36	800.42	781.34	19.08	41.946			
4,200.00	4,148.93	4,020.85	3,983.86	10.52	9.96	135.12	418.58	376.78	836.12	816.63	19.49	42.906			
4,300.00	4,246.26	4,122.28	4,083.14	10.80	10.17	135.81	429.53	394.44	871.67	851.76	19.91	43.786			
4,400.00	4,343.60	4,231.79	4,190.68	11.08	10.43	136.53	440.40	411.97	905.81	885.42	20.39	44.418			
4,500.00	4,440.94	4,342.56	4,299.85	11.36	10.68	137.24	450.29	427.92	938.35	917.48	20.87	44.954			
4,600.00	4,538.27	4,454.54	4,410.56	11.64	10.92	137.96	459.15	442.22	969.28	947.93	21.35	45.403			
4,700.00	4,635.61	4,567.66	4,522.70	11.92	11.14	138.68	466.95	454.80	998.58	976.76	21.82	45.774			
4,800.00	4,732.95	4,681.83	4,636.17	12.21	11.34	139.42	473.63	465.58	1,026.23	1,003.95	22.27	46.075			
4,900.00	4,830.28	4,797.00	4,750.85	12.49	11.54	140.16	479.17	474.51	1,052.22	1,029.50	22.72	46.313			
5,000.00	4,927.62	4,913.07	4,866.63	12.78	11.71	140.92	483.51	481.52	1,076.55	1,053.40	23.15	46.498			

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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		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)		
5,100.00	5,024.95	5,029.97	4,983.37	13.07	11.87	141.69	486.64	486.56	1,099.21	1,075.64	23.57	46.640
5,200.00	5,122.29	5,147.59	5,100.94	13.36	12.02	142.49	488.52	489.60	1,120.21	1,096.25	23.97	46.742
5,300.00	5,219.63	5,265.86	5,219.20	13.65	12.13	143.31	489.13	490.58	1,139.55	1,115.24	24.31	46.882
5,400.00	5,316.96	5,362.62	5,315.96	13.95	12.20	143.98	489.13	490.58	1,158.19	1,133.61	24.58	47.118
5,500.00	5,414.30	5,459.96	5,413.30	14.24	12.28	144.63	489.13	490.58	1,176.98	1,152.11	24.87	47.324
5,574.00	5,486.33	5,531.99	5,485.33	14.44	12.33	145.10	489.13	490.58	1,190.97	1,165.90	25.07	47.502
5,600.00	5,511.65	5,557.31	5,510.65	14.51	12.35	145.29	489.13	490.58	1,195.86	1,170.73	25.14	47.575
5,700.00	5,609.28	5,654.94	5,608.28	14.79	12.43	145.97	489.13	490.58	1,213.85	1,188.43	25.42	47.748
5,800.00	5,707.27	5,752.93	5,706.27	15.06	12.51	146.57	489.13	490.58	1,230.53	1,204.83	25.70	47.876
5,900.00	5,805.60	5,851.26	5,804.60	15.31	12.59	147.12	489.13	490.58	1,245.86	1,219.88	25.98	47.960
6,000.00	5,904.23	5,949.89	5,903.23	15.54	12.67	147.60	489.13	490.58	1,259.80	1,233.56	26.25	48.000
6,100.00	6,003.13	6,048.79	6,002.13	15.75	12.75	148.02	489.13	490.58	1,272.34	1,245.83	26.51	47.997
6,200.00	6,102.27	6,147.93	6,101.27	15.95	12.83	148.39	489.13	490.58	1,283.45	1,256.69	26.77	47.951
6,300.00	6,201.63	6,247.29	6,200.63	16.13	12.91	148.70	489.13	490.58	1,293.12	1,266.10	27.02	47.864
6,400.00	6,301.17	6,346.83	6,300.17	16.29	12.99	148.96	489.13	490.58	1,301.32	1,274.06	27.26	47.738
6,500.00	6,400.86	6,446.52	6,399.86	16.43	13.07	149.17	489.13	490.58	1,308.05	1,280.55	27.50	47.572
6,600.00	6,500.67	6,546.33	6,499.67	16.56	13.15	149.34	489.13	490.58	1,313.29	1,285.57	27.72	47.371
6,700.00	6,600.58	6,646.24	6,599.58	16.67	13.23	149.45	489.13	490.58	1,317.04	1,289.10	27.94	47.135
6,800.00	6,700.54	6,746.20	6,699.54	16.76	13.31	149.52	489.13	490.58	1,319.29	1,291.14	28.15	46.869
6,899.47	6,800.00	6,845.66	6,799.00	16.83	13.40	89.61	489.13	490.58	1,320.03	1,291.71	28.32	46.614
6,900.00	6,800.54	6,846.20	6,799.54	16.83	13.40	89.61	489.13	490.58	1,320.03	1,291.71	28.32	46.613
7,000.00	6,900.54	6,946.20	6,899.54	16.90	13.48	89.61	489.13	490.58	1,320.03	1,291.57	28.46	46.379
7,100.00	7,000.54	7,046.20	6,999.54	16.96	13.56	89.61	489.13	490.58	1,320.03	1,291.43	28.60	46.147
7,200.00	7,100.54	7,146.20	7,099.54	17.02	13.64	89.61	489.13	490.58	1,320.03	1,291.28	28.75	45.918
7,300.00	7,200.54	7,246.20	7,199.54	17.09	13.72	89.61	489.13	490.58	1,320.03	1,291.14	28.89	45.690
7,400.00	7,300.54	7,346.20	7,299.54	17.15	13.80	89.61	489.13	490.58	1,320.03	1,291.00	29.03	45.465
7,500.00	7,400.54	7,446.20	7,399.54	17.22	13.88	89.61	489.13	490.58	1,320.03	1,290.85	29.18	45.241
7,600.00	7,500.54	7,546.20	7,499.54	17.28	13.96	89.61	489.13	490.58	1,320.03	1,290.71	29.32	45.019
7,700.00	7,600.54	7,646.20	7,599.54	17.35	14.04	89.61	489.13	490.58	1,320.03	1,290.56	29.47	44.799
7,800.00	7,700.54	7,746.20	7,699.54	17.41	14.12	89.61	489.13	490.58	1,320.03	1,290.42	29.61	44.581
7,900.00	7,800.54	7,846.20	7,799.54	17.48	14.21	89.61	489.13	490.58	1,320.03	1,290.28	29.75	44.365
8,000.00	7,900.54	7,946.20	7,899.54	17.54	14.29	89.61	489.13	490.58	1,320.03	1,290.13	29.90	44.150
8,100.00	8,000.54	8,046.20	7,999.54	17.61	14.37	89.61	489.13	490.58	1,320.03	1,289.99	30.04	43.937
8,200.00	8,100.54	8,146.20	8,099.54	17.67	14.45	89.61	489.13	490.58	1,320.03	1,289.84	30.19	43.727
8,300.00	8,200.54	8,246.20	8,199.54	17.74	14.53	89.61	489.13	490.58	1,320.03	1,289.70	30.33	43.517
8,400.00	8,300.54	8,346.20	8,299.54	17.80	14.61	89.61	489.13	490.58	1,320.03	1,289.55	30.48	43.310
8,500.00	8,400.54	8,446.20	8,399.54	17.87	14.69	89.61	489.13	490.58	1,320.03	1,289.41	30.62	43.104
8,600.00	8,500.54	8,546.20	8,499.54	17.94	14.77	89.61	489.13	490.58	1,320.03	1,289.26	30.77	42.900
8,700.00	8,600.54	8,646.20	8,599.54	18.00	14.85	89.61	489.13	490.58	1,320.03	1,289.12	30.92	42.698
8,800.00	8,700.54	8,746.20	8,699.54	18.07	14.93	89.61	489.13	490.58	1,320.03	1,288.97	31.06	42.498
8,900.00	8,800.54	8,846.20	8,799.54	18.14	15.02	89.61	489.13	490.58	1,320.03	1,288.82	31.21	42.299
9,000.00	8,900.54	8,946.20	8,899.54	18.20	15.10	89.61	489.13	490.58	1,320.03	1,288.68	31.35	42.101
9,100.00	9,000.54	9,046.20	8,999.54	18.27	15.18	89.61	489.13	490.58	1,320.03	1,288.53	31.50	41.906
9,200.00	9,100.54	9,146.20	9,099.54	18.34	15.26	89.61	489.13	490.58	1,320.03	1,288.38	31.65	41.712
9,300.00	9,200.54	9,246.20	9,199.54	18.40	15.34	89.61	489.13	490.58	1,320.03	1,288.24	31.79	41.519
9,400.00	9,300.54	9,346.20	9,299.54	18.47	15.42	89.61	489.13	490.58	1,320.03	1,288.09	31.94	41.328
9,500.00	9,400.54	9,446.20	9,399.54	18.54	15.50	89.61	489.13	490.58	1,320.03	1,287.94	32.09	41.139
9,600.00	9,500.54	9,546.20	9,499.54	18.60	15.58	89.61	489.13	490.58	1,320.03	1,287.80	32.23	40.951
9,700.00	9,600.54	9,646.20	9,599.54	18.67	15.67	89.61	489.13	490.58	1,320.03	1,287.65	32.38	40.765
9,800.00	9,700.54	9,746.20	9,699.54	18.74	15.75	89.61	489.13	490.58	1,320.03	1,287.50	32.53	40.580
9,900.00	9,800.54	9,846.20	9,799.54	18.81	15.83	89.61	489.13	490.58	1,320.03	1,287.35	32.68	40.397
10,000.00	9,900.54	9,946.20	9,899.54	18.88	15.91	89.61	489.13	490.58	1,320.03	1,287.21	32.82	40.215

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)		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)	Between Centres (usft)	Between Ellipses (usft)			
19,400.00	12,186.62	19,343.81	12,185.62	97.59	99.18	-90.00	-6,927.44	554.44	1,320.05	1,123.99	196.05	6.733			
19,500.00	12,187.49	19,443.81	12,186.49	98.93	100.53	-90.00	-7,027.43	555.30	1,320.05	1,121.29	198.75	6.642			
19,600.00	12,188.36	19,543.81	12,187.36	100.28	101.88	-90.00	-7,127.43	556.16	1,320.05	1,118.59	201.45	6.553			
19,700.00	12,189.24	19,643.81	12,188.23	101.62	103.23	-90.00	-7,227.42	557.02	1,320.05	1,115.89	204.16	6.466			
19,800.00	12,190.11	19,743.81	12,189.11	102.96	104.58	-90.00	-7,327.41	557.88	1,320.05	1,113.19	206.86	6.381			
19,900.00	12,190.98	19,843.81	12,189.98	104.30	105.93	-90.00	-7,427.40	558.75	1,320.05	1,110.48	209.56	6.299			
20,000.00	12,191.85	19,943.81	12,190.85	105.65	107.28	-90.00	-7,527.40	559.61	1,320.05	1,107.78	212.27	6.219			
20,100.00	12,192.72	20,043.81	12,191.72	106.99	108.63	-90.00	-7,627.39	560.47	1,320.05	1,105.07	214.97	6.140			
20,200.00	12,193.59	20,143.81	12,192.59	108.34	109.99	-90.00	-7,727.38	561.33	1,320.05	1,102.37	217.68	6.064			
20,300.00	12,194.46	20,243.81	12,193.46	109.69	111.34	-90.00	-7,827.37	562.19	1,320.05	1,099.66	220.39	5.990			
20,400.00	12,195.33	20,343.81	12,194.33	111.03	112.69	-90.00	-7,927.37	563.05	1,320.05	1,096.95	223.10	5.917			
20,500.00	12,196.20	20,443.81	12,195.20	112.38	114.05	-90.00	-8,027.36	563.91	1,320.05	1,094.24	225.81	5.846			
20,600.00	12,197.08	20,543.81	12,196.08	113.73	115.40	-90.00	-8,127.35	564.77	1,320.05	1,091.53	228.52	5.777			
20,700.00	12,197.95	20,643.81	12,196.95	115.08	116.75	-90.00	-8,227.34	565.63	1,320.05	1,088.82	231.23	5.709			
20,800.00	12,198.82	20,743.81	12,197.82	116.43	118.11	-90.00	-8,327.34	566.49	1,320.05	1,086.11	233.94	5.643			
20,900.00	12,199.69	20,843.81	12,198.69	117.78	119.46	-90.00	-8,427.33	567.36	1,320.05	1,083.40	236.65	5.578			
21,000.00	12,200.56	20,943.81	12,199.56	119.13	120.82	-90.00	-8,527.32	568.22	1,320.05	1,080.69	239.36	5.515			
21,100.00	12,201.43	21,043.81	12,200.43	120.48	122.18	-90.00	-8,627.31	569.08	1,320.05	1,077.98	242.08	5.453			
21,200.00	12,202.30	21,143.81	12,201.30	121.83	123.53	-90.00	-8,727.31	569.94	1,320.05	1,075.26	244.79	5.393			
21,300.00	12,203.17	21,243.81	12,202.18	123.18	124.89	-90.00	-8,827.30	570.80	1,320.05	1,072.55	247.50	5.333			
21,400.00	12,204.04	21,343.81	12,203.05	124.53	126.24	-90.00	-8,927.29	571.66	1,320.05	1,069.83	250.22	5.276			
21,500.00	12,204.92	21,443.81	12,203.92	125.88	127.60	-90.00	-9,027.28	572.52	1,320.05	1,067.12	252.93	5.219			
21,600.00	12,205.79	21,543.81	12,204.79	127.24	128.96	-90.00	-9,127.28	573.38	1,320.05	1,064.40	255.65	5.164			
21,700.00	12,206.66	21,643.81	12,205.66	128.59	130.32	-90.00	-9,227.27	574.24	1,320.05	1,061.69	258.37	5.109			
21,800.00	12,207.53	21,743.81	12,206.53	129.94	131.67	-90.00	-9,327.26	575.10	1,320.05	1,058.97	261.08	5.056			
21,900.00	12,208.40	21,843.81	12,207.40	131.30	133.03	-90.00	-9,427.25	575.97	1,320.05	1,056.25	263.80	5.004			
22,000.00	12,209.27	21,943.81	12,208.28	132.65	134.39	-90.00	-9,527.25	576.83	1,320.05	1,053.54	266.52	4.953			
22,100.00	12,210.14	22,043.81	12,209.15	134.01	135.75	-90.00	-9,627.24	577.69	1,320.05	1,050.82	269.24	4.903			
22,200.00	12,211.01	22,143.81	12,210.02	135.36	137.11	-90.00	-9,727.23	578.55	1,320.05	1,048.10	271.95	4.854			
22,300.00	12,211.88	22,243.81	12,210.89	136.71	138.47	-90.00	-9,827.22	579.41	1,320.05	1,045.38	274.67	4.806			
22,400.00	12,212.76	22,343.81	12,211.76	138.07	139.83	-90.00	-9,927.22	580.27	1,320.05	1,042.66	277.39	4.759			
22,409.10	12,212.84	22,352.91	12,211.84	138.19	139.95	-90.00	-9,936.32	580.35	1,320.05	1,042.41	277.64	4.755			
22,485.42	12,213.50	22,428.60	12,212.50	139.23	140.94	-90.00	-10,012.00	581.00	1,320.05	1,040.39	279.66	4.720			
22,485.80	12,213.50	22,428.60	12,212.50	139.26	140.94	-90.00	-10,012.00	581.00	1,320.05	1,040.39	279.67	4.720	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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)												Offset Site Error:	0.00 usft
Reference												Offset Well Error:	0.50 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
+N/-S (usft)	+E/-W (usft)												
1,900.00	1,899.37	2,232.57	2,220.49	5.43	6.18	127.49	943.98	2,194.06	2,422.70	2,411.19	11.52	210.354	
2,000.00	1,998.90	2,330.99	2,317.70	5.59	6.38	127.93	931.25	2,185.41	2,415.37	2,403.50	11.88	203.374	
2,100.00	2,098.26	2,429.25	2,414.75	5.76	6.57	128.39	918.54	2,176.77	2,409.23	2,396.99	12.24	196.868	
2,200.00	2,197.40	2,527.32	2,511.61	5.93	6.76	128.87	905.86	2,168.15	2,404.31	2,391.71	12.60	190.786	
2,300.00	2,296.30	2,625.18	2,608.26	6.10	6.95	129.37	893.21	2,159.55	2,400.64	2,387.67	12.97	185.087	
2,400.00	2,394.93	2,722.78	2,704.66	6.27	7.15	129.89	880.58	2,150.97	2,398.26	2,384.92	13.34	179.734	
2,500.00	2,493.26	2,820.10	2,800.78	6.45	7.34	130.44	868.00	2,142.42	2,397.21	2,383.49	13.72	174.696	
2,527.46	2,520.20	2,846.77	2,827.13	6.50	7.39	130.59	864.55	2,140.07	2,397.16	2,383.33	13.83	173.357	CC, ES
2,600.00	2,591.25	2,917.11	2,896.60	6.63	7.54	131.00	855.45	2,133.89	2,397.52	2,383.41	14.11	169.942	
2,700.00	2,688.87	3,013.78	2,992.08	6.82	7.75	131.57	842.95	2,125.39	2,399.24	2,384.73	14.50	165.450	
2,725.46	2,713.67	3,038.34	3,016.34	6.85	7.80	131.72	839.77	2,123.23	2,399.90	2,385.32	14.58	164.585	
2,800.00	2,786.22	3,110.19	3,087.31	6.98	7.96	132.18	830.48	2,116.92	2,402.07	2,387.21	14.85	161.705	
2,900.00	2,883.56	3,206.59	3,182.52	7.20	8.18	132.78	818.02	2,108.44	2,405.23	2,389.97	15.26	157.608	
3,000.00	2,980.90	3,302.98	3,277.73	7.43	8.39	133.39	805.55	2,099.97	2,408.68	2,393.01	15.67	153.699	
3,100.00	3,078.23	3,399.38	3,372.94	7.66	8.61	133.99	793.08	2,091.49	2,412.42	2,396.34	16.09	149.972	
3,200.00	3,175.57	3,495.78	3,468.15	7.90	8.83	134.60	780.62	2,083.02	2,416.45	2,399.95	16.50	146.420	
3,300.00	3,272.90	3,592.18	3,563.36	8.15	9.04	135.20	768.15	2,074.55	2,420.76	2,403.84	16.92	143.035	
3,400.00	3,370.24	3,688.57	3,658.58	8.40	9.26	135.80	755.68	2,066.07	2,425.36	2,408.01	17.35	139.810	
3,500.00	3,467.58	3,784.97	3,753.79	8.65	9.48	136.39	743.22	2,057.60	2,430.24	2,412.46	17.77	136.738	SF

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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:

Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis 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	0.00	0.00	0.50	0.50	0.00	25.00	0.00	25.02				
100.00	100.00	99.00	99.00	0.98	0.97	0.00	25.00	0.00	25.00	23.05	1.95	12.788	
200.00	200.00	199.00	199.00	1.56	1.56	0.00	25.00	0.00	25.00	21.88	3.12	8.022	
300.00	300.00	299.00	299.00	1.98	1.98	0.00	25.00	0.00	25.00	21.04	3.96	6.316	
400.00	400.00	399.00	399.00	2.33	2.33	0.00	25.00	0.00	25.00	20.34	4.66	5.370	
500.00	500.00	499.00	499.00	2.63	2.63	0.00	25.00	0.00	25.00	19.73	5.27	4.747	
600.00	600.00	599.00	599.00	2.91	2.91	0.00	25.00	0.00	25.00	19.18	5.82	4.297	
700.00	700.00	699.00	699.00	3.16	3.16	0.00	25.00	0.00	25.00	18.67	6.33	3.953	
800.00	800.00	799.00	799.00	3.40	3.40	0.00	25.00	0.00	25.00	18.20	6.80	3.677	CC, ES
900.00	900.00	898.37	898.36	3.62	3.67	-0.96	26.19	-0.44	26.20	18.91	7.29	3.593	
1,000.00	1,000.00	997.61	997.52	3.84	3.94	-3.39	29.80	-1.77	29.88	22.13	7.76	3.852	
1,100.00	1,100.00	1,097.45	1,097.23	4.04	4.14	-5.88	34.70	-3.57	34.93	26.76	8.17	4.277	
1,200.00	1,200.00	1,197.32	1,196.96	4.23	4.34	-7.74	39.60	-5.38	40.02	31.46	8.56	4.674	
1,300.00	1,300.00	1,296.64	1,296.13	4.42	4.45	-9.24	44.74	-7.28	45.42	36.57	8.85	5.131	
1,400.00	1,400.00	1,395.10	1,394.29	4.60	4.68	-10.81	51.88	-9.91	53.03	43.77	9.26	5.728	
1,500.00	1,499.99	1,493.17	1,491.83	4.77	4.92	48.13	61.35	-13.40	62.62	52.97	9.65	6.491	
1,600.00	1,599.96	1,591.61	1,589.49	4.94	5.04	48.12	73.00	-17.69	73.36	63.44	9.92	7.397	
1,700.00	1,699.86	1,691.10	1,688.12	5.10	5.23	48.95	85.19	-22.18	83.39	73.12	10.27	8.121	
1,800.00	1,799.68	1,790.67	1,786.84	5.26	5.42	50.43	97.38	-26.68	92.32	81.70	10.63	8.688	
1,900.00	1,899.37	1,890.29	1,885.62	5.43	5.62	52.42	109.59	-31.18	100.24	89.26	10.98	9.128	
2,000.00	1,998.90	1,989.94	1,984.41	5.59	5.81	54.87	121.79	-35.68	107.26	95.92	11.34	9.462	
2,100.00	2,098.26	2,089.59	2,083.20	5.76	6.01	57.75	133.99	-40.18	113.52	101.83	11.69	9.713	
2,200.00	2,197.40	2,189.19	2,181.96	5.93	6.20	61.05	146.19	-44.67	119.19	107.15	12.04	9.900	
2,300.00	2,296.30	2,288.73	2,280.64	6.10	6.40	64.75	158.39	-49.17	124.48	112.09	12.39	10.046	
2,400.00	2,394.93	2,388.17	2,379.23	6.27	6.59	68.85	170.56	-53.66	129.63	116.88	12.74	10.173	
2,500.00	2,493.26	2,487.49	2,477.70	6.45	6.79	73.30	182.73	-58.14	134.89	121.79	13.10	10.299	
2,600.00	2,591.25	2,586.64	2,576.00	6.63	6.98	78.07	194.87	-62.62	140.56	127.11	13.46	10.447	
2,700.00	2,688.87	2,685.61	2,674.12	6.82	7.17	83.09	206.99	-67.08	146.94	133.12	13.82	10.633	
2,725.46	2,713.67	2,710.78	2,699.08	6.85	7.22	84.40	210.08	-68.22	148.71	134.82	13.89	10.705	
2,800.00	2,786.22	2,784.42	2,772.09	6.98	7.36	88.17	219.10	-71.55	154.34	140.20	14.14	10.912	
2,900.00	2,883.56	2,883.23	2,870.05	7.20	7.55	92.78	231.20	-76.01	162.87	148.34	14.52	11.213	
3,000.00	2,980.90	2,982.03	2,968.01	7.43	7.75	96.93	243.30	-80.47	172.35	157.44	14.91	11.559	
3,100.00	3,078.23	3,080.84	3,065.97	7.66	7.94	100.62	255.40	-84.93	182.64	167.34	15.30	11.937	
3,200.00	3,175.57	3,179.64	3,163.93	7.90	8.13	103.92	267.50	-89.39	193.61	177.91	15.69	12.336	
3,300.00	3,272.90	3,278.45	3,261.90	8.15	8.32	106.86	279.60	-93.85	205.15	189.06	16.09	12.748	
3,400.00	3,370.24	3,377.26	3,359.86	8.40	8.51	109.48	291.71	-98.31	217.17	200.68	16.49	13.168	
3,500.00	3,467.58	3,476.06	3,457.82	8.65	8.71	111.83	303.81	-102.77	229.60	212.70	16.90	13.589	
3,600.00	3,564.91	3,574.87	3,555.78	8.91	8.90	113.93	315.91	-107.23	242.37	225.07	17.30	14.009	
3,700.00	3,662.25	3,673.67	3,653.74	9.17	9.09	115.82	328.01	-111.69	255.43	237.72	17.71	14.425	
3,800.00	3,759.58	3,772.48	3,751.70	9.43	9.28	117.53	340.11	-116.15	268.74	250.62	18.12	14.834	
3,900.00	3,856.92	3,871.29	3,849.66	9.70	9.47	119.08	352.21	-120.62	282.26	263.74	18.53	15.236	
4,000.00	3,954.26	3,970.09	3,947.62	9.97	9.66	120.48	364.32	-125.08	295.97	277.03	18.94	15.629	
4,100.00	4,051.59	4,068.90	4,045.58	10.24	9.85	121.76	376.42	-129.54	309.83	290.49	19.35	16.013	
4,200.00	4,148.93	4,167.70	4,143.54	10.52	10.05	122.93	388.52	-134.00	323.84	304.08	19.76	16.388	
4,300.00	4,246.26	4,266.51	4,241.50	10.80	10.24	124.00	400.62	-138.46	337.97	317.79	20.17	16.752	
4,400.00	4,343.60	4,365.32	4,339.46	11.08	10.43	124.99	412.72	-142.92	352.20	331.61	20.59	17.106	
4,500.00	4,440.94	4,464.12	4,437.42	11.36	10.62	125.90	424.82	-147.38	366.53	345.53	21.00	17.450	
4,600.00	4,538.27	4,562.93	4,535.38	11.64	10.81	126.74	436.93	-151.84	380.95	359.53	21.42	17.784	
4,700.00	4,635.61	4,661.73	4,633.34	11.92	11.00	127.52	449.03	-156.30	395.44	373.60	21.84	18.108	
4,800.00	4,732.95	4,760.61	4,731.43	12.21	11.20	128.31	460.72	-160.61	409.99	387.74	22.25	18.428	
4,900.00	4,830.28	4,859.26	4,829.56	12.49	11.40	129.36	470.21	-164.11	424.62	401.98	22.63	18.759	
5,000.00	4,927.62	4,957.46	4,927.46	12.78	11.59	130.67	477.29	-166.72	439.45	416.46	22.99	19.111	

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)	Major Axis (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,100.00	5,024.95	5,055.08	5,024.95	13.07	11.77	132.21	481.98	-168.45	454.63	431.31	23.33	19.490	
5,200.00	5,122.29	5,151.99	5,121.83	13.36	11.93	133.93	484.33	-169.32	470.33	446.70	23.63	19.903	
5,300.00	5,219.63	5,248.79	5,218.63	13.65	12.04	135.80	484.64	-169.43	486.69	462.78	23.92	20.350	
5,400.00	5,316.96	5,346.13	5,315.96	13.95	12.12	137.60	484.64	-169.43	503.59	479.40	24.19	20.815	
5,500.00	5,414.30	5,443.46	5,413.30	14.24	12.21	139.28	484.64	-169.43	520.95	496.48	24.47	21.285	
5,574.00	5,486.33	5,515.49	5,485.33	14.44	12.27	140.46	484.64	-169.43	534.07	509.40	24.67	21.649	
5,600.00	5,511.65	5,540.81	5,510.65	14.51	12.29	140.88	484.64	-169.43	538.68	513.95	24.73	21.781	
5,700.00	5,609.28	5,638.44	5,608.28	14.79	12.38	142.38	484.64	-169.43	555.80	530.79	25.01	22.222	
5,800.00	5,707.27	5,736.43	5,706.27	15.06	12.46	143.69	484.64	-169.43	571.84	546.55	25.29	22.614	
5,900.00	5,805.60	5,834.76	5,804.60	15.31	12.55	144.82	484.64	-169.43	586.71	561.15	25.56	22.955	
6,000.00	5,904.23	5,933.39	5,903.23	15.54	12.64	145.80	484.64	-169.43	600.33	574.51	25.83	23.244	
6,100.00	6,003.13	6,032.29	6,002.13	15.75	12.72	146.65	484.64	-169.43	612.65	586.56	26.09	23.481	
6,200.00	6,102.27	6,131.43	6,101.27	15.95	12.81	147.36	484.64	-169.43	623.62	597.27	26.35	23.666	
6,300.00	6,201.63	6,230.79	6,200.63	16.13	12.89	147.97	484.64	-169.43	633.20	606.59	26.61	23.800	
6,400.00	6,301.17	6,330.33	6,300.17	16.29	12.98	148.46	484.64	-169.43	641.35	614.49	26.85	23.883	
6,500.00	6,400.86	6,430.02	6,399.86	16.43	13.07	148.86	484.64	-169.43	648.04	620.95	27.10	23.916	
6,600.00	6,500.67	6,529.84	6,499.67	16.56	13.16	149.16	484.64	-169.43	653.27	625.94	27.33	23.902	
6,700.00	6,600.58	6,629.74	6,599.58	16.67	13.24	149.38	484.64	-169.43	657.02	629.46	27.56	23.842	
6,800.00	6,700.54	6,729.70	6,699.54	16.76	13.33	149.50	484.64	-169.43	659.26	631.49	27.77	23.738	
6,899.47	6,800.00	6,829.16	6,799.00	16.83	13.42	89.61	484.64	-169.43	660.01	632.05	27.95	23.612	
6,900.00	6,800.54	6,829.70	6,799.54	16.83	13.42	89.61	484.64	-169.43	660.01	632.05	27.95	23.612	
7,000.00	6,900.54	6,929.70	6,899.54	16.90	13.50	89.61	484.64	-169.43	660.01	631.90	28.10	23.484	
7,100.00	7,000.54	7,029.70	6,999.54	16.96	13.59	89.61	484.64	-169.43	660.01	631.75	28.26	23.357	
7,200.00	7,100.54	7,129.70	7,099.54	17.02	13.68	89.61	484.64	-169.43	660.01	631.60	28.41	23.232	
7,300.00	7,200.54	7,229.70	7,199.54	17.09	13.76	89.61	484.64	-169.43	660.01	631.44	28.56	23.108	
7,400.00	7,300.54	7,329.70	7,299.54	17.15	13.85	89.61	484.64	-169.43	660.01	631.29	28.71	22.985	
7,500.00	7,400.54	7,429.70	7,399.54	17.22	13.94	89.61	484.64	-169.43	660.01	631.14	28.87	22.864	
7,600.00	7,500.54	7,529.70	7,499.54	17.28	14.02	89.61	484.64	-169.43	660.01	630.99	29.02	22.744	
7,700.00	7,600.54	7,629.70	7,599.54	17.35	14.11	89.61	484.64	-169.43	660.01	630.83	29.17	22.625	
7,800.00	7,700.54	7,729.70	7,699.54	17.41	14.19	89.61	484.64	-169.43	660.01	630.68	29.32	22.507	
7,900.00	7,800.54	7,829.70	7,799.54	17.48	14.28	89.61	484.64	-169.43	660.01	630.53	29.48	22.390	
8,000.00	7,900.54	7,929.70	7,899.54	17.54	14.37	89.61	484.64	-169.43	660.01	630.37	29.63	22.275	
8,100.00	8,000.54	8,029.70	7,999.54	17.61	14.45	89.61	484.64	-169.43	660.01	630.22	29.78	22.160	
8,200.00	8,100.54	8,129.70	8,099.54	17.67	14.54	89.61	484.64	-169.43	660.01	630.07	29.94	22.047	
8,300.00	8,200.54	8,229.70	8,199.54	17.74	14.63	89.61	484.64	-169.43	660.01	629.92	30.09	21.935	
8,400.00	8,300.54	8,329.70	8,299.54	17.80	14.71	89.61	484.64	-169.43	660.01	629.76	30.24	21.824	
8,500.00	8,400.54	8,429.70	8,399.54	17.87	14.80	89.61	484.64	-169.43	660.01	629.61	30.40	21.714	
8,600.00	8,500.54	8,529.70	8,499.54	17.94	14.88	89.61	484.64	-169.43	660.01	629.46	30.55	21.605	
8,700.00	8,600.54	8,629.70	8,599.54	18.00	14.97	89.61	484.64	-169.43	660.01	629.30	30.70	21.497	
8,800.00	8,700.54	8,729.70	8,699.54	18.07	15.06	89.61	484.64	-169.43	660.01	629.15	30.86	21.390	
8,900.00	8,800.54	8,829.70	8,799.54	18.14	15.14	89.61	484.64	-169.43	660.01	629.00	31.01	21.284	
9,000.00	8,900.54	8,929.70	8,899.54	18.20	15.23	89.61	484.64	-169.43	660.01	628.84	31.16	21.179	
9,100.00	9,000.54	9,029.70	8,999.54	18.27	15.31	89.61	484.64	-169.43	660.01	628.69	31.32	21.075	
9,200.00	9,100.54	9,129.70	9,099.54	18.34	15.40	89.61	484.64	-169.43	660.01	628.53	31.47	20.972	
9,300.00	9,200.54	9,229.70	9,199.54	18.40	15.48	89.61	484.64	-169.43	660.01	628.38	31.63	20.870	
9,400.00	9,300.54	9,329.70	9,299.54	18.47	15.57	89.61	484.64	-169.43	660.01	628.23	31.78	20.769	
9,500.00	9,400.54	9,429.70	9,399.54	18.54	15.65	89.61	484.64	-169.43	660.01	628.07	31.93	20.668	
9,600.00	9,500.54	9,529.70	9,499.54	18.60	15.74	89.61	484.64	-169.43	660.01	627.92	32.09	20.569	
9,700.00	9,600.54	9,629.70	9,599.54	18.67	15.83	89.61	484.64	-169.43	660.01	627.76	32.24	20.471	
9,800.00	9,700.54	9,729.70	9,699.54	18.74	15.91	89.61	484.64	-169.43	660.01	627.61	32.40	20.373	
9,900.00	9,800.54	9,829.70	9,799.54	18.81	16.00	89.61	484.64	-169.43	660.01	627.46	32.55	20.277	
10,000.00	9,900.54	9,929.70	9,899.54	18.88	16.08	89.61	484.64	-169.43	660.01	627.30	32.70	20.181	

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 135H - OH - Plan 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)													Offset Well Error:	0.50 usft
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)						
10,100.00	10,000.54	10,029.70	9,999.54	18.94	16.17	89.61	484.64	-169.43	660.01	627.15	32.86	20.086		
10,200.00	10,100.54	10,129.70	10,099.54	19.01	16.25	89.61	484.64	-169.43	660.01	626.99	33.01	19.992		
10,300.00	10,200.54	10,229.70	10,199.54	19.08	16.34	89.61	484.64	-169.43	660.01	626.84	33.17	19.899		
10,400.00	10,300.54	10,329.70	10,299.54	19.15	16.42	89.61	484.64	-169.43	660.01	626.68	33.32	19.807		
10,500.00	10,400.54	10,429.70	10,399.54	19.22	16.51	89.61	484.64	-169.43	660.01	626.53	33.48	19.715		
10,600.00	10,500.54	10,529.70	10,499.54	19.28	16.59	89.61	484.64	-169.43	660.01	626.37	33.63	19.624		
10,700.00	10,600.54	10,629.70	10,599.54	19.35	16.68	89.61	484.64	-169.43	660.01	626.22	33.79	19.534		
10,800.00	10,700.54	10,729.70	10,699.54	19.42	16.76	89.61	484.64	-169.43	660.01	626.06	33.94	19.445		
10,900.00	10,800.54	10,829.70	10,799.54	19.49	16.85	89.61	484.64	-169.43	660.01	625.91	34.10	19.357		
11,000.00	10,900.54	10,929.70	10,899.54	19.56	16.93	89.61	484.64	-169.43	660.01	625.75	34.25	19.269		
11,100.00	11,000.54	11,029.70	10,999.54	19.63	17.02	89.61	484.64	-169.43	660.01	625.60	34.41	19.182		
11,200.00	11,100.54	11,129.70	11,099.54	19.70	17.10	89.61	484.64	-169.43	660.01	625.44	34.56	19.096		
11,300.00	11,200.54	11,229.70	11,199.54	19.77	17.19	89.61	484.64	-169.43	660.01	625.29	34.72	19.011		
11,400.00	11,300.54	11,329.70	11,299.54	19.84	17.27	89.61	484.64	-169.43	660.01	625.13	34.87	18.926		
11,500.00	11,400.54	11,429.70	11,399.54	19.91	17.36	89.61	484.64	-169.43	660.01	624.98	35.03	18.842		
11,600.00	11,500.54	11,529.70	11,499.54	19.98	17.44	89.61	484.64	-169.43	660.01	624.83	35.18	18.761		
11,608.22	11,508.75	11,537.92	11,507.75	19.98	17.45	89.61	484.64	-169.43	660.01	624.82	35.19	18.756		
11,653.47	11,554.00	11,583.16	11,553.00	20.00	17.48	89.61	484.64	-169.43	660.01	624.76	35.24	18.727		
11,700.00	11,600.48	11,629.59	11,599.37	20.03	17.49	-89.88	482.59	-169.41	660.01	624.78	35.22	18.738		
11,750.00	11,650.08	11,679.47	11,648.82	20.05	17.50	-89.87	476.23	-169.36	660.01	624.86	35.14	18.781		
11,800.00	11,698.94	11,729.33	11,697.52	20.05	17.51	-89.86	465.59	-169.27	660.01	624.98	35.02	18.845		
11,850.00	11,746.70	11,779.18	11,745.09	20.04	17.52	-89.84	450.76	-169.14	660.01	625.14	34.87	18.929		
11,900.00	11,793.00	11,829.01	11,791.19	20.02	17.52	-89.83	431.86	-168.98	660.01	625.33	34.68	19.031		
11,950.00	11,837.47	11,878.84	11,835.47	20.00	17.52	-89.82	409.04	-168.78	660.01	625.54	34.47	19.148		
12,000.00	11,879.79	11,928.66	11,877.58	19.98	17.53	-89.82	382.46	-168.55	660.01	625.77	34.24	19.278		
12,050.00	11,919.63	11,978.47	11,917.23	19.95	17.53	-89.81	352.32	-168.29	660.01	626.01	33.99	19.415		
12,100.00	11,956.69	12,028.28	11,954.10	19.93	17.53	-89.80	318.86	-168.00	660.01	626.26	33.75	19.556		
12,150.00	11,990.68	12,078.08	11,987.92	19.91	17.53	-89.80	282.33	-167.69	660.01	626.49	33.51	19.694		
12,200.00	12,021.34	12,127.88	12,018.45	19.91	17.53	-89.80	243.01	-167.35	660.01	626.71	33.29	19.823		
12,250.00	12,048.45	12,177.68	12,045.45	19.91	17.53	-89.80	201.18	-166.99	660.01	626.91	33.10	19.939		
12,300.00	12,071.80	12,227.48	12,068.71	19.92	17.54	-89.80	157.17	-166.61	660.01	627.06	32.95	20.034		
12,350.00	12,091.21	12,277.28	12,088.06	19.96	17.54	-89.80	111.31	-166.22	660.01	627.18	32.83	20.103		
12,400.00	12,106.53	12,327.08	12,103.36	20.00	17.55	-89.81	63.93	-165.81	660.01	627.24	32.77	20.142		
12,450.00	12,117.64	12,376.89	12,114.50	20.07	17.57	-89.81	15.40	-165.39	660.01	627.25	32.76	20.147		
12,500.00	12,124.47	12,426.70	12,121.37	20.15	17.59	-89.82	-33.92	-164.97	660.01	627.20	32.81	20.118		
12,548.47	12,126.94	12,475.00	12,123.92	20.25	17.61	-89.83	-82.13	-164.55	660.01	627.10	32.90	20.058		
12,550.42	12,126.95	12,476.94	12,123.94	20.26	17.61	-89.83	-84.08	-164.53	660.01	627.10	32.91	20.055		
12,600.00	12,127.39	12,526.52	12,124.38	20.37	17.64	-89.83	-133.65	-164.11	660.01	626.92	33.09	19.947		
12,700.00	12,128.26	12,626.52	12,125.25	20.66	17.71	-89.83	-233.65	-163.25	660.01	626.40	33.61	19.637		
12,800.00	12,129.13	12,726.52	12,126.12	21.01	17.83	-89.83	-333.64	-162.38	660.01	625.66	34.34	19.217		
12,900.00	12,130.00	12,826.52	12,126.99	21.42	18.01	-89.83	-433.63	-161.52	660.01	624.73	35.28	18.710		
13,000.00	12,130.87	12,926.52	12,127.86	21.89	18.30	-89.83	-533.62	-160.66	660.01	623.62	36.39	18.136		
13,100.00	12,131.74	13,026.52	12,128.73	22.42	18.75	-89.83	-633.62	-159.80	660.01	622.34	37.67	17.519		
13,200.00	12,132.61	13,126.52	12,129.60	23.02	19.35	-89.83	-733.61	-158.94	660.01	620.90	39.11	16.878		
13,300.00	12,133.48	13,226.52	12,130.47	23.67	20.08	-89.83	-833.60	-158.08	660.01	619.34	40.67	16.228		
13,400.00	12,134.35	13,326.52	12,131.35	24.38	20.89	-89.83	-933.59	-157.22	660.01	617.65	42.36	15.582		
13,500.00	12,135.23	13,426.52	12,132.22	25.14	21.77	-89.83	-1,033.59	-156.36	660.01	615.86	44.15	14.950		
13,600.00	12,136.10	13,526.52	12,133.09	25.95	22.71	-89.83	-1,133.58	-155.50	660.01	613.98	46.03	14.338		
13,700.00	12,136.97	13,626.52	12,133.96	26.81	23.70	-89.83	-1,233.57	-154.64	660.01	612.01	48.00	13.751		
13,800.00	12,137.84	13,726.52	12,134.83	27.70	24.72	-89.83	-1,333.56	-153.77	660.01	609.97	50.04	13.190		
13,900.00	12,138.71	13,826.52	12,135.70	28.64	25.78	-89.83	-1,433.56	-152.91	660.01	607.87	52.14	12.658		
14,000.00	12,139.58	13,926.52	12,136.57	29.60	26.87	-89.83	-1,533.55	-152.05	660.01	605.71	54.30	12.154		

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 135H - OH - Plan 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)													Offset Well Error:	0.50 usft
Reference	Offset	Semi Major Axis	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	
19,300.00	12,185.75	19,226.52	12,182.75	96.25	95.67	-89.83	-6,833.15	-106.42	660.02	468.67	191.35	3.449		
19,400.00	12,186.62	19,326.52	12,183.62	97.59	97.02	-89.83	-6,933.14	-105.56	660.02	465.97	194.05	3.401		
19,500.00	12,187.49	19,426.52	12,184.49	98.93	98.37	-89.83	-7,033.14	-104.70	660.02	463.27	196.75	3.355		
19,600.00	12,188.36	19,526.52	12,185.36	100.28	99.72	-89.83	-7,133.13	-103.84	660.02	460.57	199.45	3.309		
19,700.00	12,189.24	19,626.52	12,186.23	101.62	101.07	-89.83	-7,233.12	-102.98	660.02	457.87	202.16	3.265		
19,800.00	12,190.11	19,726.52	12,187.11	102.96	102.43	-89.83	-7,333.11	-102.12	660.02	455.16	204.86	3.222		
19,900.00	12,190.98	19,826.52	12,187.98	104.30	103.78	-89.83	-7,433.11	-101.26	660.02	452.46	207.56	3.180		
20,000.00	12,191.85	19,926.52	12,188.85	105.65	105.14	-89.83	-7,533.10	-100.40	660.02	449.75	210.27	3.139		
20,100.00	12,192.72	20,026.52	12,189.72	106.99	106.49	-89.83	-7,633.09	-99.53	660.03	447.05	212.98	3.099		
20,200.00	12,193.59	20,126.52	12,190.59	108.34	107.85	-89.83	-7,733.08	-98.67	660.03	444.34	215.68	3.060		
20,300.00	12,194.46	20,226.52	12,191.46	109.69	109.20	-89.83	-7,833.08	-97.81	660.03	441.63	218.39	3.022		
20,400.00	12,195.33	20,326.52	12,192.33	111.03	110.56	-89.83	-7,933.07	-96.95	660.03	438.92	221.10	2.985		
20,500.00	12,196.20	20,426.52	12,193.20	112.38	111.91	-89.83	-8,033.06	-96.09	660.03	436.21	223.81	2.949		
20,600.00	12,197.08	20,526.52	12,194.08	113.73	113.27	-89.83	-8,133.05	-95.23	660.03	433.50	226.52	2.914		
20,700.00	12,197.95	20,626.52	12,194.95	115.08	114.63	-89.83	-8,233.05	-94.37	660.03	430.79	229.23	2.879		
20,800.00	12,198.82	20,726.52	12,195.82	116.43	115.98	-89.83	-8,333.04	-93.51	660.03	428.08	231.95	2.846		
20,900.00	12,199.69	20,826.52	12,196.69	117.78	117.34	-89.83	-8,433.03	-92.65	660.03	425.37	234.66	2.813		
21,000.00	12,200.56	20,926.52	12,197.56	119.13	118.70	-89.83	-8,533.02	-91.79	660.03	422.66	237.37	2.781		
21,100.00	12,201.43	21,026.52	12,198.43	120.48	120.06	-89.83	-8,633.02	-90.93	660.03	419.94	240.08	2.749		
21,200.00	12,202.30	21,126.52	12,199.30	121.83	121.42	-89.83	-8,733.01	-90.06	660.03	417.23	242.80	2.718		
21,300.00	12,203.17	21,226.52	12,200.18	123.18	122.77	-89.83	-8,833.00	-89.20	660.03	414.51	245.51	2.688		
21,400.00	12,204.04	21,326.52	12,201.05	124.53	124.13	-89.83	-8,932.99	-88.34	660.03	411.80	248.23	2.659		
21,500.00	12,204.92	21,426.52	12,201.92	125.88	125.49	-89.83	-9,032.99	-87.48	660.03	409.08	250.95	2.630		
21,600.00	12,205.79	21,526.52	12,202.79	127.24	126.85	-89.83	-9,132.98	-86.62	660.03	406.37	253.66	2.602		
21,700.00	12,206.66	21,626.52	12,203.66	128.59	128.21	-89.83	-9,232.97	-85.76	660.03	403.65	256.38	2.574		
21,800.00	12,207.53	21,726.52	12,204.53	129.94	129.57	-89.83	-9,332.96	-84.90	660.03	400.93	259.10	2.547		
21,900.00	12,208.40	21,826.52	12,205.40	131.30	130.93	-89.83	-9,432.96	-84.04	660.03	398.21	261.81	2.521		
22,000.00	12,209.27	21,926.52	12,206.27	132.65	132.29	-89.83	-9,532.95	-83.18	660.03	395.50	264.53	2.495		
22,100.00	12,210.14	22,026.52	12,207.15	134.01	133.65	-89.83	-9,632.94	-82.32	660.03	392.78	267.25	2.470		
22,200.00	12,211.01	22,126.52	12,208.02	135.36	135.01	-89.83	-9,732.93	-81.45	660.03	390.06	269.97	2.445		
22,300.00	12,211.88	22,226.52	12,208.89	136.71	136.37	-89.83	-9,832.93	-80.59	660.03	387.34	272.69	2.420		
22,400.00	12,212.76	22,326.52	12,209.76	138.07	137.73	-89.83	-9,932.92	-79.73	660.03	384.62	275.41	2.397		
22,409.24	12,212.84	22,335.77	12,209.84	138.20	137.86	-89.83	-9,942.16	-79.65	660.03	384.37	275.66	2.394		
22,485.42	12,213.50	22,411.61	12,210.50	139.23	138.87	-89.83	-10,018.00	-79.00	660.03	382.33	277.70	2.377	SF	
22,485.80	12,213.50	22,411.61	12,210.50	139.26	138.87	-89.83	-10,018.00	-79.00	660.03	382.33	277.70	2.377		

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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:

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	0.00	0.00	0.50	0.50	0.00	210.00	0.00	210.00				
100.00	100.00	99.00	99.00	0.98	0.97	0.00	210.00	0.00	210.00	208.05	1.95	107.421	
200.00	200.00	199.00	199.00	1.56	1.56	0.00	210.00	0.00	210.00	206.88	3.12	67.389	
300.00	300.00	299.00	299.00	1.98	1.98	0.00	210.00	0.00	210.00	206.04	3.96	53.056	CC
400.00	400.00	397.69	397.68	2.33	2.40	0.33	210.30	1.21	210.31	205.65	4.65	45.202	ES
500.00	500.00	496.24	496.16	2.63	2.77	1.33	211.21	4.89	211.28	206.02	5.26	40.167	
600.00	600.00	594.53	594.24	2.91	3.10	2.97	212.72	11.02	213.06	207.24	5.81	36.649	
700.00	700.00	693.52	692.87	3.16	3.24	5.11	214.74	19.21	215.68	209.47	6.21	34.735	
800.00	800.00	793.14	792.11	3.40	3.48	7.26	216.81	27.64	218.68	211.98	6.70	32.655	
900.00	900.00	892.76	891.35	3.62	3.72	9.36	218.89	36.07	221.98	214.81	7.17	30.978	
1,000.00	1,000.00	992.38	990.59	3.84	3.96	11.39	220.97	44.50	225.56	217.95	7.61	29.624	
1,100.00	1,100.00	1,092.00	1,089.83	4.04	4.18	13.35	223.05	52.93	229.43	221.38	8.05	28.514	
1,200.00	1,200.00	1,191.62	1,189.07	4.23	4.40	15.25	225.13	61.36	233.55	225.09	8.46	27.594	
1,300.00	1,300.00	1,291.24	1,288.31	4.42	4.62	17.07	227.21	69.79	237.92	229.05	8.87	26.824	
1,400.00	1,400.00	1,390.86	1,387.55	4.60	4.84	18.84	229.28	78.22	242.53	233.26	9.27	26.176	
1,500.00	1,499.99	1,490.42	1,486.73	4.77	5.05	20.62	231.36	86.64	247.21	237.56	9.65	25.623	
1,600.00	1,599.96	1,589.84	1,585.78	4.94	5.26	22.48	233.44	95.05	251.93	241.91	10.02	25.141	
1,700.00	1,699.86	1,689.09	1,684.65	5.10	5.46	24.33	235.51	103.45	256.87	246.48	10.39	24.722	
1,800.00	1,799.68	1,788.14	1,783.32	5.26	5.66	26.18	237.57	111.83	262.22	251.46	10.76	24.375	
1,900.00	1,899.37	1,886.96	1,881.76	5.43	5.87	28.03	239.63	120.20	268.19	257.06	11.12	24.109	
2,000.00	1,998.90	1,985.51	1,979.95	5.59	6.06	29.88	241.69	128.54	275.00	263.51	11.49	23.933	
2,100.00	2,098.26	2,083.78	2,077.84	5.76	6.26	31.73	243.74	136.85	282.89	271.03	11.86	23.855	
2,200.00	2,197.40	2,181.73	2,175.41	5.93	6.46	33.58	245.78	145.14	292.06	279.82	12.24	23.864	
2,300.00	2,296.30	2,274.67	2,267.94	6.10	6.66	35.43	247.87	153.59	303.30	290.69	12.61	24.055	
2,400.00	2,394.93	2,364.81	2,357.47	6.27	6.87	37.28	250.39	163.81	318.23	305.25	12.98	24.509	
2,500.00	2,493.26	2,453.43	2,445.22	6.45	7.07	39.13	253.35	175.84	337.22	323.86	13.36	25.233	
2,600.00	2,591.25	2,540.37	2,531.00	6.63	7.27	40.98	256.74	189.57	360.43	346.69	13.74	26.233	
2,700.00	2,688.87	2,625.47	2,614.63	6.82	7.47	42.83	260.50	204.83	387.92	373.81	14.11	27.495	
2,725.46	2,713.67	2,646.83	2,635.57	6.85	7.52	44.68	261.51	208.95	395.60	381.42	14.18	27.894	
2,800.00	2,786.22	2,708.77	2,696.13	6.98	7.67	46.53	264.61	221.52	419.42	404.99	14.43	29.075	
2,900.00	2,883.56	2,790.60	2,775.81	7.20	7.86	48.38	269.07	239.60	454.17	439.39	14.77	30.741	
3,000.00	2,980.90	2,873.30	2,855.92	7.43	8.02	50.23	273.99	259.54	491.87	476.78	15.09	32.586	
3,100.00	3,078.23	2,960.37	2,940.03	7.66	8.19	52.08	279.38	281.43	531.39	515.95	15.44	34.411	
3,200.00	3,175.57	3,050.12	3,026.71	7.90	8.38	53.93	284.94	303.99	571.60	555.77	15.83	36.113	
3,300.00	3,272.90	3,139.86	3,113.39	8.15	8.58	55.78	290.50	326.54	612.34	596.12	16.21	37.764	
3,400.00	3,370.24	3,229.60	3,200.08	8.40	8.77	57.63	296.06	349.10	653.52	636.92	16.60	39.361	
3,500.00	3,467.58	3,319.34	3,286.76	8.65	8.97	59.48	301.62	371.66	695.06	678.07	16.99	40.901	
3,600.00	3,564.91	3,409.08	3,373.44	8.91	9.19	61.33	307.18	394.21	736.90	719.51	17.39	42.384	
3,700.00	3,662.25	3,498.83	3,460.13	9.17	9.42	63.18	312.74	416.77	778.99	761.21	17.78	43.811	
3,800.00	3,759.58	3,588.57	3,546.81	9.43	9.67	65.03	318.30	439.33	821.30	803.12	18.18	45.182	
3,900.00	3,856.92	3,678.31	3,633.49	9.70	9.93	66.88	323.86	461.88	863.78	845.21	18.58	46.499	
4,000.00	3,954.26	3,768.05	3,720.17	9.97	10.20	68.73	329.42	484.44	906.43	887.45	18.98	47.764	
4,100.00	4,051.59	3,857.80	3,806.86	10.24	10.48	70.58	334.98	507.00	949.20	929.82	19.38	48.979	
4,200.00	4,148.93	3,947.54	3,893.54	10.52	10.76	72.43	340.54	529.56	992.10	972.31	19.79	50.141	
4,300.00	4,246.26	4,037.28	3,980.22	10.80	11.05	74.28	346.10	552.11	1,035.09	1,014.90	20.19	51.262	
4,400.00	4,343.60	4,127.02	4,066.91	11.08	11.33	76.13	351.66	574.67	1,078.18	1,057.58	20.60	52.336	
4,500.00	4,440.94	4,216.76	4,153.59	11.36	11.62	77.98	357.22	597.23	1,121.35	1,100.34	21.01	53.368	
4,600.00	4,538.27	4,306.51	4,240.27	11.64	11.91	79.83	362.78	619.78	1,164.59	1,143.16	21.42	54.360	
4,700.00	4,635.61	4,396.25	4,326.95	11.92	12.20	81.68	368.34	642.34	1,207.89	1,186.05	21.84	55.312	
4,800.00	4,732.95	4,485.99	4,413.64	12.21	12.49	83.53	373.90	664.90	1,251.25	1,229.00	22.25	56.228	
4,900.00	4,830.28	4,575.73	4,500.32	12.49	12.79	85.38	379.46	687.45	1,294.66	1,271.99	22.67	57.108	
5,000.00	4,927.62	4,665.47	4,587.00	12.78	13.08	87.23	385.02	710.01	1,338.12	1,315.03	23.09	57.955	

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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 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)						
5,100.00	5,024.95	4,755.22	4,673.69	13.07	13.38	145.47	390.58	732.57	1,381.61	1,358.11	23.51	58.769		
5,200.00	5,122.29	4,844.96	4,760.37	13.36	13.68	145.80	396.14	755.12	1,425.15	1,401.22	23.93	59.554		
5,300.00	5,219.63	4,934.70	4,847.05	13.65	13.98	146.10	401.70	777.68	1,468.72	1,444.37	24.35	60.309		
5,400.00	5,316.96	5,024.44	4,933.73	13.95	14.27	146.39	407.26	800.24	1,512.33	1,487.55	24.78	61.036		
5,500.00	5,414.30	5,114.18	5,020.42	14.24	14.57	146.66	412.82	822.79	1,555.96	1,530.76	25.20	61.737		
5,574.00	5,486.33	5,180.59	5,084.56	14.44	14.80	146.85	416.94	839.49	1,588.26	1,562.76	25.51	62.268		
5,600.00	5,511.65	5,203.95	5,107.12	14.51	14.87	146.98	418.39	845.36	1,599.57	1,573.96	25.61	62.464		
5,700.00	5,609.28	5,294.22	5,194.31	14.79	15.18	147.45	423.98	868.05	1,642.25	1,616.22	26.03	63.085		
5,800.00	5,707.27	5,385.15	5,282.15	15.06	15.48	147.86	429.61	890.90	1,683.61	1,657.15	26.45	63.644		
5,900.00	5,805.60	5,476.73	5,370.60	15.31	15.79	148.22	435.29	913.92	1,723.62	1,696.75	26.87	64.142		
6,000.00	5,904.23	5,568.92	5,459.65	15.54	16.10	148.53	441.00	937.09	1,762.28	1,734.99	27.29	64.583		
6,100.00	6,003.13	5,661.70	5,549.27	15.75	16.42	148.79	446.75	960.41	1,799.56	1,771.86	27.70	64.970		
6,200.00	6,102.27	5,755.03	5,639.42	15.95	16.73	149.01	452.53	983.87	1,835.46	1,807.35	28.11	65.306		
6,300.00	6,201.63	5,848.89	5,730.08	16.13	17.05	149.19	458.35	1,007.46	1,869.95	1,841.44	28.51	65.595		
6,400.00	6,301.17	5,969.55	5,846.73	16.29	17.45	149.32	465.73	1,037.43	1,902.84	1,873.84	29.01	65.999		
6,500.00	6,400.86	6,156.99	6,029.49	16.43	18.01	149.40	475.66	1,077.69	1,930.92	1,901.16	29.76	64.882		
6,600.00	6,500.67	6,349.94	6,219.54	16.56	18.48	149.46	483.62	1,110.00	1,952.86	1,922.40	30.46	64.122		
6,700.00	6,600.58	6,547.19	6,415.29	16.67	18.86	149.50	489.37	1,133.35	1,968.44	1,937.37	31.07	63.354		
6,800.00	6,700.54	6,747.32	6,614.91	16.76	19.12	149.53	492.73	1,146.98	1,977.50	1,945.92	31.59	62.605		
6,899.47	6,800.00	6,931.47	6,799.00	16.83	19.27	89.61	493.62	1,150.57	1,980.04	1,948.13	31.91	62.058		
6,900.00	6,800.54	6,932.00	6,799.54	16.83	19.27	89.61	493.62	1,150.57	1,980.04	1,948.13	31.91	62.057		
7,000.00	6,900.54	7,032.00	6,899.54	16.90	19.31	89.61	493.62	1,150.57	1,980.04	1,948.02	32.02	61.845		
7,100.00	7,000.54	7,132.00	6,999.54	16.96	19.36	89.61	493.62	1,150.57	1,980.04	1,947.90	32.13	61.622		
7,200.00	7,100.54	7,232.00	7,099.54	17.02	19.41	89.61	493.62	1,150.57	1,980.04	1,947.79	32.25	61.401		
7,300.00	7,200.54	7,332.00	7,199.54	17.09	19.46	89.61	493.62	1,150.57	1,980.04	1,947.67	32.36	61.180		
7,400.00	7,300.54	7,432.00	7,299.54	17.15	19.52	89.61	493.62	1,150.57	1,980.04	1,947.55	32.48	60.959		
7,500.00	7,400.54	7,532.00	7,399.54	17.22	19.57	89.61	493.62	1,150.57	1,980.04	1,947.44	32.60	60.740		
7,600.00	7,500.54	7,632.00	7,499.54	17.28	19.62	89.61	493.62	1,150.57	1,980.04	1,947.32	32.72	60.522		
7,700.00	7,600.54	7,732.00	7,599.54	17.35	19.67	89.61	493.62	1,150.57	1,980.04	1,947.20	32.83	60.304		
7,800.00	7,700.54	7,832.00	7,699.54	17.41	19.72	89.61	493.62	1,150.57	1,980.04	1,947.08	32.95	60.087		
7,900.00	7,800.54	7,932.00	7,799.54	17.48	19.78	89.61	493.62	1,150.57	1,980.04	1,946.96	33.07	59.871		
8,000.00	7,900.54	8,032.00	7,899.54	17.54	19.83	89.61	493.62	1,150.57	1,980.04	1,946.85	33.19	59.657		
8,100.00	8,000.54	8,132.00	7,999.54	17.61	19.88	89.61	493.62	1,150.57	1,980.04	1,946.73	33.31	59.442		
8,200.00	8,100.54	8,232.00	8,099.54	17.67	19.93	89.61	493.62	1,150.57	1,980.04	1,946.61	33.43	59.229		
8,300.00	8,200.54	8,332.00	8,199.54	17.74	19.99	89.61	493.62	1,150.57	1,980.04	1,946.49	33.55	59.017		
8,400.00	8,300.54	8,432.00	8,299.54	17.80	20.04	89.61	493.62	1,150.57	1,980.04	1,946.37	33.67	58.806		
8,500.00	8,400.54	8,532.00	8,399.54	17.87	20.09	89.61	493.62	1,150.57	1,980.04	1,946.24	33.79	58.595		
8,600.00	8,500.54	8,632.00	8,499.54	17.94	20.15	89.61	493.62	1,150.57	1,980.04	1,946.12	33.91	58.386		
8,700.00	8,600.54	8,732.00	8,599.54	18.00	20.20	89.61	493.62	1,150.57	1,980.04	1,946.00	34.03	58.177		
8,800.00	8,700.54	8,832.00	8,699.54	18.07	20.25	89.61	493.62	1,150.57	1,980.04	1,945.88	34.16	57.969		
8,900.00	8,800.54	8,932.00	8,799.54	18.14	20.31	89.61	493.62	1,150.57	1,980.04	1,945.76	34.28	57.762		
9,000.00	8,900.54	9,032.00	8,899.54	18.20	20.36	89.61	493.62	1,150.57	1,980.04	1,945.63	34.40	57.556		
9,100.00	9,000.54	9,132.00	8,999.54	18.27	20.42	89.61	493.62	1,150.57	1,980.04	1,945.51	34.52	57.351		
9,200.00	9,100.54	9,232.00	9,099.54	18.34	20.47	89.61	493.62	1,150.57	1,980.04	1,945.39	34.65	57.147		
9,300.00	9,200.54	9,332.00	9,199.54	18.40	20.53	89.61	493.62	1,150.57	1,980.04	1,945.26	34.77	56.944		
9,400.00	9,300.54	9,432.00	9,299.54	18.47	20.58	89.61	493.62	1,150.57	1,980.04	1,945.14	34.90	56.742		
9,500.00	9,400.54	9,532.00	9,399.54	18.54	20.64	89.61	493.62	1,150.57	1,980.04	1,945.02	35.02	56.541		
9,600.00	9,500.54	9,632.00	9,499.54	18.60	20.69	89.61	493.62	1,150.57	1,980.04	1,944.89	35.14	56.340		
9,700.00	9,600.54	9,732.00	9,599.54	18.67	20.75	89.61	493.62	1,150.57	1,980.04	1,944.77	35.27	56.141		
9,800.00	9,700.54	9,832.00	9,699.54	18.74	20.80	89.61	493.62	1,150.57	1,980.04	1,944.64	35.39	55.942		
9,900.00	9,800.54	9,932.00	9,799.54	18.81	20.86	89.61	493.62	1,150.57	1,980.04	1,944.52	35.52	55.745		
10,000.00	9,900.54	10,032.00	9,899.54	18.88	20.92	89.61	493.62	1,150.57	1,980.04	1,944.39	35.65	55.548		

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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
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)						
10,100.00	10,000.54	10,132.00	9,999.54	18.94	20.97	89.61	493.62	1,150.57	1,980.04	1,944.26	35.77	55.352		
10,200.00	10,100.54	10,232.00	10,099.54	19.01	21.03	89.61	493.62	1,150.57	1,980.04	1,944.14	35.90	55.157		
10,300.00	10,200.54	10,332.00	10,199.54	19.08	21.09	89.61	493.62	1,150.57	1,980.04	1,944.01	36.02	54.963		
10,400.00	10,300.54	10,432.00	10,299.54	19.15	21.14	89.61	493.62	1,150.57	1,980.04	1,943.88	36.15	54.770		
10,500.00	10,400.54	10,532.00	10,399.54	19.22	21.20	89.61	493.62	1,150.57	1,980.04	1,943.76	36.28	54.578		
10,600.00	10,500.54	10,632.00	10,499.54	19.28	21.26	89.61	493.62	1,150.57	1,980.04	1,943.63	36.41	54.387		
10,700.00	10,600.54	10,732.00	10,599.54	19.35	21.31	89.61	493.62	1,150.57	1,980.04	1,943.50	36.53	54.197		
10,800.00	10,700.54	10,832.00	10,699.54	19.42	21.37	89.61	493.62	1,150.57	1,980.04	1,943.37	36.66	54.008		
10,900.00	10,800.54	10,932.00	10,799.54	19.49	21.43	89.61	493.62	1,150.57	1,980.04	1,943.25	36.79	53.819		
11,000.00	10,900.54	11,032.00	10,899.54	19.56	21.49	89.61	493.62	1,150.57	1,980.04	1,943.12	36.92	53.632		
11,100.00	11,000.54	11,132.00	10,999.54	19.63	21.54	89.61	493.62	1,150.57	1,980.04	1,942.99	37.05	53.445		
11,200.00	11,100.54	11,232.00	11,099.54	19.70	21.60	89.61	493.62	1,150.57	1,980.04	1,942.86	37.18	53.260		
11,300.00	11,200.54	11,332.00	11,199.54	19.77	21.66	89.61	493.62	1,150.57	1,980.04	1,942.73	37.31	53.075		
11,400.00	11,300.54	11,432.00	11,299.54	19.84	21.72	89.61	493.62	1,150.57	1,980.04	1,942.60	37.44	52.891		
11,500.00	11,400.54	11,532.00	11,399.54	19.91	21.78	89.61	493.62	1,150.57	1,980.04	1,942.47	37.57	52.708		
11,600.00	11,500.54	11,632.00	11,499.54	19.98	21.83	89.61	493.62	1,150.57	1,980.04	1,942.34	37.69	52.529		
11,653.47	11,554.00	11,685.47	11,553.00	20.00	21.86	89.61	493.62	1,150.57	1,980.04	1,942.29	37.75	52.454		
11,700.00	11,600.48	11,731.72	11,599.21	20.03	21.88	-89.90	491.83	1,150.59	1,980.04	1,942.30	37.74	52.467		
11,750.00	11,650.08	11,781.43	11,648.52	20.05	21.92	-89.90	485.77	1,150.64	1,980.04	1,942.35	37.68	52.544		
11,800.00	11,698.94	11,831.14	11,697.14	20.05	21.94	-89.91	475.45	1,150.73	1,980.04	1,942.44	37.60	52.662		
11,850.00	11,746.70	11,880.87	11,744.69	20.04	21.96	-89.91	460.96	1,150.85	1,980.04	1,942.55	37.49	52.818		
11,900.00	11,793.00	11,930.61	11,790.82	20.02	21.98	-89.92	442.39	1,151.01	1,980.03	1,942.68	37.35	53.008		
11,950.00	11,837.47	11,980.37	11,835.18	20.00	22.00	-89.92	419.88	1,151.21	1,980.03	1,942.83	37.20	53.223		
12,000.00	11,879.79	12,030.15	11,877.44	19.98	22.02	-89.93	393.60	1,151.43	1,980.03	1,942.99	37.04	53.455		
12,050.00	11,919.63	12,079.96	11,917.28	19.95	22.04	-89.94	363.73	1,151.69	1,980.03	1,943.16	36.87	53.696		
12,100.00	11,956.69	12,129.78	11,954.39	19.93	22.07	-89.95	330.51	1,151.97	1,980.03	1,943.32	36.71	53.932		
12,150.00	11,990.68	12,179.63	11,988.49	19.91	22.11	-89.95	294.17	1,152.29	1,980.03	1,943.47	36.56	54.152		
12,173.46	12,005.49	12,203.03	12,003.37	19.91	22.13	-89.96	276.12	1,152.44	1,980.03	1,943.53	36.50	54.246		
12,200.00	12,021.34	12,229.51	12,019.31	19.91	22.16	-89.96	254.98	1,152.63	1,980.03	1,943.60	36.44	54.342		
12,250.00	12,048.45	12,279.41	12,046.63	19.91	22.23	-89.97	213.24	1,152.99	1,980.03	1,943.70	36.34	54.491		
12,300.00	12,071.80	12,329.34	12,070.22	19.92	22.31	-89.98	169.26	1,153.36	1,980.03	1,943.76	36.27	54.587		
12,350.00	12,091.21	12,379.30	12,089.91	19.96	22.42	-89.99	123.36	1,153.76	1,980.03	1,943.78	36.25	54.619		
12,400.00	12,106.53	12,429.28	12,105.53	20.00	22.54	-90.00	75.90	1,154.17	1,980.03	1,943.76	36.28	54.580		
12,450.00	12,117.64	12,479.29	12,116.96	20.07	22.69	-90.01	27.23	1,154.59	1,980.04	1,943.68	36.35	54.465		
12,500.00	12,124.47	12,529.34	12,124.11	20.15	22.85	-90.02	-22.28	1,155.01	1,980.04	1,943.55	36.48	54.273		
12,548.47	12,126.94	12,577.88	12,126.89	20.25	23.04	-90.03	-70.73	1,155.43	1,980.04	1,943.38	36.65	54.020		
12,600.00	12,127.39	12,629.41	12,127.35	20.37	23.24	-90.03	-122.26	1,155.87	1,980.04	1,943.13	36.90	53.656		
12,700.00	12,128.26	12,729.41	12,128.23	20.66	23.70	-90.03	-222.25	1,156.74	1,980.04	1,942.50	37.54	52.751		
12,800.00	12,129.13	12,829.41	12,129.10	21.01	24.22	-90.03	-322.24	1,157.60	1,980.04	1,941.68	38.35	51.624		
12,900.00	12,130.00	12,929.41	12,129.97	21.42	24.78	-90.03	-422.23	1,158.46	1,980.04	1,940.69	39.35	50.320		
13,000.00	12,130.87	13,029.41	12,130.84	21.89	25.40	-90.03	-522.23	1,159.32	1,980.04	1,939.53	40.50	48.884		
13,100.00	12,131.74	13,129.41	12,131.71	22.42	26.07	-90.03	-622.22	1,160.18	1,980.04	1,938.23	41.81	47.359		
13,200.00	12,132.61	13,229.41	12,132.58	23.02	26.78	-90.03	-722.21	1,161.04	1,980.04	1,936.79	43.25	45.783		
13,300.00	12,133.48	13,329.41	12,133.46	23.67	27.53	-90.03	-822.20	1,161.90	1,980.04	1,935.23	44.81	44.187		
13,400.00	12,134.35	13,429.41	12,134.33	24.38	28.32	-90.03	-922.20	1,162.77	1,980.04	1,933.56	46.48	42.598		
13,500.00	12,135.23	13,529.41	12,135.20	25.14	29.14	-90.03	-1,022.19	1,163.63	1,980.04	1,931.79	48.25	41.035		
13,600.00	12,136.10	13,629.41	12,136.07	25.95	30.01	-90.03	-1,122.18	1,164.49	1,980.04	1,929.93	50.11	39.514		
13,700.00	12,136.97	13,729.41	12,136.94	26.81	30.90	-90.03	-1,222.17	1,165.35	1,980.04	1,928.00	52.05	38.044		
13,800.00	12,137.84	13,829.41	12,137.81	27.70	31.83	-90.03	-1,322.17	1,166.21	1,980.04	1,925.99	54.05	36.632		
13,900.00	12,138.71	13,929.41	12,138.69	28.64	32.78	-90.03	-1,422.16	1,167.07	1,980.04	1,923.92	56.12	35.282		
14,000.00	12,139.58	14,029.41	12,139.56	29.60	33.76	-90.03	-1,522.15	1,167.93	1,980.04	1,921.80	58.24	33.996		
14,100.00	12,140.45	14,129.41	12,140.43	30.60	34.77	-90.03	-1,622.14	1,168.79	1,980.04	1,919.63	60.42	32.773		

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)		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)			
0.00	0.00	0.00	0.00	0.50	0.50	0.50	0.50	0.00	50.00	0.00	50.00				
100.00	100.00	100.00	100.00	0.98	0.98	0.98	0.98	0.00	50.00	0.00	50.00	48.04	1.96	25.482	
200.00	200.00	200.00	200.00	1.56	1.56	1.56	1.56	0.00	50.00	0.00	50.00	46.88	3.12	16.014	
300.00	300.00	300.00	300.00	1.98	1.98	1.98	1.98	0.00	50.00	0.00	50.00	46.04	3.96	12.619	
400.00	400.00	400.00	400.00	2.33	2.33	2.33	2.33	0.00	50.00	0.00	50.00	45.34	4.66	10.732	
500.00	500.00	500.00	500.00	2.63	2.63	2.63	2.63	0.00	50.00	0.00	50.00	44.73	5.27	9.489	CC
600.00	600.00	599.44	599.43	2.91	2.97	-1.34	50.54	-1.18	50.55	44.72	5.83	8.674	ES		
700.00	700.00	698.74	698.65	3.16	3.28	-5.16	52.14	-4.70	52.37	46.02	6.35	8.251			
800.00	800.00	797.78	797.48	3.40	3.57	-10.91	54.81	-10.56	55.87	49.03	6.84	8.162			
900.00	900.00	897.10	896.43	3.62	3.69	-17.41	58.32	-18.29	61.23	54.02	7.21	8.496			
1,000.00	1,000.00	996.72	995.67	3.84	3.91	-22.93	61.92	-26.19	67.37	59.71	7.66	8.799			
1,100.00	1,100.00	1,096.33	1,094.91	4.04	4.13	-27.49	65.52	-34.09	74.03	65.94	8.09	9.151			
1,200.00	1,200.00	1,195.95	1,194.15	4.23	4.35	-31.28	69.11	-42.00	81.08	72.57	8.51	9.524			
1,300.00	1,300.00	1,293.73	1,291.45	4.42	4.59	-34.77	73.10	-50.75	89.40	80.47	8.93	10.006			
1,400.00	1,400.00	1,390.85	1,387.82	4.60	4.83	-38.31	78.07	-61.69	100.25	90.90	9.35	10.721			
1,500.00	1,499.99	1,487.43	1,483.32	4.77	5.07	18.37	84.03	-74.77	112.89	103.14	9.75	11.579			
1,600.00	1,599.96	1,583.54	1,577.97	4.94	5.31	15.58	90.95	-89.97	126.49	116.36	10.13	12.484			
1,700.00	1,699.86	1,680.72	1,673.27	5.10	5.46	13.18	98.83	-107.29	140.75	130.31	10.44	13.484			
1,800.00	1,799.68	1,779.74	1,770.30	5.26	5.66	11.28	107.00	-125.25	153.86	143.05	10.81	14.237			
1,900.00	1,899.37	1,878.99	1,867.56	5.43	5.86	9.78	115.20	-143.25	165.40	154.21	11.19	14.784			
2,000.00	1,998.90	1,978.43	1,965.01	5.59	6.07	8.56	123.40	-161.29	175.31	163.74	11.57	15.153			
2,100.00	2,098.26	2,078.04	2,062.62	5.76	6.28	7.55	131.63	-179.36	183.57	171.62	11.95	15.358			
2,200.00	2,197.40	2,177.78	2,160.36	5.93	6.49	6.69	139.86	-197.45	190.15	177.81	12.34	15.410			
2,300.00	2,296.30	2,277.63	2,258.20	6.10	6.70	5.94	148.10	-215.56	195.04	182.31	12.73	15.323			
2,400.00	2,394.93	2,377.55	2,356.12	6.27	6.92	5.28	156.35	-233.69	198.22	185.10	13.12	15.108			
2,500.00	2,493.26	2,477.52	2,454.08	6.45	7.15	4.68	164.61	-251.82	199.69	186.18	13.51	14.776			
2,600.00	2,591.25	2,577.50	2,552.06	6.63	7.38	4.13	172.86	-269.95	199.44	185.53	13.91	14.336			
2,700.00	2,688.87	2,677.46	2,650.02	6.82	7.63	3.60	181.11	-288.08	197.47	183.16	14.31	13.798			
2,725.46	2,713.67	2,702.91	2,674.95	6.85	7.70	3.47	183.21	-292.70	196.69	182.30	14.39	13.665			
2,800.00	2,786.22	2,777.40	2,747.94	6.98	7.89	3.09	189.36	-306.21	194.25	179.58	14.67	13.240			
2,900.00	2,883.56	2,877.33	2,845.87	7.20	8.14	2.56	197.61	-324.34	191.00	175.92	15.08	12.670			
3,000.00	2,980.90	2,977.26	2,943.80	7.43	8.40	2.01	205.86	-342.46	187.76	172.28	15.48	12.128			
3,100.00	3,078.23	3,077.19	3,041.72	7.66	8.66	1.44	214.11	-360.59	184.54	168.65	15.89	11.614			
3,200.00	3,175.57	3,177.12	3,139.65	7.90	8.92	0.85	222.36	-378.72	181.34	165.04	16.30	11.125			
3,300.00	3,272.90	3,277.05	3,237.58	8.15	9.19	0.24	230.61	-396.84	178.16	161.45	16.71	10.662			
3,400.00	3,370.24	3,376.98	3,335.50	8.40	9.45	-0.39	238.86	-414.97	175.00	157.88	17.12	10.221			
3,500.00	3,467.58	3,476.91	3,433.43	8.65	9.71	-1.04	247.11	-433.09	171.86	154.32	17.53	9.801			
3,600.00	3,564.91	3,576.84	3,531.36	8.91	9.98	-1.72	255.36	-451.22	168.74	150.80	17.95	9.402			
3,700.00	3,662.25	3,676.78	3,629.28	9.17	10.24	-2.43	263.61	-469.35	165.65	147.29	18.36	9.022			
3,800.00	3,759.58	3,776.71	3,727.21	9.43	10.51	-3.16	271.86	-487.47	162.59	143.81	18.78	8.659			
3,900.00	3,856.92	3,876.64	3,825.14	9.70	10.78	-3.92	280.11	-505.60	159.55	140.36	19.19	8.313			
4,000.00	3,954.26	3,976.57	3,923.06	9.97	11.04	-4.70	288.35	-523.72	156.54	136.93	19.61	7.983			
4,100.00	4,051.59	4,076.50	4,020.99	10.24	11.31	-5.52	296.60	-541.85	153.56	133.54	20.03	7.668			
4,200.00	4,148.93	4,176.43	4,118.92	10.52	11.58	-6.37	304.85	-559.98	150.62	130.17	20.44	7.367			
4,300.00	4,246.26	4,276.36	4,216.84	10.80	11.85	-7.26	313.10	-578.10	147.71	126.84	20.86	7.079			
4,400.00	4,343.60	4,376.29	4,314.77	11.08	12.11	-8.18	321.35	-596.23	144.84	123.55	21.29	6.804			
4,500.00	4,440.94	4,476.22	4,412.70	11.36	12.38	-9.14	329.60	-614.35	142.00	120.29	21.71	6.541			
4,600.00	4,538.27	4,576.15	4,510.62	11.64	12.65	-10.13	337.85	-632.48	139.21	117.07	22.14	6.289			
4,700.00	4,635.61	4,676.09	4,608.55	11.92	12.92	-11.17	346.10	-650.61	136.46	113.89	22.56	6.047			
4,800.00	4,732.95	4,776.02	4,706.48	12.21	13.19	-12.25	354.35	-668.73	133.75	110.76	23.00	5.816			
4,900.00	4,830.28	4,875.95	4,804.40	12.49	13.46	-13.37	362.60	-686.86	131.10	107.67	23.43	5.595			
5,000.00	4,927.62	4,975.88	4,902.33	12.78	13.73	-14.54	370.85	-704.98	128.50	104.63	23.87	5.383			

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)		Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)						
5,100.00	5,024.95	5,075.81	5,000.25	13.07	14.00	-15.76	379.10	-723.11	125.95	101.64	24.32	5.180		
5,200.00	5,122.29	5,175.74	5,098.18	13.36	14.27	-17.02	387.35	-741.24	123.47	98.70	24.77	4.985		
5,300.00	5,219.63	5,275.67	5,196.11	13.65	14.54	-18.34	395.60	-759.36	121.04	95.82	25.22	4.799		
5,400.00	5,316.96	5,375.60	5,294.03	13.95	14.81	-19.71	403.85	-777.49	118.68	92.99	25.69	4.620		
5,500.00	5,414.30	5,475.53	5,391.96	14.24	15.08	-21.14	412.10	-795.62	116.40	90.23	26.16	4.449		
5,574.00	5,486.33	5,549.48	5,464.43	14.44	15.28	-22.23	418.20	-809.03	114.75	88.25	26.50	4.330		
5,600.00	5,511.65	5,575.47	5,489.89	14.51	15.35	-22.60	420.35	-813.74	114.24	87.62	26.62	4.292		
5,700.00	5,609.28	5,675.43	5,587.85	14.79	15.63	-23.86	428.60	-831.87	113.32	86.22	27.10	4.182		
5,705.86	5,615.01	5,681.29	5,593.59	14.81	15.64	-23.93	429.08	-832.94	113.31	86.19	27.13	4.177		
5,800.00	5,707.27	5,775.41	5,685.82	15.06	15.90	-24.78	436.85	-850.01	114.03	86.47	27.57	4.137		
5,900.00	5,805.60	5,875.38	5,783.78	15.31	16.17	-25.32	445.10	-868.14	116.35	88.33	28.02	4.152		
6,000.00	5,904.23	5,977.40	5,883.89	15.54	16.44	-25.59	453.26	-886.05	119.65	91.18	28.47	4.203		
6,100.00	6,003.13	6,080.43	5,985.46	15.75	16.68	-25.90	460.41	-901.77	122.11	93.20	28.91	4.224		
6,200.00	6,102.27	6,183.52	6,087.52	15.95	16.90	-26.29	466.43	-915.00	123.61	94.29	29.32	4.216		
6,300.00	6,201.63	6,286.64	6,189.96	16.13	17.09	-26.76	471.31	-925.72	124.16	94.45	29.70	4.180		
6,400.00	6,301.17	6,389.75	6,292.67	16.29	17.25	-27.31	475.04	-933.92	123.76	93.69	30.06	4.117		
6,500.00	6,400.86	6,492.81	6,395.54	16.43	17.38	-27.96	477.62	-939.59	122.41	92.02	30.39	4.028		
6,600.00	6,500.67	6,595.79	6,498.46	16.56	17.48	-28.73	479.05	-942.73	120.14	89.45	30.69	3.915		
6,700.00	6,600.58	6,697.91	6,600.58	16.67	17.54	-29.61	479.37	-943.43	117.02	86.12	30.90	3.788		
6,800.00	6,700.54	6,797.88	6,700.54	16.76	17.60	-30.24	479.37	-943.43	114.76	83.65	31.11	3.689		
6,899.47	6,800.00	6,897.34	6,800.00	16.83	17.65	-90.39	479.37	-943.43	114.01	82.74	31.27	3.646		
6,900.00	6,800.54	6,897.87	6,800.54	16.83	17.65	-90.39	479.37	-943.43	114.01	82.74	31.27	3.646		
7,000.00	6,900.54	6,997.87	6,900.54	16.90	17.71	-90.39	479.37	-943.43	114.01	82.62	31.40	3.631		
7,100.00	7,000.54	7,097.87	7,000.54	16.96	17.77	-90.39	479.37	-943.43	114.01	82.49	31.52	3.617		
7,200.00	7,100.54	7,197.87	7,100.54	17.02	17.83	-90.39	479.37	-943.43	114.01	82.37	31.64	3.603		
7,300.00	7,200.54	7,297.87	7,200.54	17.09	17.89	-90.39	479.37	-943.43	114.01	82.25	31.77	3.589		
7,400.00	7,300.54	7,397.87	7,300.54	17.15	17.95	-90.39	479.37	-943.43	114.01	82.12	31.89	3.575		
7,500.00	7,400.54	7,497.87	7,400.54	17.22	18.01	-90.39	479.37	-943.43	114.01	82.00	32.01	3.561		
7,600.00	7,500.54	7,597.87	7,500.54	17.28	18.07	-90.39	479.37	-943.43	114.01	81.87	32.14	3.547		
7,700.00	7,600.54	7,697.87	7,600.54	17.35	18.13	-90.39	479.37	-943.43	114.01	81.75	32.26	3.534		
7,800.00	7,700.54	7,797.87	7,700.54	17.41	18.19	-90.39	479.37	-943.43	114.01	81.62	32.39	3.520		
7,900.00	7,800.54	7,897.87	7,800.54	17.48	18.25	-90.39	479.37	-943.43	114.01	81.50	32.52	3.506		
8,000.00	7,900.54	7,997.87	7,900.54	17.54	18.31	-90.39	479.37	-943.43	114.01	81.37	32.64	3.493		
8,100.00	8,000.54	8,097.87	8,000.54	17.61	18.37	-90.39	479.37	-943.43	114.01	81.24	32.77	3.479		
8,200.00	8,100.54	8,197.87	8,100.54	17.67	18.43	-90.39	479.37	-943.43	114.01	81.12	32.89	3.466		
8,300.00	8,200.54	8,297.87	8,200.54	17.74	18.49	-90.39	479.37	-943.43	114.01	80.99	33.02	3.453		
8,400.00	8,300.54	8,397.87	8,300.54	17.80	18.56	-90.39	479.37	-943.43	114.01	80.86	33.15	3.439		
8,500.00	8,400.54	8,497.87	8,400.54	17.87	18.62	-90.39	479.37	-943.43	114.01	80.74	33.28	3.426		
8,600.00	8,500.54	8,597.87	8,500.54	17.94	18.68	-90.39	479.37	-943.43	114.01	80.61	33.40	3.413		
8,700.00	8,600.54	8,697.87	8,600.54	18.00	18.74	-90.39	479.37	-943.43	114.01	80.48	33.53	3.400		
8,800.00	8,700.54	8,797.87	8,700.54	18.07	18.80	-90.39	479.37	-943.43	114.01	80.35	33.66	3.387		
8,900.00	8,800.54	8,897.87	8,800.54	18.14	18.86	-90.39	479.37	-943.43	114.01	80.22	33.79	3.374		
9,000.00	8,900.54	8,997.87	8,900.54	18.20	18.93	-90.39	479.37	-943.43	114.01	80.09	33.92	3.361		
9,100.00	9,000.54	9,097.87	9,000.54	18.27	18.99	-90.39	479.37	-943.43	114.01	79.96	34.05	3.348		
9,200.00	9,100.54	9,197.87	9,100.54	18.34	19.05	-90.39	479.37	-943.43	114.01	79.83	34.18	3.336		
9,300.00	9,200.54	9,297.87	9,200.54	18.40	19.11	-90.39	479.37	-943.43	114.01	79.70	34.31	3.323		
9,400.00	9,300.54	9,397.87	9,300.54	18.47	19.18	-90.39	479.37	-943.43	114.01	79.57	34.44	3.311		
9,500.00	9,400.54	9,497.87	9,400.54	18.54	19.24	-90.39	479.37	-943.43	114.01	79.44	34.57	3.298		
9,600.00	9,500.54	9,597.87	9,500.54	18.60	19.30	-90.39	479.37	-943.43	114.01	79.31	34.70	3.286		
9,700.00	9,600.54	9,697.87	9,600.54	18.67	19.37	-90.39	479.37	-943.43	114.01	79.18	34.83	3.273		
9,800.00	9,700.54	9,797.87	9,700.54	18.74	19.43	-90.39	479.37	-943.43	114.01	79.05	34.96	3.261		
9,900.00	9,800.54	9,897.87	9,800.54	18.81	19.49	-90.39	479.37	-943.43	114.01	78.92	35.10	3.249		

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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:			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)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
19,200.00	12,184.88	18,726.20	11,708.58	94.91	95.88	13.46	-6,743.93	-881.25	489.78	393.02	96.75	5.062
19,300.00	12,185.75	18,826.20	11,709.44	96.25	97.22	13.46	-6,843.92	-880.39	489.78	392.10	97.68	5.014
19,400.00	12,186.62	18,926.20	11,710.31	97.59	98.55	13.46	-6,943.91	-879.53	489.79	391.17	98.62	4.967
19,500.00	12,187.49	19,026.20	11,711.17	98.93	99.89	13.46	-7,043.91	-878.67	489.79	390.24	99.55	4.920
19,600.00	12,188.36	19,126.20	11,712.04	100.28	101.23	13.46	-7,143.90	-877.81	489.80	389.30	100.49	4.874
19,700.00	12,189.24	19,226.20	11,712.91	101.62	102.57	13.46	-7,243.89	-876.95	489.80	388.37	101.44	4.829
19,800.00	12,190.11	19,326.20	11,713.77	102.96	103.91	13.46	-7,343.88	-876.09	489.81	387.43	102.38	4.784
19,900.00	12,190.98	19,426.20	11,714.64	104.30	105.25	13.46	-7,443.88	-875.23	489.81	386.48	103.33	4.740
20,000.00	12,191.85	19,526.20	11,715.50	105.65	106.59	13.46	-7,543.87	-874.37	489.82	385.54	104.28	4.697
20,100.00	12,192.72	19,626.20	11,716.37	106.99	107.93	13.46	-7,643.86	-873.51	489.82	384.59	105.23	4.655
20,200.00	12,193.59	19,726.20	11,717.24	108.34	109.28	13.46	-7,743.85	-872.64	489.83	383.64	106.19	4.613
20,300.00	12,194.46	19,826.20	11,718.10	109.69	110.62	13.46	-7,843.85	-871.78	489.83	382.68	107.15	4.571
20,400.00	12,195.33	19,926.20	11,718.97	111.03	111.96	13.46	-7,943.84	-870.92	489.84	381.73	108.11	4.531
20,500.00	12,196.20	20,026.20	11,719.83	112.38	113.31	13.46	-8,043.83	-870.06	489.84	380.77	109.07	4.491
20,600.00	12,197.08	20,126.20	11,720.70	113.73	114.66	13.46	-8,143.83	-869.20	489.85	379.81	110.04	4.452
20,700.00	12,197.95	20,226.20	11,721.57	115.08	116.00	13.46	-8,243.82	-868.34	489.85	378.84	111.01	4.413
20,800.00	12,198.82	20,326.20	11,722.43	116.43	117.35	13.46	-8,343.81	-867.48	489.86	377.88	111.98	4.375
20,900.00	12,199.69	20,426.20	11,723.30	117.78	118.70	13.46	-8,443.80	-866.62	489.86	376.91	112.95	4.337
21,000.00	12,200.56	20,526.20	11,724.16	119.13	120.04	13.46	-8,543.80	-865.76	489.87	375.94	113.93	4.300
21,100.00	12,201.43	20,626.20	11,725.03	120.48	121.39	13.46	-8,643.79	-864.90	489.87	374.97	114.90	4.263
21,200.00	12,202.30	20,726.20	11,725.90	121.83	122.74	13.46	-8,743.78	-864.04	489.88	374.00	115.88	4.227
21,300.00	12,203.17	20,826.20	11,726.76	123.18	124.09	13.46	-8,843.77	-863.18	489.88	373.02	116.86	4.192
21,400.00	12,204.04	20,926.20	11,727.63	124.53	125.44	13.46	-8,943.77	-862.32	489.89	372.04	117.84	4.157
21,500.00	12,204.92	21,026.20	11,728.49	125.88	126.79	13.46	-9,043.76	-861.46	489.89	371.06	118.83	4.123
21,600.00	12,205.79	21,126.20	11,729.36	127.24	128.14	13.46	-9,143.75	-860.59	489.90	370.08	119.82	4.089
21,700.00	12,206.66	21,226.20	11,730.23	128.59	129.49	13.46	-9,243.74	-859.73	489.90	369.10	120.80	4.055
21,800.00	12,207.53	21,326.20	11,731.09	129.94	130.84	13.46	-9,343.74	-858.87	489.91	368.11	121.79	4.022
21,900.00	12,208.40	21,426.20	11,731.96	131.30	132.19	13.46	-9,443.73	-858.01	489.91	367.13	122.78	3.990
22,000.00	12,209.27	21,526.20	11,732.82	132.65	133.55	13.46	-9,543.72	-857.15	489.92	366.14	123.78	3.958
22,100.00	12,210.14	21,626.20	11,733.69	134.01	134.90	13.46	-9,643.71	-856.29	489.92	365.15	124.77	3.927
22,200.00	12,211.01	21,726.20	11,734.56	135.36	136.25	13.46	-9,743.71	-855.43	489.93	364.16	125.77	3.895
22,300.00	12,211.88	21,826.20	11,735.42	136.71	137.60	13.46	-9,843.70	-854.57	489.93	363.17	126.77	3.865
22,400.00	12,212.76	21,926.20	11,736.29	138.07	138.93	13.46	-9,943.69	-853.71	489.94	362.22	127.72	3.836
22,408.11	12,212.83	21,934.30	11,736.36	138.18	139.03	13.46	-9,951.80	-853.64	489.94	362.15	127.78	3.834
22,485.42	12,213.50	22,008.51	11,737.00	139.23	139.94	13.46	-10,026.00	-853.00	489.95	361.38	128.57	3.811
22,485.80	12,213.50	22,008.51	11,737.00	139.26	139.94	13.46	-10,026.00	-853.00	489.95	361.40	128.55	3.811

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 152H - OH - Plan 1

Offset Site Error: 0.00 usft

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	0.00	235.00	0.00	235.00				
100.00	100.00	99.00	99.00	0.98	0.97	0.00	235.00	0.00	235.00	233.05	1.95	120.209	
200.00	200.00	199.00	199.00	1.56	1.56	0.00	235.00	0.00	235.00	231.88	3.12	75.411	
300.00	300.00	299.00	299.00	1.98	1.98	0.00	235.00	0.00	235.00	231.04	3.96	59.372	CC
400.00	400.00	395.69	395.68	2.33	2.39	0.24	235.67	0.99	235.69	231.03	4.67	50.491	ES
500.00	500.00	492.23	492.15	2.63	2.76	0.97	237.70	4.01	237.83	232.54	5.29	44.958	
600.00	600.00	588.52	588.25	2.91	3.08	2.15	241.08	9.04	241.49	235.63	5.86	41.239	
700.00	700.00	686.47	685.85	3.16	3.24	3.70	245.70	15.90	246.56	240.30	6.26	39.378	
800.00	800.00	786.09	785.09	3.40	3.47	5.27	250.54	23.11	251.99	245.25	6.74	37.371	
900.00	900.00	885.71	884.33	3.62	3.72	6.77	255.39	30.31	257.60	250.39	7.21	35.711	
1,000.00	1,000.00	985.33	983.57	3.84	3.95	8.20	260.24	37.51	263.38	255.72	7.66	34.364	
1,100.00	1,100.00	1,084.95	1,082.81	4.04	4.18	9.58	265.08	44.72	269.32	261.22	8.10	33.256	
1,200.00	1,200.00	1,184.57	1,182.05	4.23	4.40	10.89	269.93	51.92	275.40	266.88	8.52	32.332	
1,300.00	1,300.00	1,284.19	1,281.29	4.42	4.62	12.14	274.78	59.13	281.62	272.70	8.93	31.552	
1,400.00	1,400.00	1,383.81	1,380.53	4.60	4.84	13.34	279.62	66.33	287.98	278.65	9.32	30.888	
1,500.00	1,499.99	1,483.39	1,479.73	4.77	5.05	14.53	284.47	73.53	294.22	284.51	9.71	30.308	
1,600.00	1,599.96	1,582.87	1,578.84	4.94	5.26	16.05	289.31	80.73	300.18	290.10	10.08	29.775	
1,700.00	1,699.86	1,682.23	1,677.82	5.10	5.46	17.82	294.14	87.91	305.99	295.54	10.45	29.277	
1,800.00	1,799.68	1,781.43	1,776.64	5.26	5.67	19.83	298.97	95.08	311.80	300.98	10.82	28.820	
1,900.00	1,899.37	1,880.44	1,875.27	5.43	5.87	22.07	303.78	102.24	317.76	306.57	11.18	28.411	
2,000.00	1,998.90	1,979.23	1,973.69	5.59	6.07	24.51	308.59	109.39	324.04	312.49	11.55	28.057	
2,100.00	2,098.26	2,077.78	2,071.86	5.76	6.27	27.14	313.38	116.52	330.84	318.93	11.91	27.767	
2,200.00	2,197.40	2,176.05	2,169.75	5.93	6.47	29.93	318.16	123.62	338.36	326.07	12.29	27.529	
2,300.00	2,296.30	2,268.76	2,262.07	6.10	6.67	32.73	322.96	130.75	347.29	334.64	12.66	27.441	
2,400.00	2,394.93	2,358.16	2,350.88	6.27	6.87	35.61	328.70	139.28	359.43	346.40	13.02	27.596	
2,500.00	2,493.26	2,446.35	2,438.21	6.45	7.07	38.55	335.50	149.38	375.11	361.71	13.40	27.997	
2,600.00	2,591.25	2,533.17	2,523.90	6.63	7.25	41.48	343.29	160.96	394.52	380.78	13.74	28.717	
2,700.00	2,688.87	2,627.01	2,616.32	6.82	7.41	44.59	352.38	174.48	416.89	402.79	14.10	29.572	
2,725.46	2,713.67	2,650.99	2,639.94	6.85	7.46	47.36	354.70	177.93	422.87	408.69	14.18	29.824	
2,800.00	2,786.22	2,721.14	2,709.02	6.98	7.60	50.69	361.50	188.04	440.93	426.47	14.45	30.509	
2,900.00	2,883.56	2,815.25	2,801.70	7.20	7.80	54.54	370.62	201.60	466.19	451.34	14.85	31.388	
3,000.00	2,980.90	2,909.36	2,894.38	7.43	7.99	58.11	379.75	215.16	492.48	477.23	15.25	32.288	
3,100.00	3,078.23	3,003.47	2,987.06	7.66	8.18	61.43	388.87	228.71	519.64	503.99	15.65	33.197	
3,200.00	3,175.57	3,097.59	3,079.75	7.90	8.38	64.52	397.99	242.27	547.54	531.49	16.05	34.107	
3,300.00	3,272.90	3,191.70	3,172.43	8.15	8.57	67.42	407.11	255.83	576.08	559.62	16.46	35.009	
3,400.00	3,370.24	3,285.81	3,265.11	8.40	8.77	70.14	416.23	269.39	605.16	588.30	16.86	35.898	
3,500.00	3,467.58	3,379.92	3,357.79	8.65	8.96	72.71	425.36	282.95	634.70	617.44	17.26	36.771	
3,600.00	3,564.91	3,474.04	3,450.48	8.91	9.16	75.14	434.48	296.51	664.65	646.99	17.66	37.626	
3,700.00	3,662.25	3,568.15	3,543.16	9.17	9.35	77.44	443.60	310.07	694.96	676.89	18.07	38.459	
3,800.00	3,759.58	3,662.26	3,635.84	9.43	9.54	79.65	452.72	323.62	725.58	707.10	18.47	39.277	
3,900.00	3,856.92	3,770.79	3,742.85	9.70	9.78	81.73	462.84	338.66	755.88	736.93	18.95	39.886	
4,000.00	3,954.26	3,888.80	3,859.71	9.97	10.03	83.26	471.99	352.26	783.81	764.35	19.47	40.268	
4,100.00	4,051.59	4,008.52	3,978.72	10.24	10.29	84.58	479.21	363.00	809.13	789.17	19.96	40.535	
4,200.00	4,148.93	4,129.74	4,099.58	10.52	10.53	85.89	484.40	370.71	831.80	811.37	20.43	40.710	
4,300.00	4,246.26	4,252.25	4,221.96	10.80	10.76	87.21	487.47	375.26	851.80	830.92	20.87	40.805	
4,400.00	4,343.60	4,372.90	4,342.60	11.08	10.90	88.53	488.35	376.58	869.13	847.91	21.22	40.958	
4,500.00	4,440.94	4,470.24	4,439.94	11.36	10.97	89.85	488.35	376.58	885.58	864.08	21.50	41.195	
4,600.00	4,538.27	4,567.58	4,537.27	11.64	11.05	91.17	488.35	376.58	902.30	880.52	21.79	41.416	
4,700.00	4,635.61	4,664.91	4,634.61	11.92	11.13	92.50	488.35	376.58	919.30	897.22	22.08	41.644	
4,800.00	4,732.95	4,762.25	4,731.95	12.21	11.21	93.82	488.35	376.58	936.55	914.18	22.36	41.877	
4,900.00	4,830.28	4,859.58	4,829.28	12.49	11.29	95.14	488.35	376.58	954.04	931.38	22.65	42.116	
5,000.00	4,927.62	4,956.92	4,926.62	12.78	11.37	96.46	488.35	376.58	971.75	948.81	22.94	42.359	

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 152H - OH - Plan 1

Offset Site Error: 0.00 usft

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)
5,100.00	5,024.95	5,054.26	5,023.95	13.07	11.45	141.10	488.35	376.58	989.68	966.45	23.23	42.605	
5,200.00	5,122.29	5,151.59	5,121.29	13.36	11.53	141.91	488.35	376.58	1,007.81	984.29	23.52	42.854	
5,300.00	5,219.63	5,248.93	5,218.63	13.65	11.61	142.69	488.35	376.58	1,026.13	1,002.33	23.80	43.106	
5,400.00	5,316.96	5,346.27	5,315.96	13.95	11.70	143.45	488.35	376.58	1,044.63	1,020.54	24.09	43.359	
5,500.00	5,414.30	5,443.60	5,413.30	14.24	11.78	144.18	488.35	376.58	1,063.31	1,038.93	24.38	43.612	
5,574.00	5,486.33	5,515.63	5,485.33	14.44	11.84	144.70	488.35	376.58	1,077.24	1,052.66	24.58	43.825	
5,600.00	5,511.65	5,540.95	5,510.65	14.51	11.86	144.91	488.35	376.58	1,082.10	1,057.46	24.64	43.909	
5,700.00	5,609.28	5,638.58	5,608.28	14.79	11.94	145.65	488.35	376.58	1,100.02	1,075.10	24.93	44.127	
5,800.00	5,707.27	5,736.57	5,706.27	15.06	12.02	146.32	488.35	376.58	1,116.65	1,091.44	25.21	44.298	
5,900.00	5,805.60	5,834.90	5,804.60	15.31	12.10	146.91	488.35	376.58	1,131.93	1,106.45	25.48	44.421	
6,000.00	5,904.23	5,933.53	5,903.23	15.54	12.18	147.44	488.35	376.58	1,145.85	1,120.10	25.75	44.497	
6,100.00	6,003.13	6,032.43	6,002.13	15.75	12.27	147.90	488.35	376.58	1,158.37	1,132.35	26.02	44.527	
6,200.00	6,102.27	6,131.58	6,101.27	15.95	12.35	148.29	488.35	376.58	1,169.47	1,143.20	26.27	44.512	
6,300.00	6,201.63	6,230.93	6,200.63	16.13	12.43	148.63	488.35	376.58	1,179.13	1,152.60	26.53	44.452	
6,400.00	6,301.17	6,330.47	6,300.17	16.29	12.51	148.92	488.35	376.58	1,187.32	1,160.55	26.77	44.350	
6,500.00	6,400.86	6,430.16	6,399.86	16.43	12.60	149.14	488.35	376.58	1,194.05	1,167.04	27.01	44.207	
6,600.00	6,500.67	6,529.98	6,499.67	16.56	12.68	149.32	488.35	376.58	1,199.29	1,172.05	27.24	44.024	
6,700.00	6,600.58	6,629.88	6,599.58	16.67	12.76	149.44	488.35	376.58	1,203.04	1,175.57	27.46	43.805	
6,800.00	6,700.54	6,729.84	6,699.54	16.76	12.84	149.52	488.35	376.58	1,205.28	1,177.61	27.67	43.553	
6,899.47	6,800.00	6,829.30	6,799.00	16.83	12.93	89.61	488.35	376.58	1,206.03	1,178.18	27.85	43.307	
6,900.00	6,800.54	6,829.84	6,799.54	16.83	12.93	89.61	488.35	376.58	1,206.03	1,178.18	27.85	43.306	
7,000.00	6,900.54	6,929.84	6,899.54	16.90	13.01	89.61	488.35	376.58	1,206.03	1,178.03	28.00	43.077	
7,100.00	7,000.54	7,029.84	6,999.54	16.96	13.09	89.61	488.35	376.58	1,206.03	1,177.88	28.14	42.852	
7,200.00	7,100.54	7,129.84	7,099.54	17.02	13.18	89.61	488.35	376.58	1,206.03	1,177.74	28.29	42.628	
7,300.00	7,200.54	7,229.84	7,199.54	17.09	13.26	89.61	488.35	376.58	1,206.03	1,177.59	28.44	42.407	
7,400.00	7,300.54	7,329.84	7,299.54	17.15	13.34	89.61	488.35	376.58	1,206.03	1,177.44	28.59	42.187	
7,500.00	7,400.54	7,429.84	7,399.54	17.22	13.43	89.61	488.35	376.58	1,206.03	1,177.29	28.74	41.970	
7,600.00	7,500.54	7,529.84	7,499.54	17.28	13.51	89.61	488.35	376.58	1,206.03	1,177.14	28.88	41.755	
7,700.00	7,600.54	7,629.84	7,599.54	17.35	13.59	89.61	488.35	376.58	1,206.03	1,177.00	29.03	41.542	
7,800.00	7,700.54	7,729.84	7,699.54	17.41	13.68	89.61	488.35	376.58	1,206.03	1,176.85	29.18	41.330	
7,900.00	7,800.54	7,829.84	7,799.54	17.48	13.76	89.61	488.35	376.58	1,206.03	1,176.70	29.33	41.121	
8,000.00	7,900.54	7,929.84	7,899.54	17.54	13.84	89.61	488.35	376.58	1,206.03	1,176.55	29.48	40.914	
8,100.00	8,000.54	8,029.84	7,999.54	17.61	13.92	89.61	488.35	376.58	1,206.03	1,176.40	29.63	40.708	
8,200.00	8,100.54	8,129.84	8,099.54	17.67	14.01	89.61	488.35	376.58	1,206.03	1,176.25	29.78	40.504	
8,300.00	8,200.54	8,229.84	8,199.54	17.74	14.09	89.61	488.35	376.58	1,206.03	1,176.10	29.92	40.303	
8,400.00	8,300.54	8,329.84	8,299.54	17.80	14.17	89.61	488.35	376.58	1,206.03	1,175.95	30.07	40.103	
8,500.00	8,400.54	8,429.84	8,399.54	17.87	14.26	89.61	488.35	376.58	1,206.03	1,175.81	30.22	39.904	
8,600.00	8,500.54	8,529.84	8,499.54	17.94	14.34	89.61	488.35	376.58	1,206.03	1,175.66	30.37	39.708	
8,700.00	8,600.54	8,629.84	8,599.54	18.00	14.42	89.61	488.35	376.58	1,206.03	1,175.51	30.52	39.514	
8,800.00	8,700.54	8,729.84	8,699.54	18.07	14.51	89.61	488.35	376.58	1,206.03	1,175.36	30.67	39.321	
8,900.00	8,800.54	8,829.84	8,799.54	18.14	14.59	89.61	488.35	376.58	1,206.03	1,175.21	30.82	39.130	
9,000.00	8,900.54	8,929.84	8,899.54	18.20	14.67	89.61	488.35	376.58	1,206.03	1,175.06	30.97	38.940	
9,100.00	9,000.54	9,029.84	8,999.54	18.27	14.75	89.61	488.35	376.58	1,206.03	1,174.91	31.12	38.752	
9,200.00	9,100.54	9,129.84	9,099.54	18.34	14.84	89.61	488.35	376.58	1,206.03	1,174.76	31.27	38.566	
9,300.00	9,200.54	9,229.84	9,199.54	18.40	14.92	89.61	488.35	376.58	1,206.03	1,174.61	31.42	38.382	
9,400.00	9,300.54	9,329.84	9,299.54	18.47	15.00	89.61	488.35	376.58	1,206.03	1,174.46	31.57	38.199	
9,500.00	9,400.54	9,429.84	9,399.54	18.54	15.09	89.61	488.35	376.58	1,206.03	1,174.31	31.72	38.018	
9,600.00	9,500.54	9,529.84	9,499.54	18.60	15.17	89.61	488.35	376.58	1,206.03	1,174.15	31.87	37.838	
9,700.00	9,600.54	9,629.84	9,599.54	18.67	15.25	89.61	488.35	376.58	1,206.03	1,174.00	32.02	37.660	
9,800.00	9,700.54	9,729.84	9,699.54	18.74	15.33	89.61	488.35	376.58	1,206.03	1,173.85	32.17	37.484	
9,900.00	9,800.54	9,829.84	9,799.54	18.81	15.42	89.61	488.35	376.58	1,206.03	1,173.70	32.33	37.309	
10,000.00	9,900.54	9,929.84	9,899.54	18.88	15.50	89.61	488.35	376.58	1,206.03	1,173.55	32.48	37.135	

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 152H - OH - Plan 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)													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)						
19,400.00	12,186.62	18,854.84	11,709.00	97.59	99.66	-68.44	-6,932.60	440.48	1,296.81	1,111.52		185.29	6.999	
19,500.00	12,187.49	18,954.84	11,709.88	98.93	101.01	-68.44	-7,032.59	441.34	1,296.81	1,109.00		187.81	6.905	
19,600.00	12,188.36	19,054.84	11,710.75	100.28	102.36	-68.44	-7,132.59	442.20	1,296.81	1,106.47		190.34	6.813	
19,700.00	12,189.24	19,154.84	11,711.63	101.62	103.72	-68.44	-7,232.58	443.06	1,296.81	1,103.95		192.86	6.724	
19,800.00	12,190.11	19,254.84	11,712.51	102.96	105.07	-68.44	-7,332.57	443.92	1,296.81	1,101.42		195.39	6.637	
19,900.00	12,190.98	19,354.84	11,713.38	104.30	106.42	-68.44	-7,432.56	444.78	1,296.80	1,098.89		197.91	6.552	
20,000.00	12,191.85	19,454.84	11,714.26	105.65	107.78	-68.44	-7,532.56	445.64	1,296.80	1,096.36		200.44	6.470	
20,100.00	12,192.72	19,554.84	11,715.14	106.99	109.13	-68.44	-7,632.55	446.50	1,296.80	1,093.83		202.97	6.389	
20,200.00	12,193.59	19,654.84	11,716.01	108.34	110.48	-68.44	-7,732.54	447.36	1,296.80	1,091.30		205.50	6.310	
20,300.00	12,194.46	19,754.84	11,716.89	109.69	111.84	-68.44	-7,832.53	448.23	1,296.80	1,088.76		208.03	6.234	
20,400.00	12,195.33	19,854.84	11,717.77	111.03	113.19	-68.44	-7,932.53	449.09	1,296.80	1,086.23		210.57	6.159	
20,500.00	12,196.20	19,954.84	11,718.64	112.38	114.55	-68.44	-8,032.52	449.95	1,296.79	1,083.69		213.10	6.085	
20,600.00	12,197.08	20,054.84	11,719.52	113.73	115.91	-68.44	-8,132.51	450.81	1,296.79	1,081.16		215.63	6.014	
20,700.00	12,197.95	20,154.84	11,720.39	115.08	117.26	-68.44	-8,232.50	451.67	1,296.79	1,078.62		218.17	5.944	
20,800.00	12,198.82	20,254.84	11,721.27	116.43	118.62	-68.44	-8,332.50	452.53	1,296.79	1,076.08		220.71	5.876	
20,900.00	12,199.69	20,354.84	11,722.15	117.78	119.98	-68.44	-8,432.49	453.39	1,296.79	1,073.54		223.24	5.809	
21,000.00	12,200.56	20,454.84	11,723.02	119.13	121.33	-68.44	-8,532.48	454.25	1,296.79	1,071.01		225.78	5.744	
21,100.00	12,201.43	20,554.84	11,723.90	120.48	122.69	-68.44	-8,632.47	455.11	1,296.78	1,068.47		228.32	5.680	
21,200.00	12,202.30	20,654.84	11,724.78	121.83	124.05	-68.44	-8,732.47	455.97	1,296.78	1,065.92		230.86	5.617	
21,300.00	12,203.17	20,754.84	11,725.65	123.18	125.41	-68.44	-8,832.46	456.84	1,296.78	1,063.38		233.40	5.556	
21,400.00	12,204.04	20,854.84	11,726.53	124.53	126.76	-68.44	-8,932.45	457.70	1,296.78	1,060.84		235.94	5.496	
21,500.00	12,204.92	20,954.84	11,727.41	125.88	128.12	-68.44	-9,032.44	458.56	1,296.78	1,058.30		238.48	5.438	
21,600.00	12,205.79	21,054.84	11,728.28	127.24	129.48	-68.44	-9,132.44	459.42	1,296.78	1,055.75		241.02	5.380	
21,700.00	12,206.66	21,154.84	11,729.16	128.59	130.84	-68.44	-9,232.43	460.28	1,296.77	1,053.21		243.56	5.324	
21,800.00	12,207.53	21,254.84	11,730.04	129.94	132.20	-68.44	-9,332.42	461.14	1,296.77	1,050.67		246.11	5.269	
21,900.00	12,208.40	21,354.84	11,730.91	131.30	133.56	-68.44	-9,432.41	462.00	1,296.77	1,048.12		248.65	5.215	
22,000.00	12,209.27	21,454.84	11,731.79	132.65	134.92	-68.44	-9,532.41	462.86	1,296.77	1,045.57		251.19	5.162	
22,100.00	12,210.14	21,554.84	11,732.66	134.01	136.28	-68.44	-9,632.40	463.72	1,296.77	1,043.03		253.74	5.111	
22,200.00	12,211.01	21,654.84	11,733.54	135.36	137.64	-68.44	-9,732.39	464.58	1,296.76	1,040.48		256.28	5.060	
22,300.00	12,211.88	21,754.84	11,734.42	136.71	139.00	-68.44	-9,832.38	465.44	1,296.76	1,037.93		258.83	5.010	
22,400.00	12,212.76	21,854.84	11,735.29	138.07	140.36	-68.44	-9,932.38	466.31	1,296.76	1,035.39		261.38	4.961	
22,480.67	12,213.46	21,935.47	11,736.00	139.16	141.45	-68.44	-10,013.00	467.00	1,296.76	1,033.33		263.43	4.923	
22,485.42	12,213.50	21,935.47	11,736.00	139.23	141.45	-68.44	-10,013.00	467.00	1,296.77	1,033.29		263.48	4.922	SF
22,485.80	12,213.50	21,935.47	11,736.00	139.26	141.45	-68.44	-10,013.00	467.00	1,296.77	1,033.29		263.48	4.922	

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 156H - OH - Plan 1														Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)														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)	Between Centres (usft)	Between Ellipses (usft)					
1,500.00	1,499.99	1,887.76	1,875.89	4.77	5.88	127.80	909.55	2,221.47	2,429.93	2,419.44	10.49	231.667			
1,600.00	1,599.96	1,985.49	1,971.49	4.94	6.09	128.29	891.12	2,212.93	2,416.19	2,405.30	10.88	222.002			
1,700.00	1,699.86	2,083.13	2,066.99	5.10	6.30	128.80	872.71	2,204.39	2,403.63	2,392.35	11.28	213.120			
1,800.00	1,799.68	2,180.65	2,162.38	5.26	6.51	129.34	854.32	2,195.86	2,392.30	2,380.62	11.67	204.933			
1,900.00	1,899.37	2,278.01	2,257.62	5.43	6.72	129.90	835.96	2,187.35	2,382.23	2,370.16	12.07	197.363			
2,000.00	1,998.90	2,375.20	2,352.68	5.59	6.94	130.49	817.64	2,178.85	2,373.46	2,360.99	12.47	190.379			
2,100.00	2,098.26	2,472.17	2,447.54	5.76	7.20	131.09	799.35	2,170.37	2,366.04	2,353.16	12.87	183.770			
2,200.00	2,197.40	2,568.90	2,542.16	5.93	7.47	131.72	781.11	2,161.92	2,360.00	2,346.72	13.28	177.711			
2,300.00	2,296.30	2,665.36	2,636.51	6.10	7.74	132.36	762.92	2,153.48	2,355.40	2,341.71	13.69	172.029			
2,400.00	2,394.93	2,761.53	2,730.57	6.27	8.01	133.02	744.79	2,145.07	2,352.27	2,338.16	14.11	166.712			
2,500.00	2,493.26	2,857.36	2,824.32	6.45	8.28	133.70	726.71	2,136.70	2,350.66	2,336.13	14.53	161.729			
2,552.70	2,544.94	2,907.72	2,873.58	6.55	8.42	134.06	717.22	2,132.29	2,350.44	2,335.68	14.76	159.222	CC		
2,600.00	2,591.25	2,952.84	2,917.71	6.63	8.55	134.39	708.71	2,128.35	2,350.62	2,335.65	14.97	157.055	ES		
2,700.00	2,688.87	3,047.93	3,010.72	6.82	8.82	135.10	690.78	2,120.03	2,352.19	2,336.79	15.41	152.668			
2,725.46	2,713.67	3,072.07	3,034.34	6.85	8.88	135.28	686.23	2,117.92	2,352.86	2,337.36	15.50	151.803			
2,800.00	2,786.22	3,142.72	3,103.44	6.98	9.09	135.82	672.90	2,111.75	2,355.07	2,339.26	15.81	148.974			
2,900.00	2,883.56	3,237.50	3,196.15	7.20	9.36	136.56	655.03	2,103.46	2,358.42	2,342.16	16.26	145.011			
3,000.00	2,980.90	3,332.28	3,288.86	7.43	9.63	137.29	637.16	2,095.17	2,362.20	2,345.47	16.72	141.247			
3,100.00	3,078.23	3,427.06	3,381.57	7.66	9.90	138.01	619.29	2,086.89	2,366.39	2,349.20	17.19	137.672			
3,200.00	3,175.57	3,521.83	3,474.28	7.90	10.17	138.74	601.41	2,078.60	2,371.01	2,353.36	17.66	134.279			
3,300.00	3,272.90	3,616.61	3,566.99	8.15	10.44	139.46	583.54	2,070.31	2,376.05	2,357.93	18.12	131.100			
3,400.00	3,370.24	3,700.00	3,648.60	8.40	10.64	140.09	568.02	2,063.11	2,381.66	2,363.13	18.54	128.485			
3,500.00	3,467.58	3,767.38	3,714.77	8.65	10.82	140.57	556.49	2,057.77	2,388.57	2,369.63	18.94	126.124			
3,600.00	3,564.91	3,837.93	3,784.28	8.91	11.00	141.06	545.55	2,052.70	2,396.84	2,377.50	19.34	123.936			
3,700.00	3,662.25	3,900.00	3,845.61	9.17	11.15	141.46	536.90	2,048.69	2,406.44	2,386.73	19.71	122.079			
3,800.00	3,759.58	3,980.46	3,925.33	9.43	11.33	141.94	527.03	2,044.11	2,417.26	2,397.15	20.11	120.192			
3,900.00	3,856.92	4,052.34	3,996.73	9.70	11.47	142.35	519.50	2,040.62	2,429.34	2,408.86	20.48	118.623	SF		

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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	0.00	0.00	0.50	0.50	-45.00	25.00	-25.00	35.36				
100.00	100.00	100.00	100.00	0.98	0.98	-45.00	25.00	-25.00	35.36	33.39	1.96	18.018	CC, ES
200.00	200.00	200.00	200.00	1.56	1.56	-45.00	25.00	-25.00	35.36	32.23	3.12	11.324	
300.00	300.00	300.00	300.00	1.98	1.98	-45.00	25.00	-25.00	35.36	31.39	3.96	8.923	
400.00	400.00	399.13	399.12	2.33	2.41	-45.76	25.50	-26.19	36.56	31.83	4.73	7.735	
500.00	500.00	498.12	498.03	2.63	2.78	-47.77	26.99	-29.74	40.21	34.81	5.39	7.458	
600.00	600.00	596.85	596.55	2.91	3.11	-50.41	29.46	-35.63	46.36	40.37	5.99	7.736	
700.00	700.00	696.05	695.39	3.16	3.25	-52.99	32.74	-43.44	54.59	48.21	6.39	8.546	
800.00	800.00	795.67	794.63	3.40	3.49	-54.94	36.11	-51.45	63.08	56.21	6.87	9.177	
900.00	900.00	895.29	893.87	3.62	3.73	-56.42	39.47	-59.45	71.62	64.28	7.34	9.759	
1,000.00	1,000.00	994.91	993.11	3.84	3.97	-57.59	42.83	-67.46	80.20	72.41	7.79	10.300	
1,100.00	1,100.00	1,094.53	1,092.35	4.04	4.19	-58.53	46.19	-75.46	88.81	80.59	8.22	10.806	
1,200.00	1,200.00	1,194.15	1,191.59	4.23	4.42	-59.30	49.55	-83.47	97.43	88.80	8.64	11.281	
1,300.00	1,300.00	1,292.66	1,289.71	4.42	4.55	-59.96	52.96	-91.57	106.28	97.33	8.95	11.871	
1,400.00	1,400.00	1,389.25	1,385.71	4.60	4.80	-60.62	57.08	-101.38	117.22	107.85	9.37	12.513	
1,500.00	1,499.99	1,485.36	1,480.94	4.77	5.05	-1.36	62.11	-113.36	129.79	120.02	9.77	13.282	
1,600.00	1,599.96	1,581.05	1,575.39	4.94	5.29	-2.02	68.03	-127.47	143.13	132.97	10.16	14.088	
1,700.00	1,699.86	1,676.31	1,669.01	5.10	5.54	-2.66	74.84	-143.69	157.22	146.69	10.54	14.919	
1,800.00	1,799.68	1,771.11	1,761.71	5.26	5.77	-3.28	82.51	-161.96	172.07	161.16	10.91	15.771	
1,900.00	1,899.37	1,867.68	1,855.69	5.43	5.96	-3.88	91.13	-182.47	187.36	176.12	11.24	16.664	
2,000.00	1,998.90	1,966.69	1,951.96	5.59	6.17	-4.45	100.08	-203.78	201.28	189.66	11.62	17.325	
2,100.00	2,098.26	2,065.92	2,048.45	5.76	6.38	-4.98	109.05	-225.15	213.49	201.48	12.01	17.781	
2,200.00	2,197.40	2,165.35	2,145.12	5.93	6.60	-5.50	118.04	-246.55	223.99	211.59	12.40	18.067	
2,300.00	2,296.30	2,264.94	2,241.96	6.10	6.82	-6.02	127.04	-267.99	232.78	219.99	12.79	18.198	
2,400.00	2,394.93	2,364.66	2,338.93	6.27	7.06	-6.54	136.06	-289.46	239.86	226.67	13.19	18.187	
2,500.00	2,493.26	2,464.49	2,435.99	6.45	7.31	-7.09	145.08	-310.95	245.23	231.64	13.59	18.046	
2,600.00	2,591.25	2,564.39	2,533.13	6.63	7.59	-7.67	154.11	-332.46	248.90	234.90	13.99	17.789	
2,700.00	2,688.87	2,664.33	2,630.31	6.82	7.88	-8.29	163.15	-353.97	250.86	236.46	14.40	17.419	
2,725.46	2,713.67	2,689.78	2,655.06	6.85	7.96	-8.45	165.45	-359.45	251.09	236.60	14.48	17.337	
2,800.00	2,786.22	2,764.28	2,727.51	6.98	8.18	-8.94	172.18	-375.49	251.60	236.84	14.76	17.043	
2,900.00	2,883.56	2,864.24	2,824.70	7.20	8.47	-9.60	181.22	-397.01	252.33	237.15	15.18	16.626	
3,000.00	2,980.90	2,964.20	2,921.89	7.43	8.77	-10.25	190.26	-418.53	253.09	237.49	15.59	16.231	
3,100.00	3,078.23	3,064.15	3,019.08	7.66	9.07	-10.90	199.29	-440.05	253.87	237.86	16.01	15.857	
3,200.00	3,175.57	3,164.11	3,116.28	7.90	9.37	-11.54	208.33	-461.57	254.70	238.26	16.43	15.501	
3,300.00	3,272.90	3,264.06	3,213.47	8.15	9.68	-12.18	217.37	-483.09	255.55	238.70	16.85	15.163	
3,400.00	3,370.24	3,364.02	3,310.66	8.40	9.98	-12.81	226.40	-504.61	256.43	239.16	17.28	14.841	
3,500.00	3,467.58	3,463.98	3,407.86	8.65	10.29	-13.44	235.44	-526.12	257.35	239.64	17.71	14.535	
3,600.00	3,564.91	3,563.93	3,505.05	8.91	10.59	-14.07	244.47	-547.64	258.30	240.16	18.14	14.242	
3,700.00	3,662.25	3,663.89	3,602.24	9.17	10.90	-14.69	253.51	-569.16	259.28	240.71	18.57	13.964	
3,800.00	3,759.58	3,763.84	3,699.43	9.43	11.21	-15.31	262.55	-590.68	260.28	241.28	19.00	13.697	
3,900.00	3,856.92	3,863.80	3,796.63	9.70	11.52	-15.92	271.58	-612.20	261.32	241.88	19.44	13.443	
4,000.00	3,954.26	3,963.75	3,893.82	9.97	11.83	-16.53	280.62	-633.72	262.39	242.51	19.88	13.200	
4,100.00	4,051.59	4,063.71	3,991.01	10.24	12.14	-17.13	289.66	-655.24	263.49	243.17	20.32	12.967	
4,200.00	4,148.93	4,163.67	4,088.21	10.52	12.45	-17.73	298.69	-676.76	264.61	243.85	20.76	12.743	
4,300.00	4,246.26	4,263.62	4,185.40	10.80	12.76	-18.32	307.73	-698.28	265.77	244.56	21.21	12.529	
4,400.00	4,343.60	4,363.58	4,282.59	11.08	13.07	-18.90	316.77	-719.79	266.95	245.29	21.66	12.324	
4,500.00	4,440.94	4,463.53	4,379.78	11.36	13.38	-19.48	325.80	-741.31	268.16	246.05	22.11	12.127	
4,600.00	4,538.27	4,563.49	4,476.98	11.64	13.69	-20.06	334.84	-762.83	269.40	246.83	22.57	11.937	
4,700.00	4,635.61	4,663.45	4,574.17	11.92	14.01	-20.63	343.87	-784.35	270.66	247.64	23.03	11.755	
4,800.00	4,732.95	4,763.40	4,671.36	12.21	14.32	-21.20	352.91	-805.87	271.95	248.47	23.49	11.579	
4,900.00	4,830.28	4,863.36	4,768.56	12.49	14.63	-21.76	361.95	-827.39	273.27	249.32	23.95	11.410	
5,000.00	4,927.62	4,963.31	4,865.75	12.78	14.95	-22.31	370.98	-848.91	274.61	250.20	24.41	11.248	

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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		Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)		
5,100.00	5,024.95	5,063.27	4,962.94	13.07	15.26	-22.86	380.02	-870.43	275.98	251.10	24.88	11.091
5,200.00	5,122.29	5,163.22	5,060.13	13.36	15.57	-23.40	389.06	-891.94	277.37	252.02	25.36	10.940
5,300.00	5,219.63	5,263.18	5,157.33	13.65	15.89	-23.94	398.09	-913.46	278.79	252.96	25.83	10.794
5,400.00	5,316.96	5,363.14	5,254.52	13.95	16.20	-24.47	407.13	-934.98	280.24	253.93	26.31	10.653
5,500.00	5,414.30	5,463.09	5,351.71	14.24	16.52	-25.00	416.16	-956.50	281.70	254.92	26.79	10.516
5,574.00	5,486.33	5,537.06	5,423.64	14.44	16.75	-25.39	422.85	-972.43	282.80	255.67	27.13	10.424
5,600.00	5,511.65	5,563.05	5,448.91	14.51	16.83	-25.52	425.20	-978.02	283.25	256.00	27.24	10.397
5,700.00	5,609.28	5,662.99	5,546.09	14.79	17.15	-25.93	434.24	-999.54	285.95	258.23	27.72	10.316
5,800.00	5,707.27	5,767.90	5,648.24	15.06	17.47	-26.24	443.48	-1,021.55	289.67	261.46	28.21	10.267
5,900.00	5,805.60	5,875.60	5,753.72	15.31	17.77	-26.56	451.90	-1,041.59	292.47	263.77	28.70	10.190
6,000.00	5,904.23	5,983.38	5,859.85	15.54	18.04	-26.91	459.16	-1,058.90	294.18	265.01	29.16	10.087
6,100.00	6,003.13	6,091.17	5,966.48	15.75	18.28	-27.28	465.27	-1,073.44	294.79	265.19	29.60	9.960
6,200.00	6,102.27	6,198.95	6,073.50	15.95	18.48	-27.69	470.21	-1,085.20	294.32	264.32	30.00	9.811
6,300.00	6,201.63	6,306.67	6,180.77	16.13	18.65	-28.13	473.98	-1,094.17	292.76	262.39	30.37	9.640
6,400.00	6,301.17	6,414.27	6,288.16	16.29	18.78	-28.60	476.57	-1,100.34	290.13	259.43	30.71	9.449
6,500.00	6,400.86	6,521.71	6,395.54	16.43	18.89	-29.13	477.98	-1,103.71	286.43	255.44	30.99	9.242
6,600.00	6,500.67	6,626.85	6,500.67	16.56	18.96	-29.68	478.28	-1,104.42	281.78	250.56	31.22	9.026
6,700.00	6,600.58	6,726.76	6,600.58	16.67	19.02	-30.11	478.28	-1,104.42	278.00	246.56	31.44	8.842
6,800.00	6,700.54	6,826.72	6,700.54	16.76	19.07	-30.37	478.28	-1,104.42	275.75	244.11	31.64	8.714
6,899.47	6,800.00	6,926.18	6,800.00	16.83	19.12	-90.39	478.28	-1,104.42	275.01	243.21	31.80	8.649
6,900.00	6,800.54	6,926.72	6,800.54	16.83	19.12	-90.39	478.28	-1,104.42	275.01	243.21	31.80	8.649
7,000.00	6,900.54	7,026.72	6,900.54	16.90	19.18	-90.39	478.28	-1,104.42	275.01	243.09	31.92	8.616
7,100.00	7,000.54	7,126.72	7,000.54	16.96	19.23	-90.39	478.28	-1,104.42	275.01	242.97	32.04	8.584
7,200.00	7,100.54	7,226.72	7,100.54	17.02	19.29	-90.39	478.28	-1,104.42	275.01	242.85	32.16	8.552
7,300.00	7,200.54	7,326.72	7,200.54	17.09	19.34	-90.39	478.28	-1,104.42	275.01	242.73	32.28	8.520
7,400.00	7,300.54	7,426.72	7,300.54	17.15	19.40	-90.39	478.28	-1,104.42	275.01	242.61	32.40	8.488
7,500.00	7,400.54	7,526.72	7,400.54	17.22	19.45	-90.39	478.28	-1,104.42	275.01	242.48	32.52	8.456
7,600.00	7,500.54	7,626.72	7,500.54	17.28	19.51	-90.39	478.28	-1,104.42	275.01	242.36	32.65	8.424
7,700.00	7,600.54	7,726.72	7,600.54	17.35	19.56	-90.39	478.28	-1,104.42	275.01	242.24	32.77	8.393
7,800.00	7,700.54	7,826.72	7,700.54	17.41	19.62	-90.39	478.28	-1,104.42	275.01	242.12	32.89	8.361
7,900.00	7,800.54	7,926.72	7,800.54	17.48	19.68	-90.39	478.28	-1,104.42	275.01	241.99	33.01	8.330
8,000.00	7,900.54	8,026.72	7,900.54	17.54	19.73	-90.39	478.28	-1,104.42	275.01	241.87	33.14	8.299
8,100.00	8,000.54	8,126.72	8,000.54	17.61	19.79	-90.39	478.28	-1,104.42	275.01	241.74	33.26	8.268
8,200.00	8,100.54	8,226.72	8,100.54	17.67	19.84	-90.39	478.28	-1,104.42	275.01	241.62	33.39	8.237
8,300.00	8,200.54	8,326.72	8,200.54	17.74	19.90	-90.39	478.28	-1,104.42	275.01	241.50	33.51	8.207
8,400.00	8,300.54	8,426.72	8,300.54	17.80	19.96	-90.39	478.28	-1,104.42	275.01	241.37	33.64	8.176
8,500.00	8,400.54	8,526.72	8,400.54	17.87	20.01	-90.39	478.28	-1,104.42	275.01	241.25	33.76	8.146
8,600.00	8,500.54	8,626.72	8,500.54	17.94	20.07	-90.39	478.28	-1,104.42	275.01	241.12	33.89	8.116
8,700.00	8,600.54	8,726.72	8,600.54	18.00	20.13	-90.39	478.28	-1,104.42	275.01	240.99	34.01	8.086
8,800.00	8,700.54	8,826.72	8,700.54	18.07	20.19	-90.39	478.28	-1,104.42	275.01	240.87	34.14	8.056
8,900.00	8,800.54	8,926.72	8,800.54	18.14	20.24	-90.39	478.28	-1,104.42	275.01	240.74	34.26	8.026
9,000.00	8,900.54	9,026.72	8,900.54	18.20	20.30	-90.39	478.28	-1,104.42	275.01	240.62	34.39	7.996
9,100.00	9,000.54	9,126.72	9,000.54	18.27	20.36	-90.39	478.28	-1,104.42	275.01	240.49	34.52	7.967
9,200.00	9,100.54	9,226.72	9,100.54	18.34	20.42	-90.39	478.28	-1,104.42	275.01	240.36	34.65	7.938
9,300.00	9,200.54	9,326.72	9,200.54	18.40	20.48	-90.39	478.28	-1,104.42	275.01	240.23	34.77	7.909
9,400.00	9,300.54	9,426.72	9,300.54	18.47	20.54	-90.39	478.28	-1,104.42	275.01	240.10	34.90	7.880
9,500.00	9,400.54	9,526.72	9,400.54	18.54	20.59	-90.39	478.28	-1,104.42	275.01	239.98	35.03	7.851
9,600.00	9,500.54	9,626.72	9,500.54	18.60	20.65	-90.39	478.28	-1,104.42	275.01	239.85	35.16	7.822
9,700.00	9,600.54	9,726.72	9,600.54	18.67	20.71	-90.39	478.28	-1,104.42	275.01	239.72	35.29	7.793
9,800.00	9,700.54	9,826.72	9,700.54	18.74	20.77	-90.39	478.28	-1,104.42	275.01	239.59	35.42	7.765
9,900.00	9,800.54	9,926.72	9,800.54	18.81	20.83	-90.39	478.28	-1,104.42	275.01	239.46	35.55	7.737
10,000.00	9,900.54	10,026.72	9,900.54	18.88	20.89	-90.39	478.28	-1,104.42	275.01	239.33	35.68	7.709

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 211H - OH - Plan 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)													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)						
10,100.00	10,000.54	10,126.72	10,000.54	18.94	20.95	-90.39	478.28	-1,104.42	275.01	239.20	35.81	7.681		
10,200.00	10,100.54	10,226.72	10,100.54	19.01	21.01	-90.39	478.28	-1,104.42	275.01	239.07	35.94	7.653		
10,300.00	10,200.54	10,326.72	10,200.54	19.08	21.07	-90.39	478.28	-1,104.42	275.01	238.94	36.07	7.625		
10,400.00	10,300.54	10,426.72	10,300.54	19.15	21.13	-90.39	478.28	-1,104.42	275.01	238.81	36.20	7.598		
10,500.00	10,400.54	10,526.72	10,400.54	19.22	21.19	-90.39	478.28	-1,104.42	275.01	238.68	36.33	7.570		
10,600.00	10,500.54	10,626.72	10,500.54	19.28	21.25	-90.39	478.28	-1,104.42	275.01	238.55	36.46	7.543		
10,700.00	10,600.54	10,726.72	10,600.54	19.35	21.31	-90.39	478.28	-1,104.42	275.01	238.42	36.59	7.516		
10,800.00	10,700.54	10,826.72	10,700.54	19.42	21.37	-90.39	478.28	-1,104.42	275.01	238.28	36.72	7.489		
10,900.00	10,800.54	10,926.72	10,800.54	19.49	21.43	-90.39	478.28	-1,104.42	275.01	238.15	36.85	7.462		
11,000.00	10,900.54	11,026.72	10,900.54	19.56	21.49	-90.39	478.28	-1,104.42	275.01	238.02	36.99	7.435		
11,100.00	11,000.54	11,126.72	11,000.54	19.63	21.55	-90.39	478.28	-1,104.42	275.01	237.89	37.12	7.409		
11,200.00	11,100.54	11,226.72	11,100.54	19.70	21.62	-90.39	478.28	-1,104.42	275.01	237.75	37.25	7.382		
11,300.00	11,200.54	11,326.72	11,200.54	19.77	21.68	-90.39	478.28	-1,104.42	275.01	237.62	37.38	7.356		
11,400.00	11,300.54	11,426.72	11,300.54	19.84	21.74	-90.39	478.28	-1,104.42	275.01	237.49	37.52	7.330		
11,500.00	11,400.54	11,526.72	11,400.54	19.91	21.80	-90.39	478.28	-1,104.42	275.01	237.35	37.65	7.304		
11,600.00	11,500.54	11,626.72	11,500.54	19.98	21.86	-90.39	478.28	-1,104.42	275.01	237.22	37.79	7.278		
11,653.47	11,554.00	11,680.18	11,554.00	20.00	21.90	-90.39	478.28	-1,104.42	275.01	237.16	37.84	7.267		
11,653.56	11,554.10	11,680.28	11,554.10	20.00	21.90	-90.39	478.28	-1,104.42	275.01	237.16	37.84	7.267		
11,700.00	11,600.48	11,726.67	11,600.48	20.03	21.92	90.50	478.28	-1,104.42	275.02	237.16	37.85	7.265		
11,750.00	11,650.08	11,776.26	11,650.08	20.05	21.95	91.77	478.28	-1,104.42	275.14	237.35	37.79	7.282		
11,800.00	11,698.94	11,825.12	11,698.94	20.05	21.98	93.85	478.28	-1,104.42	275.67	238.00	37.67	7.318		
11,850.00	11,746.70	11,872.89	11,746.70	20.04	22.01	96.62	478.28	-1,104.42	277.08	239.56	37.52	7.384		
11,900.00	11,793.00	11,919.18	11,793.00	20.02	22.04	99.88	478.28	-1,104.42	280.01	242.63	37.39	7.490		
11,950.00	11,837.47	11,963.66	11,837.47	20.00	22.07	103.43	478.28	-1,104.42	285.19	247.89	37.30	7.646		
12,000.00	11,879.79	12,005.97	11,879.79	19.98	22.10	106.99	478.28	-1,104.42	293.36	256.05	37.31	7.863		
12,050.00	11,919.63	12,045.81	11,919.63	19.95	22.12	110.33	478.28	-1,104.42	305.19	267.75	37.43	8.153		
12,100.00	11,956.69	12,090.46	11,964.27	19.93	22.13	114.08	477.68	-1,104.41	320.93	283.27	37.67	8.520		
12,150.00	11,990.68	12,145.11	12,018.66	19.91	22.15	118.41	472.57	-1,104.37	339.33	301.32	38.02	8.926		
12,200.00	12,021.34	12,205.52	12,077.91	19.91	22.16	122.63	460.94	-1,104.27	359.57	321.03	38.54	9.330		
12,250.00	12,048.45	12,273.36	12,142.57	19.91	22.15	126.78	440.52	-1,104.10	380.93	341.62	39.31	9.691		
12,300.00	12,071.80	12,350.80	12,212.81	19.92	22.13	130.86	408.08	-1,103.82	402.57	362.17	40.40	9.965		
12,350.00	12,091.21	12,440.50	12,287.84	19.96	22.10	134.79	359.08	-1,103.39	423.48	381.59	41.89	10.109		
12,400.00	12,106.53	12,545.32	12,364.55	20.00	22.06	138.43	287.87	-1,102.78	442.44	398.64	43.80	10.102		
12,450.00	12,117.64	12,667.32	12,435.76	20.07	22.07	141.48	189.09	-1,101.93	457.95	412.01	45.94	9.969		
12,500.00	12,124.47	12,805.82	12,489.21	20.15	22.19	143.58	61.69	-1,100.83	468.37	420.51	47.87	9.785		
12,548.47	12,126.94	12,950.56	12,510.80	20.25	22.47	144.39	-81.03	-1,099.61	472.29	423.43	48.87	9.665		
12,600.00	12,127.39	13,007.86	12,511.36	20.37	22.62	144.39	-138.33	-1,099.11	472.31	423.41	48.90	9.659		
12,700.00	12,128.26	13,107.86	12,512.23	20.66	22.94	144.39	-238.33	-1,098.25	472.31	423.31	49.00	9.638		
12,800.00	12,129.13	13,207.86	12,513.11	21.01	23.33	144.39	-338.32	-1,097.39	472.31	423.15	49.17	9.606		
12,900.00	12,130.00	13,307.86	12,513.98	21.42	23.77	144.39	-438.31	-1,096.53	472.32	422.92	49.40	9.562		
13,000.00	12,130.87	13,407.86	12,514.85	21.89	24.26	144.39	-538.30	-1,095.67	472.32	422.63	49.69	9.506		
13,100.00	12,131.74	13,507.86	12,515.73	22.42	24.81	144.39	-638.30	-1,094.81	472.32	422.28	50.04	9.440		
13,200.00	12,132.61	13,607.86	12,516.60	23.02	25.41	144.39	-738.29	-1,093.95	472.32	421.88	50.44	9.363		
13,300.00	12,133.48	13,707.86	12,517.47	23.67	26.06	144.39	-838.28	-1,093.09	472.32	421.41	50.91	9.278		
13,400.00	12,134.35	13,807.86	12,518.35	24.38	26.75	144.39	-938.27	-1,092.23	472.32	420.89	51.43	9.183		
13,500.00	12,135.23	13,907.86	12,519.22	25.14	27.49	144.39	-1,038.27	-1,091.37	472.33	420.32	52.01	9.082		
13,600.00	12,136.10	14,007.86	12,520.09	25.95	28.27	144.39	-1,138.26	-1,090.51	472.33	419.69	52.64	8.973		
13,700.00	12,136.97	14,107.86	12,520.96	26.81	29.09	144.39	-1,238.25	-1,089.65	472.33	419.01	53.32	8.859		
13,800.00	12,137.84	14,207.86	12,521.84	27.70	29.95	144.39	-1,338.24	-1,088.79	472.33	418.28	54.05	8.740		
13,900.00	12,138.71	14,307.86	12,522.71	28.64	30.85	144.39	-1,438.24	-1,087.92	472.33	417.51	54.82	8.616		
14,000.00	12,139.58	14,407.86	12,523.58	29.60	31.77	144.39	-1,538.23	-1,087.06	472.33	416.69	55.64	8.489		
14,100.00	12,140.45	14,507.86	12,524.46	30.60	32.73	144.39	-1,638.22	-1,086.20	472.33	415.83	56.50	8.359		

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 211H - OH - Plan 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)												Offset Well Error:	0.50 usft
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)	Warning	
							+N/-S (usft)	+E/-W (usft)					
14,200.00	12,141.32	14,607.86	12,525.33	31.63	33.71	144.39	-1,738.21	-1,085.34	472.34	414.93	57.41	8.228	
14,300.00	12,142.19	14,707.86	12,526.20	32.69	34.72	144.39	-1,838.21	-1,084.48	472.34	413.99	58.35	8.095	
14,400.00	12,143.07	14,807.86	12,527.08	33.76	35.75	144.39	-1,938.20	-1,083.62	472.34	413.01	59.33	7.961	
14,500.00	12,143.94	14,907.86	12,527.95	34.86	36.80	144.39	-2,038.19	-1,082.76	472.34	412.00	60.35	7.827	
14,600.00	12,144.81	15,007.86	12,528.82	35.98	37.87	144.39	-2,138.18	-1,081.90	472.34	410.95	61.39	7.694	
14,700.00	12,145.68	15,107.86	12,529.70	37.11	38.97	144.39	-2,238.17	-1,081.04	472.34	409.87	62.47	7.561	
14,800.00	12,146.55	15,207.86	12,530.57	38.26	40.07	144.39	-2,338.17	-1,080.18	472.35	408.76	63.59	7.428	
14,900.00	12,147.42	15,307.86	12,531.44	39.43	41.20	144.39	-2,438.16	-1,079.32	472.35	407.62	64.73	7.298	
15,000.00	12,148.29	15,407.86	12,532.31	40.61	42.34	144.39	-2,538.15	-1,078.46	472.35	406.46	65.89	7.168	
15,100.00	12,149.16	15,507.86	12,533.19	41.80	43.49	144.39	-2,638.14	-1,077.60	472.35	405.26	67.09	7.041	
15,200.00	12,150.03	15,607.86	12,534.06	43.00	44.65	144.39	-2,738.14	-1,076.74	472.35	404.05	68.30	6.916	
15,300.00	12,150.91	15,707.86	12,534.93	44.21	45.83	144.39	-2,838.13	-1,075.88	472.35	402.81	69.54	6.792	
15,400.00	12,151.78	15,807.86	12,535.81	45.43	47.02	144.39	-2,938.12	-1,075.01	472.36	401.55	70.81	6.671	
15,500.00	12,152.65	15,907.86	12,536.68	46.66	48.21	144.39	-3,038.11	-1,074.15	472.36	400.27	72.09	6.552	
15,600.00	12,153.52	16,007.86	12,537.55	47.89	49.42	144.39	-3,138.11	-1,073.29	472.36	398.97	73.39	6.436	
15,700.00	12,154.39	16,107.86	12,538.43	49.14	50.63	144.39	-3,238.10	-1,072.43	472.36	397.65	74.71	6.322	
15,800.00	12,155.26	16,207.86	12,539.30	50.39	51.85	144.39	-3,338.09	-1,071.57	472.36	396.31	76.05	6.211	
15,900.00	12,156.13	16,307.86	12,540.17	51.65	53.08	144.39	-3,438.08	-1,070.71	472.36	394.95	77.41	6.102	
16,000.00	12,157.00	16,407.86	12,541.04	52.91	54.32	144.39	-3,538.08	-1,069.85	472.37	393.58	78.78	5.996	
16,100.00	12,157.87	16,507.86	12,541.92	54.18	55.56	144.39	-3,638.07	-1,068.99	472.37	392.20	80.17	5.892	
16,200.00	12,158.75	16,607.86	12,542.79	55.45	56.81	144.40	-3,738.06	-1,068.13	472.37	390.80	81.57	5.791	
16,300.00	12,159.62	16,707.86	12,543.66	56.73	58.06	144.40	-3,838.05	-1,067.27	472.37	389.38	82.99	5.692	
16,400.00	12,160.49	16,807.86	12,544.54	58.01	59.32	144.40	-3,938.05	-1,066.41	472.37	387.96	84.41	5.596	
16,500.00	12,161.36	16,907.86	12,545.41	59.29	60.58	144.40	-4,038.04	-1,065.55	472.37	386.52	85.85	5.502	
16,600.00	12,162.23	17,007.86	12,546.28	60.58	61.85	144.40	-4,138.03	-1,064.69	472.38	385.07	87.31	5.411	
16,700.00	12,163.10	17,107.86	12,547.16	61.88	63.12	144.40	-4,238.02	-1,063.83	472.38	383.61	88.77	5.321	
16,800.00	12,163.97	17,207.86	12,548.03	63.17	64.40	144.40	-4,338.02	-1,062.97	472.38	382.14	90.24	5.235	
16,900.00	12,164.84	17,307.86	12,548.90	64.47	65.68	144.40	-4,438.01	-1,062.11	472.38	380.65	91.73	5.150	
17,000.00	12,165.71	17,407.86	12,549.78	65.77	66.97	144.40	-4,538.00	-1,061.24	472.38	379.16	93.22	5.067	
17,100.00	12,166.59	17,507.86	12,550.65	67.08	68.25	144.40	-4,637.99	-1,060.38	472.38	377.66	94.72	4.987	
17,200.00	12,167.46	17,607.86	12,551.52	68.39	69.54	144.40	-4,737.98	-1,059.52	472.38	376.15	96.23	4.909	
17,300.00	12,168.33	17,707.86	12,552.39	69.70	70.84	144.40	-4,837.98	-1,058.66	472.39	374.63	97.75	4.832	
17,400.00	12,169.20	17,807.86	12,553.27	71.01	72.13	144.40	-4,937.97	-1,057.80	472.39	373.11	99.28	4.758	
17,500.00	12,170.07	17,907.86	12,554.14	72.32	73.43	144.40	-5,037.96	-1,056.94	472.39	371.57	100.81	4.686	
17,600.00	12,170.94	18,007.86	12,555.01	73.64	74.73	144.40	-5,137.96	-1,056.08	472.39	370.03	102.36	4.615	
17,700.00	12,171.81	18,107.86	12,555.89	74.96	76.04	144.40	-5,237.95	-1,055.22	472.39	368.49	103.91	4.546	
17,800.00	12,172.68	18,207.86	12,556.76	76.28	77.34	144.40	-5,337.94	-1,054.36	472.39	366.93	105.46	4.479	
17,900.00	12,173.56	18,307.86	12,557.63	77.60	78.65	144.40	-5,437.93	-1,053.50	472.40	365.37	107.02	4.414	
18,000.00	12,174.43	18,407.86	12,558.51	78.92	79.96	144.40	-5,537.93	-1,052.64	472.40	363.81	108.59	4.350	
18,100.00	12,175.30	18,507.86	12,559.38	80.25	81.28	144.40	-5,637.92	-1,051.78	472.40	362.24	110.16	4.288	
18,200.00	12,176.17	18,607.86	12,560.25	81.58	82.59	144.40	-5,737.91	-1,050.92	472.40	360.66	111.74	4.228	
18,300.00	12,177.04	18,707.86	12,561.12	82.91	83.91	144.40	-5,837.90	-1,050.06	472.40	359.08	113.33	4.168	
18,400.00	12,177.91	18,807.86	12,562.00	84.23	85.22	144.40	-5,937.90	-1,049.20	472.40	357.49	114.92	4.111	
18,500.00	12,178.78	18,907.86	12,562.87	85.57	86.54	144.40	-6,037.89	-1,048.33	472.41	355.89	116.51	4.055	
18,600.00	12,179.65	19,007.86	12,563.74	86.90	87.87	144.40	-6,137.88	-1,047.47	472.41	354.30	118.11	4.000	
18,700.00	12,180.52	19,107.86	12,564.62	88.23	89.19	144.40	-6,237.87	-1,046.61	472.41	352.70	119.71	3.946	
18,800.00	12,181.40	19,207.86	12,565.49	89.57	90.51	144.40	-6,337.87	-1,045.75	472.41	351.09	121.32	3.894	
18,900.00	12,182.27	19,307.86	12,566.36	90.90	91.84	144.40	-6,437.86	-1,044.89	472.41	349.48	122.93	3.843	
19,000.00	12,183.14	19,407.86	12,567.24	92.24	93.16	144.40	-6,537.85	-1,044.03	472.41	347.87	124.55	3.793	
19,100.00	12,184.01	19,507.86	12,568.11	93.57	94.49	144.40	-6,637.84	-1,043.17	472.42	346.25	126.17	3.744	
19,200.00	12,184.88	19,607.86	12,568.98	94.91	95.82	144.40	-6,737.84	-1,042.31	472.42	344.63	127.79	3.697	
19,300.00	12,185.75	19,707.86	12,569.86	96.25	97.15	144.40	-6,837.83	-1,041.45	472.42	343.00	129.42	3.650	

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 211H - OH - Plan 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)													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)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)		Ellipses (usft)				
19,400.00	12,186.62	19,807.86	12,570.73	97.59	98.48	144.40	-6,937.82	-1,040.59	472.42	341.37	131.05	3.605		
19,500.00	12,187.49	19,907.86	12,571.60	98.93	99.82	144.40	-7,037.81	-1,039.73	472.42	339.74	132.68	3.561		
19,600.00	12,188.36	20,007.86	12,572.47	100.28	101.15	144.40	-7,137.81	-1,038.87	472.42	338.11	134.32	3.517		
19,700.00	12,189.24	20,107.86	12,573.35	101.62	102.48	144.40	-7,237.80	-1,038.01	472.43	336.47	135.96	3.475		
19,800.00	12,190.11	20,207.86	12,574.22	102.96	103.82	144.40	-7,337.79	-1,037.15	472.43	334.83	137.60	3.433		
19,900.00	12,190.98	20,307.86	12,575.09	104.30	105.16	144.40	-7,437.78	-1,036.29	472.43	333.18	139.25	3.393		
20,000.00	12,191.85	20,407.86	12,575.97	105.65	106.49	144.40	-7,537.78	-1,035.43	472.43	331.54	140.89	3.353		
20,100.00	12,192.72	20,507.86	12,576.84	106.99	107.83	144.40	-7,637.77	-1,034.56	472.43	329.89	142.54	3.314		
20,200.00	12,193.59	20,607.86	12,577.71	108.34	109.17	144.40	-7,737.76	-1,033.70	472.43	328.23	144.20	3.276		
20,300.00	12,194.46	20,707.86	12,578.59	109.69	110.51	144.40	-7,837.75	-1,032.84	472.43	326.58	145.85	3.239		
20,400.00	12,195.33	20,807.86	12,579.46	111.03	111.85	144.40	-7,937.75	-1,031.98	472.44	324.92	147.51	3.203		
20,500.00	12,196.20	20,907.86	12,580.33	112.38	113.19	144.40	-8,037.74	-1,031.12	472.44	323.27	149.17	3.167		
20,600.00	12,197.08	21,007.86	12,581.20	113.73	114.53	144.40	-8,137.73	-1,030.26	472.44	321.60	150.84	3.132		
20,700.00	12,197.95	21,107.86	12,582.08	115.08	115.87	144.40	-8,237.72	-1,029.40	472.44	319.94	152.50	3.098		
20,800.00	12,198.82	21,207.86	12,582.95	116.43	117.22	144.40	-8,337.72	-1,028.54	472.44	318.28	154.17	3.064		
20,900.00	12,199.69	21,307.86	12,583.82	117.78	118.56	144.40	-8,437.71	-1,027.68	472.44	316.61	155.84	3.032		
21,000.00	12,200.56	21,407.86	12,584.70	119.13	119.90	144.40	-8,537.70	-1,026.82	472.45	314.94	157.51	3.000		
21,100.00	12,201.43	21,507.86	12,585.57	120.48	121.25	144.40	-8,637.69	-1,025.96	472.45	313.27	159.18	2.968		
21,200.00	12,202.30	21,607.86	12,586.44	121.83	122.59	144.40	-8,737.69	-1,025.10	472.45	311.60	160.85	2.937		
21,300.00	12,203.17	21,707.86	12,587.32	123.18	123.94	144.40	-8,837.68	-1,024.24	472.45	309.92	162.53	2.907		
21,400.00	12,204.04	21,807.86	12,588.19	124.53	125.29	144.40	-8,937.67	-1,023.38	472.45	308.24	164.21	2.877		
21,500.00	12,204.92	21,907.86	12,589.06	125.88	126.63	144.40	-9,037.66	-1,022.52	472.45	306.57	165.89	2.848		
21,600.00	12,205.79	22,007.86	12,589.94	127.24	127.98	144.40	-9,137.66	-1,021.65	472.46	304.89	167.57	2.819		
21,700.00	12,206.66	22,107.86	12,590.81	128.59	129.33	144.40	-9,237.65	-1,020.79	472.46	303.20	169.25	2.791		
21,800.00	12,207.53	22,207.86	12,591.68	129.94	130.68	144.40	-9,337.64	-1,019.93	472.46	301.52	170.94	2.764		
21,900.00	12,208.40	22,307.86	12,592.55	131.30	132.03	144.40	-9,437.63	-1,019.07	472.46	299.84	172.62	2.737		
22,000.00	12,209.27	22,407.86	12,593.43	132.65	133.38	144.40	-9,537.63	-1,018.21	472.46	298.15	174.31	2.710		
22,100.00	12,210.14	22,507.86	12,594.30	134.01	134.72	144.40	-9,637.62	-1,017.35	472.46	296.47	176.00	2.684		
22,200.00	12,211.01	22,607.86	12,595.17	135.36	136.07	144.40	-9,737.61	-1,016.49	472.47	294.78	177.69	2.659		
22,300.00	12,211.88	22,707.86	12,596.05	136.71	137.43	144.40	-9,837.60	-1,015.63	472.47	293.09	179.38	2.634		
22,400.00	12,212.76	22,807.86	12,596.92	138.07	138.78	144.40	-9,937.60	-1,014.77	472.47	291.40	181.07	2.609		
22,485.42	12,213.50	22,893.28	12,597.67	139.23	139.93	144.40	-10,023.01	-1,014.03	472.47	289.95	182.52	2.589		
22,485.80	12,213.50	22,893.66	12,597.67	139.26	139.94	144.40	-10,023.39	-1,014.03	472.47	289.95	182.52	2.589	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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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		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	-6.79	210.00	-25.00	211.49				
100.00	100.00	99.00	99.00	0.98	0.97	-6.79	210.00	-25.00	211.48	209.53	1.95	108.179	
200.00	200.00	199.00	199.00	1.56	1.56	-6.79	210.00	-25.00	211.48	208.37	3.12	67.865	
300.00	300.00	299.00	299.00	1.98	1.98	-6.79	210.00	-25.00	211.48	207.52	3.96	53.431	
400.00	400.00	399.00	399.00	2.33	2.33	-6.79	210.00	-25.00	211.48	206.83	4.66	45.428	
500.00	500.00	499.00	499.00	2.63	2.63	-6.79	210.00	-25.00	211.48	206.22	5.27	40.160	
600.00	600.00	599.00	599.00	2.91	2.91	-6.79	210.00	-25.00	211.48	205.67	5.82	36.354	
700.00	700.00	699.00	699.00	3.16	3.16	-6.79	210.00	-25.00	211.48	205.16	6.33	33.436	
800.00	800.00	799.00	799.00	3.40	3.40	-6.79	210.00	-25.00	211.48	204.68	6.80	31.106	
900.00	900.00	899.00	899.00	3.62	3.62	-6.79	210.00	-25.00	211.48	204.24	7.25	29.189	
1,000.00	1,000.00	999.00	999.00	3.84	3.83	-6.79	210.00	-25.00	211.48	203.81	7.67	27.575	
1,100.00	1,100.00	1,099.00	1,099.00	4.04	4.04	-6.79	210.00	-25.00	211.48	203.41	8.07	26.192	
1,200.00	1,200.00	1,199.00	1,199.00	4.23	4.23	-6.79	210.00	-25.00	211.48	203.02	8.46	24.988	
1,300.00	1,300.00	1,299.00	1,299.00	4.42	4.42	-6.79	210.00	-25.00	211.48	202.64	8.84	23.929	
1,400.00	1,400.00	1,399.00	1,399.00	4.60	4.60	-6.79	210.00	-25.00	211.48	202.28	9.20	22.986	
1,500.00	1,499.99	1,498.99	1,498.99	4.77	4.78	53.34	210.00	-25.00	210.96	201.41	9.55	22.097	
1,600.00	1,599.96	1,598.96	1,598.96	4.94	4.95	53.93	210.00	-25.00	209.41	199.53	9.88	21.193	
1,700.00	1,699.86	1,698.86	1,698.86	5.10	5.11	54.92	210.00	-25.00	206.87	196.66	10.21	20.265	
1,800.00	1,799.68	1,798.68	1,798.68	5.26	5.27	56.36	210.00	-25.00	203.42	192.89	10.53	19.318	
1,900.00	1,899.37	1,898.37	1,898.37	5.43	5.43	58.27	210.00	-25.00	199.17	188.32	10.85	18.361	
2,000.00	1,998.90	1,997.90	1,997.90	5.59	5.59	60.71	210.00	-25.00	194.29	183.13	11.16	17.408	
2,100.00	2,098.26	2,097.26	2,097.26	5.76	5.74	63.73	210.00	-25.00	188.98	177.51	11.47	16.474	
2,200.00	2,197.40	2,196.40	2,196.40	5.93	5.89	67.41	210.00	-25.00	183.54	171.76	11.78	15.579	
2,300.00	2,296.30	2,291.54	2,291.53	6.10	6.05	71.79	210.83	-24.29	179.34	167.24	12.11	14.815	
2,383.73	2,378.90	2,370.69	2,370.63	6.25	6.19	76.18	212.90	-22.52	178.12	165.75	12.38	14.391	CC
2,400.00	2,394.93	2,386.02	2,385.95	6.27	6.22	77.10	213.44	-22.06	178.17	165.74	12.43	14.334	ES
2,500.00	2,493.26	2,479.83	2,479.57	6.45	6.38	83.07	217.79	-18.35	180.82	168.06	12.76	14.173	
2,600.00	2,591.25	2,572.79	2,572.20	6.63	6.54	89.34	223.83	-13.20	187.97	174.88	13.09	14.361	
2,700.00	2,688.87	2,664.77	2,663.63	6.82	6.70	95.51	231.48	-6.67	200.06	186.64	13.42	14.907	
2,725.46	2,713.67	2,688.02	2,686.70	6.85	6.74	97.02	233.68	-4.79	203.95	190.47	13.48	15.126	
2,800.00	2,786.22	2,757.03	2,755.06	6.98	6.81	101.34	240.78	1.27	217.07	203.41	13.66	15.889	
2,900.00	2,883.56	2,852.84	2,849.95	7.20	6.93	106.56	250.92	9.92	236.88	222.89	13.98	16.939	
3,000.00	2,980.90	2,948.65	2,944.83	7.43	7.07	110.96	261.07	18.58	258.35	244.02	14.33	18.030	
3,100.00	3,078.23	3,044.47	3,039.71	7.66	7.22	114.70	271.21	27.23	281.10	266.42	14.68	19.154	
3,200.00	3,175.57	3,140.28	3,134.59	7.90	7.36	117.88	281.35	35.88	304.84	289.81	15.02	20.289	
3,300.00	3,272.90	3,236.09	3,229.47	8.15	7.51	120.61	291.49	44.54	329.36	313.98	15.38	21.419	
3,400.00	3,370.24	3,331.90	3,324.35	8.40	7.66	122.96	301.63	53.19	354.50	338.77	15.73	22.535	
3,500.00	3,467.58	3,427.72	3,419.23	8.65	7.81	125.00	311.77	61.85	380.13	364.04	16.09	23.628	
3,600.00	3,564.91	3,523.53	3,514.11	8.91	7.97	126.79	321.91	70.50	406.17	389.72	16.45	24.694	
3,700.00	3,662.25	3,619.34	3,608.99	9.17	8.12	128.36	332.05	79.15	432.53	415.72	16.81	25.731	
3,800.00	3,759.58	3,715.16	3,703.87	9.43	8.28	129.75	342.19	87.81	459.16	441.99	17.17	26.735	
3,900.00	3,856.92	3,810.97	3,798.76	9.70	8.43	131.00	352.33	96.46	486.03	468.48	17.54	27.707	
4,000.00	3,954.26	3,906.78	3,893.64	9.97	8.59	132.11	362.47	105.11	513.08	495.17	17.91	28.647	
4,100.00	4,051.59	4,002.59	3,988.52	10.24	8.75	133.11	372.61	113.77	540.30	522.01	18.28	29.553	
4,200.00	4,148.93	4,098.41	4,083.40	10.52	8.91	134.02	382.75	122.42	567.65	549.00	18.66	30.428	
4,300.00	4,246.26	4,194.22	4,178.28	10.80	9.08	134.84	392.89	131.07	595.13	576.10	19.03	31.271	
4,400.00	4,343.60	4,290.03	4,273.16	11.08	9.24	135.59	403.03	139.73	622.71	603.30	19.41	32.083	
4,500.00	4,440.94	4,385.85	4,368.04	11.36	9.40	136.28	413.17	148.38	650.38	630.59	19.79	32.866	
4,600.00	4,538.27	4,481.66	4,462.92	11.64	9.57	136.91	423.31	157.03	678.13	657.96	20.17	33.621	
4,700.00	4,635.61	4,577.47	4,557.80	11.92	9.74	137.49	433.45	165.69	705.96	685.40	20.55	34.349	
4,800.00	4,732.95	4,673.28	4,652.68	12.21	9.90	138.03	443.59	174.34	733.84	712.90	20.94	35.050	
4,900.00	4,830.28	4,769.10	4,747.57	12.49	10.07	138.53	453.73	183.00	761.78	740.46	21.32	35.726	

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)													Offset Site Error: 0.00 usft	
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	
5,000.00	4,927.62	4,873.63	4,851.13	12.78	10.24	139.05	464.50	192.18	789.51	767.79	21.73	36.340		
5,100.00	5,024.95	4,988.30	4,965.10	13.07	10.45	139.72	474.09	200.36	815.40	793.22	22.18	36.766		
5,200.00	5,122.29	5,103.93	5,080.36	13.36	10.66	140.51	481.12	206.36	839.17	816.55	22.62	37.106		
5,300.00	5,219.63	5,220.31	5,196.60	13.65	10.86	141.40	485.51	210.11	860.84	837.81	23.03	37.384		
5,400.00	5,316.96	5,337.25	5,313.51	13.95	11.01	142.41	487.21	211.56	880.47	857.08	23.39	37.647		
5,500.00	5,414.30	5,437.04	5,413.30	14.24	11.09	143.32	487.23	211.58	898.95	875.28	23.66	37.988		
5,574.00	5,486.33	5,509.07	5,485.33	14.44	11.15	143.95	487.23	211.58	912.74	888.87	23.87	38.238		
5,600.00	5,511.65	5,534.39	5,510.65	14.51	11.18	144.19	487.23	211.58	917.56	893.63	23.94	38.334		
5,700.00	5,609.28	5,632.02	5,608.28	14.79	11.27	145.07	487.23	211.58	935.34	911.11	24.23	38.606		
5,800.00	5,707.27	5,730.01	5,706.27	15.06	11.36	145.84	487.23	211.58	951.86	927.35	24.52	38.827		
5,900.00	5,805.60	5,828.34	5,804.60	15.31	11.45	146.53	487.23	211.58	967.07	942.28	24.80	38.998		
6,000.00	5,904.23	5,926.97	5,903.23	15.54	11.55	147.14	487.23	211.58	980.94	955.86	25.08	39.119		
6,100.00	6,003.13	6,025.87	6,002.13	15.75	11.64	147.66	487.23	211.58	993.42	968.07	25.35	39.191		
6,200.00	6,102.27	6,125.01	6,101.27	15.95	11.73	148.12	487.23	211.58	1,004.50	978.88	25.62	39.214		
6,300.00	6,201.63	6,224.37	6,200.63	16.13	11.82	148.51	487.23	211.58	1,014.14	988.26	25.88	39.191		
6,400.00	6,301.17	6,323.91	6,300.17	16.29	11.92	148.83	487.23	211.58	1,022.33	996.20	26.13	39.122		
6,500.00	6,400.86	6,423.60	6,399.86	16.43	12.01	149.09	487.23	211.58	1,029.05	1,002.67	26.38	39.009		
6,600.00	6,500.67	6,523.41	6,499.67	16.56	12.10	149.29	487.23	211.58	1,034.29	1,007.67	26.62	38.854		
6,700.00	6,600.58	6,623.32	6,599.58	16.67	12.19	149.43	487.23	211.58	1,038.03	1,011.18	26.85	38.659		
6,800.00	6,700.54	6,723.28	6,699.54	16.76	12.28	149.52	487.23	211.58	1,040.28	1,013.21	27.07	38.428		
6,899.47	6,800.00	6,822.74	6,799.00	16.83	12.38	89.61	487.23	211.58	1,041.02	1,013.77	27.25	38.197		
6,900.00	6,800.54	6,823.28	6,799.54	16.83	12.38	89.61	487.23	211.58	1,041.02	1,013.77	27.25	38.196		
7,000.00	6,900.54	6,923.28	6,899.54	16.90	12.47	89.61	487.23	211.58	1,041.02	1,013.61	27.41	37.978		
7,100.00	7,000.54	7,023.28	6,999.54	16.96	12.56	89.61	487.23	211.58	1,041.02	1,013.46	27.57	37.762		
7,200.00	7,100.54	7,123.28	7,099.54	17.02	12.65	89.61	487.23	211.58	1,041.02	1,013.30	27.72	37.550		
7,300.00	7,200.54	7,223.28	7,199.54	17.09	12.74	89.61	487.23	211.58	1,041.02	1,013.14	27.88	37.339		
7,400.00	7,300.54	7,323.28	7,299.54	17.15	12.83	89.61	487.23	211.58	1,041.02	1,012.99	28.04	37.131		
7,500.00	7,400.54	7,423.28	7,399.54	17.22	12.93	89.61	487.23	211.58	1,041.02	1,012.83	28.19	36.925		
7,600.00	7,500.54	7,523.28	7,499.54	17.28	13.02	89.61	487.23	211.58	1,041.02	1,012.67	28.35	36.721		
7,700.00	7,600.54	7,623.28	7,599.54	17.35	13.11	89.61	487.23	211.58	1,041.02	1,012.52	28.51	36.520		
7,800.00	7,700.54	7,723.28	7,699.54	17.41	13.20	89.61	487.23	211.58	1,041.02	1,012.36	28.66	36.320		
7,900.00	7,800.54	7,823.28	7,799.54	17.48	13.29	89.61	487.23	211.58	1,041.02	1,012.21	28.82	36.123		
8,000.00	7,900.54	7,923.28	7,899.54	17.54	13.38	89.61	487.23	211.58	1,041.02	1,012.05	28.98	35.928		
8,100.00	8,000.54	8,023.28	7,999.54	17.61	13.47	89.61	487.23	211.58	1,041.02	1,011.89	29.13	35.735		
8,200.00	8,100.54	8,123.28	8,099.54	17.67	13.56	89.61	487.23	211.58	1,041.02	1,011.74	29.29	35.544		
8,300.00	8,200.54	8,223.28	8,199.54	17.74	13.65	89.61	487.23	211.58	1,041.02	1,011.58	29.45	35.355		
8,400.00	8,300.54	8,323.28	8,299.54	17.80	13.74	89.61	487.23	211.58	1,041.02	1,011.42	29.60	35.168		
8,500.00	8,400.54	8,423.28	8,399.54	17.87	13.83	89.61	487.23	211.58	1,041.02	1,011.27	29.76	34.983		
8,600.00	8,500.54	8,523.28	8,499.54	17.94	13.92	89.61	487.23	211.58	1,041.02	1,011.11	29.92	34.799		
8,700.00	8,600.54	8,623.28	8,599.54	18.00	14.01	89.61	487.23	211.58	1,041.02	1,010.95	30.07	34.618		
8,800.00	8,700.54	8,723.28	8,699.54	18.07	14.10	89.61	487.23	211.58	1,041.02	1,010.80	30.23	34.438		
8,900.00	8,800.54	8,823.28	8,799.54	18.14	14.19	89.61	487.23	211.58	1,041.02	1,010.64	30.39	34.261		
9,000.00	8,900.54	8,923.28	8,899.54	18.20	14.28	89.61	487.23	211.58	1,041.02	1,010.48	30.54	34.085		
9,100.00	9,000.54	9,023.28	8,999.54	18.27	14.37	89.61	487.23	211.58	1,041.02	1,010.33	30.70	33.911		
9,200.00	9,100.54	9,123.28	9,099.54	18.34	14.46	89.61	487.23	211.58	1,041.02	1,010.17	30.86	33.738		
9,300.00	9,200.54	9,223.28	9,199.54	18.40	14.55	89.61	487.23	211.58	1,041.02	1,010.01	31.01	33.568		
9,400.00	9,300.54	9,323.28	9,299.54	18.47	14.64	89.61	487.23	211.58	1,041.02	1,009.85	31.17	33.399		
9,500.00	9,400.54	9,423.28	9,399.54	18.54	14.73	89.61	487.23	211.58	1,041.02	1,009.70	31.33	33.231		
9,600.00	9,500.54	9,523.28	9,499.54	18.60	14.82	89.61	487.23	211.58	1,041.02	1,009.54	31.48	33.065		
9,700.00	9,600.54	9,623.28	9,599.54	18.67	14.91	89.61	487.23	211.58	1,041.02	1,009.38	31.64	32.901		
9,800.00	9,700.54	9,723.28	9,699.54	18.74	14.99	89.61	487.23	211.58	1,041.02	1,009.23	31.80	32.739		
9,900.00	9,800.54	9,823.28	9,799.54	18.81	15.08	89.61	487.23	211.58	1,041.02	1,009.07	31.95	32.578		

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)							
1,600.00	1,599.96	2,239.38	2,217.69	4.94	6.47	127.75	900.81	2,158.18	2,420.63	2,409.49		11.14	217.260		
1,700.00	1,699.86	2,336.39	2,311.39	5.10	6.74	128.13	887.10	2,137.14	2,397.75	2,386.24		11.51	208.405		
1,800.00	1,799.68	2,433.52	2,405.21	5.26	7.02	128.54	873.38	2,116.08	2,375.95	2,364.07		11.88	200.063		
1,900.00	1,899.37	2,530.73	2,499.10	5.43	7.32	128.97	859.64	2,095.00	2,355.26	2,343.01		12.25	192.279		
2,000.00	1,998.90	2,627.99	2,593.05	5.59	7.62	129.44	845.90	2,073.91	2,335.70	2,323.08		12.63	185.000		
2,100.00	2,098.26	2,725.29	2,687.03	5.76	7.92	129.93	832.15	2,052.81	2,317.31	2,304.31		13.01	178.178		
2,200.00	2,197.40	2,822.58	2,781.01	5.93	8.23	130.45	818.40	2,031.71	2,300.11	2,286.72		13.39	171.770		
2,300.00	2,296.30	2,919.83	2,874.95	6.10	8.55	130.99	804.65	2,010.62	2,284.15	2,270.37		13.78	165.738		
2,400.00	2,394.93	3,017.03	2,968.83	6.27	8.86	131.56	790.92	1,989.54	2,269.45	2,255.27		14.18	160.050		
2,500.00	2,493.26	3,114.13	3,062.63	6.45	9.18	132.16	777.20	1,968.49	2,256.06	2,241.47		14.59	154.679		
2,600.00	2,591.25	3,211.12	3,156.30	6.63	9.50	132.78	763.49	1,947.46	2,244.01	2,229.01		15.00	149.600		
2,700.00	2,688.87	3,307.95	3,249.84	6.82	9.82	133.42	749.81	1,926.46	2,233.36	2,217.94		15.42	144.793		
2,725.46	2,713.67	3,332.58	3,273.63	6.85	9.91	133.59	746.33	1,921.12	2,230.88	2,215.37		15.51	143.811		
2,800.00	2,786.22	3,404.65	3,343.24	6.98	10.15	134.03	736.14	1,905.49	2,223.81	2,208.00		15.81	140.644		
2,900.00	2,883.56	3,501.35	3,436.65	7.20	10.47	134.63	722.48	1,884.52	2,214.55	2,198.30		16.25	136.243		
3,000.00	2,980.90	3,598.05	3,530.05	7.43	10.80	135.23	708.81	1,863.55	2,205.55	2,188.84		16.70	132.043		
3,100.00	3,078.23	3,694.75	3,623.45	7.66	11.13	135.84	695.15	1,842.58	2,196.80	2,179.64		17.16	128.037		
3,200.00	3,175.57	3,791.45	3,716.86	7.90	11.46	136.45	681.48	1,821.61	2,188.32	2,170.70		17.62	124.215		
3,300.00	3,272.90	3,888.14	3,810.26	8.15	11.79	137.07	667.82	1,800.64	2,180.10	2,162.01		18.08	120.569		
3,400.00	3,370.24	3,984.84	3,903.67	8.40	12.13	137.69	654.15	1,779.67	2,172.14	2,153.59		18.55	117.092		
3,500.00	3,467.58	4,081.54	3,997.07	8.65	12.46	138.31	640.49	1,758.70	2,164.46	2,145.44		19.02	113.774		
3,600.00	3,564.91	4,178.24	4,090.47	8.91	12.79	138.94	626.82	1,737.73	2,157.06	2,137.55		19.50	110.608		
3,700.00	3,662.25	4,274.94	4,183.88	9.17	13.13	139.57	613.16	1,716.76	2,149.93	2,129.94		19.98	107.586		
3,800.00	3,759.58	4,371.64	4,277.28	9.43	13.47	140.21	599.49	1,695.79	2,143.07	2,122.61		20.47	104.701		
3,900.00	3,856.92	4,468.34	4,370.68	9.70	13.80	140.85	585.83	1,674.82	2,136.50	2,115.55		20.96	101.945		
4,000.00	3,954.26	4,565.04	4,464.09	9.97	14.14	141.49	572.16	1,653.85	2,130.22	2,108.77		21.45	99.316		
4,100.00	4,051.59	4,640.33	4,536.87	10.24	14.40	142.00	561.65	1,637.71	2,124.54	2,102.64		21.91	96.988		
4,200.00	4,148.93	4,700.00	4,594.79	10.52	14.60	142.38	553.81	1,625.68	2,120.55	2,098.22		22.33	94.954		
4,300.00	4,246.26	4,769.14	4,662.16	10.80	14.81	142.82	545.34	1,612.69	2,118.31	2,095.54		22.77	93.031		
4,377.71	4,321.91	4,819.47	4,711.38	11.01	14.96	143.13	539.60	1,603.88	2,117.79	2,094.69		23.10	91.684	CC	
4,400.00	4,343.60	4,833.92	4,725.55	11.08	15.00	143.22	538.02	1,601.45	2,117.83	2,094.64		23.19	91.319	ES	
4,500.00	4,440.94	4,900.00	4,790.41	11.36	15.19	143.62	531.15	1,590.91	2,119.08	2,095.47		23.61	89.759		
4,600.00	4,538.27	4,964.09	4,853.53	11.64	15.35	143.99	525.08	1,581.59	2,122.05	2,098.04		24.01	88.385		
4,700.00	4,635.61	5,029.39	4,918.02	11.92	15.50	144.35	519.48	1,573.01	2,126.73	2,102.32		24.40	87.146		
4,800.00	4,732.95	5,100.00	4,987.94	12.21	15.66	144.72	514.11	1,564.77	2,133.09	2,108.29		24.80	86.003		
4,900.00	4,830.28	5,160.24	5,047.73	12.49	15.78	145.03	510.09	1,558.60	2,141.10	2,115.94		25.16	85.089		
5,000.00	4,927.62	5,225.72	5,112.84	12.78	15.90	145.35	506.30	1,552.79	2,150.76	2,125.23		25.53	84.256		
5,100.00	5,024.95	5,300.00	5,186.83	13.07	16.02	145.69	502.74	1,547.33	2,162.06	2,136.16		25.90	83.477		
5,200.00	5,122.29	5,356.58	5,243.26	13.36	16.10	145.94	500.56	1,543.98	2,174.91	2,148.69		26.22	82.959		
5,300.00	5,219.63	5,421.88	5,308.47	13.65	16.18	146.21	498.61	1,540.98	2,189.35	2,162.81		26.54	82.481		
5,400.00	5,316.96	5,500.00	5,386.54	13.95	16.27	146.50	497.07	1,538.62	2,205.41	2,178.52		26.89	82.020		
5,500.00	5,414.30	5,552.05	5,438.58	14.24	16.30	146.69	496.53	1,537.80	2,222.87	2,195.74		27.13	81.935		
5,574.00	5,486.33	5,600.80	5,487.33	14.44	16.34	146.85	496.38	1,537.56	2,236.81	2,209.50		27.31	81.911		
5,600.00	5,511.65	5,626.12	5,512.65	14.51	16.35	146.96	496.38	1,537.56	2,241.79	2,214.42		27.37	81.914		
5,700.00	5,609.28	5,723.75	5,610.28	14.79	16.38	147.36	496.38	1,537.56	2,260.10	2,232.46		27.64	81.780		
5,800.00	5,707.27	5,821.74	5,708.27	15.06	16.42	147.72	496.38	1,537.56	2,277.01	2,249.11		27.90	81.621		
5,900.00	5,805.60	5,920.07	5,806.60	15.31	16.45	148.05	496.38	1,537.56	2,292.51	2,264.36		28.15	81.436		
6,000.00	5,904.23	6,018.70	5,905.23	15.54	16.49	148.34	496.38	1,537.56	2,306.58	2,278.18		28.40	81.225		
6,100.00	6,003.13	6,117.60	6,004.13	15.75	16.53	148.59	496.38	1,537.56	2,319.21	2,290.57		28.64	80.989		
6,200.00	6,102.27	6,216.75	6,103.27	15.95	16.57	148.82	496.38	1,537.56	2,330.38	2,301.51		28.87	80.728		
6,300.00	6,201.63	6,316.10	6,202.63	16.13	16.60	149.01	496.38	1,537.56	2,340.08	2,310.99		29.09	80.443		
6,400.00	6,301.17	6,415.64	6,302.17	16.29	16.64	149.18	496.38	1,537.56	2,348.31	2,319.00		29.30	80.136		

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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
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)		Rule Assigned: Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
6,500.00	6,400.86	6,515.33	6,401.86	16.43	16.68	149.31	496.38	1,537.56	2,355.05	2,325.54		29.51	79.808	
6,600.00	6,500.67	6,615.15	6,501.67	16.56	16.72	149.41	496.38	1,537.56	2,360.29	2,330.59		29.70	79.460	
6,700.00	6,600.58	6,715.05	6,601.58	16.67	16.76	149.48	496.38	1,537.56	2,364.04	2,334.16		29.89	79.096	
6,800.00	6,700.54	6,815.01	6,701.54	16.76	16.80	149.53	496.38	1,537.56	2,366.29	2,336.23		30.06	78.721	
6,899.47	6,800.00	6,914.47	6,801.00	16.83	16.84	89.61	496.38	1,537.56	2,367.04	2,336.84		30.19	78.399	
6,900.00	6,800.54	6,915.01	6,801.54	16.83	16.84	89.61	496.38	1,537.56	2,367.04	2,336.84		30.19	78.397	
7,000.00	6,900.54	7,015.01	6,901.54	16.90	16.88	89.61	496.38	1,537.56	2,367.04	2,336.74		30.30	78.124	
7,100.00	7,000.54	7,115.01	7,001.54	16.96	16.92	89.61	496.38	1,537.56	2,367.04	2,336.63		30.40	77.852	
7,200.00	7,100.54	7,215.01	7,101.54	17.02	16.96	89.61	496.38	1,537.56	2,367.04	2,336.52		30.51	77.580	
7,300.00	7,200.54	7,315.01	7,201.54	17.09	17.00	89.61	496.38	1,537.56	2,367.04	2,336.42		30.62	77.309	
7,400.00	7,300.54	7,415.01	7,301.54	17.15	17.04	89.61	496.38	1,537.56	2,367.04	2,336.31		30.72	77.039	
7,500.00	7,400.54	7,515.01	7,401.54	17.22	17.08	89.61	496.38	1,537.56	2,367.04	2,336.20		30.83	76.770	
7,600.00	7,500.54	7,615.01	7,501.54	17.28	17.13	89.61	496.38	1,537.56	2,367.04	2,336.09		30.94	76.501	
7,700.00	7,600.54	7,715.01	7,601.54	17.35	17.17	89.61	496.38	1,537.56	2,367.04	2,335.99		31.05	76.234	
7,800.00	7,700.54	7,815.01	7,701.54	17.41	17.21	89.61	496.38	1,537.56	2,367.04	2,335.88		31.16	75.966	
7,900.00	7,800.54	7,915.01	7,801.54	17.48	17.25	89.61	496.38	1,537.56	2,367.04	2,335.77		31.27	75.700	
8,000.00	7,900.54	8,015.01	7,901.54	17.54	17.30	89.61	496.38	1,537.56	2,367.04	2,335.66		31.38	75.434	
8,100.00	8,000.54	8,115.01	8,001.54	17.61	17.34	89.61	496.38	1,537.56	2,367.04	2,335.55		31.49	75.170	
8,200.00	8,100.54	8,215.01	8,101.54	17.67	17.38	89.61	496.38	1,537.56	2,367.04	2,335.44		31.60	74.906	
8,300.00	8,200.54	8,315.01	8,201.54	17.74	17.43	89.61	496.38	1,537.56	2,367.04	2,335.32		31.71	74.642	
8,400.00	8,300.54	8,415.01	8,301.54	17.80	17.47	89.61	496.38	1,537.56	2,367.04	2,335.21		31.82	74.380	
8,500.00	8,400.54	8,515.01	8,401.54	17.87	17.52	89.61	496.38	1,537.56	2,367.04	2,335.10		31.94	74.119	
8,600.00	8,500.54	8,615.01	8,501.54	17.94	17.56	89.61	496.38	1,537.56	2,367.04	2,334.99		32.05	73.858	
8,700.00	8,600.54	8,715.01	8,601.54	18.00	17.61	89.61	496.38	1,537.56	2,367.04	2,334.87		32.16	73.598	
8,800.00	8,700.54	8,815.01	8,701.54	18.07	17.65	89.61	496.38	1,537.56	2,367.04	2,334.76		32.28	73.339	
8,900.00	8,800.54	8,915.01	8,801.54	18.14	17.70	89.61	496.38	1,537.56	2,367.04	2,334.65		32.39	73.081	
9,000.00	8,900.54	9,015.01	8,901.54	18.20	17.74	89.61	496.38	1,537.56	2,367.04	2,334.53		32.50	72.824	
9,100.00	9,000.54	9,115.01	9,001.54	18.27	17.79	89.61	496.38	1,537.56	2,367.04	2,334.42		32.62	72.568	
9,200.00	9,100.54	9,215.01	9,101.54	18.34	17.84	89.61	496.38	1,537.56	2,367.04	2,334.30		32.73	72.312	
9,300.00	9,200.54	9,315.01	9,201.54	18.40	17.88	89.61	496.38	1,537.56	2,367.04	2,334.19		32.85	72.058	
9,400.00	9,300.54	9,415.01	9,301.54	18.47	17.93	89.61	496.38	1,537.56	2,367.04	2,334.07		32.97	71.804	
9,500.00	9,400.54	9,515.01	9,401.54	18.54	17.98	89.61	496.38	1,537.56	2,367.04	2,333.95		33.08	71.552	
9,600.00	9,500.54	9,615.01	9,501.54	18.60	18.03	89.61	496.38	1,537.56	2,367.04	2,333.84		33.20	71.300	
9,700.00	9,600.54	9,715.01	9,601.54	18.67	18.07	89.61	496.38	1,537.56	2,367.04	2,333.72		33.32	71.049	
9,800.00	9,700.54	9,815.01	9,701.54	18.74	18.12	89.61	496.38	1,537.56	2,367.04	2,333.60		33.43	70.800	
9,900.00	9,800.54	9,915.01	9,801.54	18.81	18.17	89.61	496.38	1,537.56	2,367.04	2,333.48		33.55	70.551	
10,000.00	9,900.54	10,015.01	9,901.54	18.88	18.22	89.61	496.38	1,537.56	2,367.04	2,333.37		33.67	70.303	
10,100.00	10,000.54	10,115.01	10,001.54	18.94	18.27	89.61	496.38	1,537.56	2,367.04	2,333.25		33.79	70.056	
10,200.00	10,100.54	10,215.01	10,101.54	19.01	18.32	89.61	496.38	1,537.56	2,367.04	2,333.13		33.91	69.811	
10,300.00	10,200.54	10,315.01	10,201.54	19.08	18.37	89.61	496.38	1,537.56	2,367.04	2,333.01		34.03	69.566	
10,400.00	10,300.54	10,415.01	10,301.54	19.15	18.42	89.61	496.38	1,537.56	2,367.04	2,332.89		34.15	69.322	
10,500.00	10,400.54	10,515.01	10,401.54	19.22	18.46	89.61	496.38	1,537.56	2,367.04	2,332.77		34.27	69.079	
10,600.00	10,500.54	10,615.01	10,501.54	19.28	18.51	89.61	496.38	1,537.56	2,367.04	2,332.65		34.39	68.837	
10,700.00	10,600.54	10,715.01	10,601.54	19.35	18.57	89.61	496.38	1,537.56	2,367.04	2,332.53		34.51	68.596	
10,800.00	10,700.54	10,815.01	10,701.54	19.42	18.62	89.61	496.38	1,537.56	2,367.04	2,332.41		34.63	68.356	
10,900.00	10,800.54	10,915.01	10,801.54	19.49	18.67	89.61	496.38	1,537.56	2,367.04	2,332.29		34.75	68.117	
11,000.00	10,900.54	11,015.01	10,901.54	19.56	18.72	89.61	496.38	1,537.56	2,367.04	2,332.16		34.87	67.880	
11,100.00	11,000.54	11,115.01	11,001.54	19.63	18.77	89.61	496.38	1,537.56	2,367.04	2,332.04		34.99	67.643	
11,200.00	11,100.54	11,215.01	11,101.54	19.70	18.82	89.61	496.38	1,537.56	2,367.04	2,331.92		35.12	67.407	
11,300.00	11,200.54	11,315.01	11,201.54	19.77	18.87	89.61	496.38	1,537.56	2,367.04	2,331.80		35.24	67.172	
11,400.00	11,300.54	11,415.01	11,301.54	19.84	18.92	89.61	496.38	1,537.56	2,367.04	2,331.67		35.36	66.938	
11,500.00	11,400.54	11,515.01	11,401.54	19.91	18.97	89.61	496.38	1,537.56	2,367.04	2,331.55		35.48	66.706	

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)												Offset Site Error:	0.00 usft
Reference												Offset Well Error:	0.50 usft
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Semi Major Axis Reference	Offset	Highside Toolface	Offset Wellbore Centre		Distance Between Centres		Minimum Separation	Separation Factor	Warning
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	(usft)		
20,900.00	12,199.69	21,236.17	12,499.85	117.78	130.62	-97.19	-8,415.80	1,617.72	2,389.28	2,142.81	246.47	9.694	
21,000.00	12,200.56	21,336.17	12,500.37	119.13	131.98	-97.18	-8,515.79	1,618.62	2,389.28	2,140.11	249.17	9.589	
21,100.00	12,201.43	21,436.17	12,500.90	120.48	133.34	-97.18	-8,615.79	1,619.52	2,389.27	2,137.40	251.87	9.486	
21,200.00	12,202.30	21,536.17	12,501.43	121.83	134.69	-97.17	-8,715.78	1,620.42	2,389.27	2,134.70	254.57	9.386	
21,300.00	12,203.17	21,636.17	12,501.95	123.18	136.05	-97.16	-8,815.78	1,621.32	2,389.26	2,131.99	257.27	9.287	
21,400.00	12,204.04	21,736.17	12,502.48	124.53	137.41	-97.15	-8,915.77	1,622.22	2,389.26	2,129.29	259.97	9.191	
21,500.00	12,204.92	21,836.17	12,503.01	125.88	138.76	-97.14	-9,015.76	1,623.12	2,389.26	2,126.58	262.67	9.096	
21,600.00	12,205.79	21,936.17	12,503.53	127.24	140.12	-97.13	-9,115.76	1,624.02	2,389.25	2,123.88	265.37	9.003	
21,700.00	12,206.66	22,036.17	12,504.06	128.59	141.48	-97.13	-9,215.75	1,624.92	2,389.25	2,121.17	268.07	8.913	
21,800.00	12,207.53	22,136.17	12,504.58	129.94	142.84	-97.12	-9,315.75	1,625.82	2,389.24	2,118.46	270.78	8.824	
21,900.00	12,208.40	22,236.17	12,505.11	131.30	144.19	-97.11	-9,415.74	1,626.72	2,389.24	2,115.76	273.48	8.736	
22,000.00	12,209.27	22,336.17	12,505.64	132.65	145.55	-97.10	-9,515.73	1,627.62	2,389.23	2,113.05	276.18	8.651	
22,100.00	12,210.14	22,436.17	12,506.16	134.01	146.91	-97.09	-9,615.73	1,628.52	2,389.23	2,110.34	278.89	8.567	
22,200.00	12,211.01	22,536.17	12,506.69	135.36	148.27	-97.08	-9,715.72	1,629.42	2,389.22	2,107.63	281.59	8.485	
22,300.00	12,211.88	22,636.16	12,507.21	136.71	149.63	-97.08	-9,815.72	1,630.32	2,389.22	2,104.92	284.30	8.404	
22,400.00	12,212.76	22,736.16	12,507.74	138.07	150.99	-97.07	-9,915.71	1,631.21	2,389.22	2,102.21	287.00	8.325	
22,485.42	12,213.50	22,821.59	12,508.19	139.23	152.14	-97.06	-10,001.13	1,631.98	2,389.21	2,099.93	289.28	8.259	
22,485.80	12,213.50	22,821.96	12,508.19	139.26	152.14	-97.06	-10,001.50	1,631.99	2,389.21	2,099.92	289.29	8.259	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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)		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
0.00	0.00	0.00	0.00	0.50	0.50	-26.57	50.00	-25.00	55.91				
100.00	100.00	99.00	99.00	0.98	0.97	-26.57	50.00	-25.00	55.90	53.95	1.95	28.595	
200.00	200.00	199.00	199.00	1.56	1.56	-26.57	50.00	-25.00	55.90	52.79	3.12	17.939	
300.00	300.00	299.00	299.00	1.98	1.98	-26.57	50.00	-25.00	55.90	51.94	3.96	14.123	CC, ES
400.00	400.00	397.59	397.58	2.33	2.40	-26.87	50.95	-25.81	57.13	52.40	4.73	12.085	
500.00	500.00	496.04	495.96	2.63	2.77	-27.72	53.81	-28.28	60.87	55.47	5.40	11.279	
600.00	600.00	594.23	593.94	2.91	3.11	-28.93	58.59	-32.38	67.13	61.14	6.00	11.191	
700.00	700.00	693.18	692.53	3.16	3.25	-30.24	64.98	-37.88	75.49	69.09	6.40	11.800	
800.00	800.00	792.80	791.77	3.40	3.50	-31.32	71.56	-43.54	84.07	77.20	6.88	12.220	
900.00	900.00	892.42	891.01	3.62	3.74	-32.19	78.14	-49.20	92.69	85.34	7.35	12.617	
1,000.00	1,000.00	992.04	990.25	3.84	3.97	-32.92	84.73	-54.86	101.31	93.52	7.79	12.999	
1,100.00	1,100.00	1,091.66	1,089.49	4.04	4.20	-33.54	91.31	-60.52	109.96	101.73	8.23	13.366	
1,200.00	1,200.00	1,191.28	1,188.73	4.23	4.43	-34.06	97.89	-66.18	118.61	109.96	8.65	13.710	
1,300.00	1,300.00	1,288.05	1,285.05	4.42	4.67	-34.55	105.01	-72.30	128.25	119.18	9.07	14.134	
1,400.00	1,400.00	1,383.95	1,380.23	4.60	4.92	-35.06	113.87	-79.92	140.38	130.89	9.49	14.793	
1,500.00	1,499.99	1,481.07	1,476.33	4.77	5.08	24.43	124.49	-89.05	153.95	144.14	9.80	15.703	
1,600.00	1,599.96	1,580.30	1,574.47	4.94	5.28	24.29	135.62	-98.62	166.31	156.14	10.17	16.350	
1,700.00	1,699.86	1,679.71	1,672.79	5.10	5.50	24.40	146.76	-108.20	177.10	166.54	10.55	16.784	
1,800.00	1,799.68	1,779.28	1,771.26	5.26	5.71	24.73	157.92	-117.80	186.30	175.37	10.93	17.045	
1,900.00	1,899.37	1,878.97	1,869.86	5.43	5.92	25.24	169.10	-127.41	193.94	182.63	11.31	17.149	
2,000.00	1,998.90	1,978.75	1,968.54	5.59	6.14	25.94	180.28	-137.03	200.03	188.34	11.69	17.113	
2,100.00	2,098.26	2,078.60	2,067.29	5.76	6.35	26.82	191.48	-146.66	204.59	192.52	12.07	16.951	
2,200.00	2,197.40	2,178.47	2,166.07	5.93	6.56	27.89	202.67	-156.28	207.66	195.21	12.45	16.677	
2,300.00	2,296.30	2,278.35	2,264.85	6.10	6.77	29.16	213.87	-165.91	209.27	196.44	12.84	16.303	
2,400.00	2,394.93	2,378.20	2,363.60	6.27	6.98	30.66	225.06	-175.54	209.49	196.26	13.22	15.841	
2,500.00	2,493.26	2,477.98	2,462.29	6.45	7.18	32.42	236.25	-185.16	208.37	194.76	13.62	15.305	
2,600.00	2,591.25	2,577.68	2,560.89	6.63	7.39	34.47	247.42	-194.77	206.01	192.00	14.01	14.704	
2,700.00	2,688.87	2,677.26	2,659.37	6.82	7.60	36.87	258.59	-204.37	202.52	188.11	14.41	14.053	
2,725.46	2,713.67	2,702.59	2,684.43	6.85	7.65	37.54	261.43	-206.81	201.47	186.97	14.49	13.900	
2,800.00	2,786.22	2,776.73	2,757.75	6.98	7.80	39.55	269.74	-213.96	198.42	183.65	14.77	13.431	
2,900.00	2,883.56	2,876.20	2,856.12	7.20	8.01	42.35	280.89	-223.55	194.73	179.54	15.19	12.822	
3,000.00	2,980.90	2,975.66	2,954.50	7.43	8.22	45.24	292.04	-233.13	191.52	175.91	15.61	12.271	
3,100.00	3,078.23	3,075.13	3,052.87	7.66	8.42	48.23	303.19	-242.72	188.83	172.79	16.04	11.776	
3,200.00	3,175.57	3,174.60	3,151.25	7.90	8.63	51.29	314.34	-252.31	186.66	170.19	16.47	11.334	
3,300.00	3,272.90	3,274.06	3,249.62	8.15	8.83	54.42	325.49	-261.90	185.05	168.14	16.91	10.943	
3,400.00	3,370.24	3,373.53	3,347.99	8.40	9.04	57.58	336.64	-271.49	184.00	166.64	17.36	10.601	
3,500.00	3,467.58	3,473.00	3,446.37	8.65	9.24	60.78	347.79	-281.08	183.53	165.72	17.81	10.305	
3,532.08	3,498.80	3,504.90	3,477.92	8.73	9.31	61.81	351.37	-284.15	183.50	165.54	17.96	10.219	
3,600.00	3,564.91	3,572.46	3,544.74	8.91	9.45	63.98	358.94	-290.67	183.63	165.36	18.27	10.053	
3,700.00	3,662.25	3,671.93	3,643.11	9.17	9.65	67.17	370.09	-300.25	184.31	165.58	18.73	9.841	
3,800.00	3,759.58	3,771.40	3,741.49	9.43	9.86	70.32	381.24	-309.84	185.56	166.37	19.19	9.668	
3,900.00	3,856.92	3,870.86	3,839.86	9.70	10.06	73.43	392.39	-319.43	187.38	167.72	19.66	9.530	
4,000.00	3,954.26	3,970.33	3,938.24	9.97	10.26	76.46	403.54	-329.02	189.73	169.60	20.13	9.425	
4,100.00	4,051.59	4,069.80	4,036.61	10.24	10.47	79.42	414.69	-338.61	192.61	172.01	20.60	9.350	
4,200.00	4,148.93	4,169.27	4,134.98	10.52	10.67	82.28	425.84	-348.20	196.00	174.93	21.07	9.302	
4,300.00	4,246.26	4,268.73	4,233.36	10.80	10.88	85.04	436.99	-357.79	199.85	178.31	21.54	9.278	
4,400.00	4,343.60	4,368.20	4,331.73	11.08	11.08	87.69	448.14	-367.38	204.16	182.15	22.01	9.277	
4,500.00	4,440.94	4,468.93	4,431.45	11.36	11.29	90.43	458.91	-376.64	208.67	186.20	22.47	9.288	
4,600.00	4,538.27	4,569.72	4,531.56	11.64	11.50	93.72	467.76	-384.25	212.96	190.06	22.90	9.299	
4,700.00	4,635.61	4,669.90	4,631.33	11.92	11.70	97.52	474.58	-390.11	217.37	194.08	23.30	9.331	
4,800.00	4,732.95	4,769.33	4,730.56	12.21	11.89	101.79	479.37	-394.23	222.37	198.72	23.65	9.404	
4,900.00	4,830.28	4,867.89	4,829.05	12.49	12.06	106.44	482.20	-396.66	228.43	204.48	23.95	9.538	

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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 Reference (usft)	Major Axis 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)						
5,000.00	4,927.62	4,965.47	4,926.62	12.78	12.18	111.40	483.09	-397.43	236.05	211.86		24.19	9.758	
5,100.00	5,024.95	5,062.81	5,023.95	13.07	12.24	116.28	483.09	-397.43	245.54	221.13		24.41	10.061	
5,200.00	5,122.29	5,160.14	5,121.29	13.36	12.32	120.78	483.09	-397.43	256.72	232.09		24.63	10.422	
5,300.00	5,219.63	5,257.48	5,218.63	13.65	12.40	124.90	483.09	-397.43	269.40	244.54		24.86	10.837	
5,400.00	5,316.96	5,354.81	5,315.96	13.95	12.48	128.64	483.09	-397.43	283.37	258.29		25.09	11.296	
5,500.00	5,414.30	5,452.15	5,413.30	14.24	12.56	132.03	483.09	-397.43	298.45	273.13		25.32	11.788	
5,574.00	5,486.33	5,524.18	5,485.33	14.44	12.62	134.33	483.09	-397.43	310.23	284.75		25.48	12.176	
5,600.00	5,511.65	5,549.50	5,510.65	14.51	12.64	135.12	483.09	-397.43	314.44	288.91		25.53	12.316	
5,700.00	5,609.28	5,647.13	5,608.28	14.79	12.72	137.85	483.09	-397.43	330.31	304.54		25.77	12.818	
5,800.00	5,707.27	5,745.12	5,706.27	15.06	12.80	140.15	483.09	-397.43	345.48	319.47		26.01	13.283	
5,900.00	5,805.60	5,843.45	5,804.60	15.31	12.88	142.08	483.09	-397.43	359.76	333.51		26.25	13.705	
6,000.00	5,904.23	5,942.08	5,903.23	15.54	12.96	143.71	483.09	-397.43	372.98	346.49		26.49	14.079	
6,100.00	6,003.13	6,040.98	6,002.13	15.75	13.04	145.08	483.09	-397.43	385.03	358.30		26.73	14.402	
6,200.00	6,102.27	6,140.12	6,101.27	15.95	13.12	146.22	483.09	-397.43	395.83	368.86		26.97	14.675	
6,300.00	6,201.63	6,239.48	6,200.63	16.13	13.20	147.15	483.09	-397.43	405.30	378.09		27.21	14.894	
6,400.00	6,301.17	6,339.02	6,300.17	16.29	13.28	147.92	483.09	-397.43	413.39	385.95		27.45	15.062	
6,500.00	6,400.86	6,438.71	6,399.86	16.43	13.37	148.52	483.09	-397.43	420.06	392.38		27.68	15.178	
6,600.00	6,500.67	6,538.52	6,499.67	16.56	13.45	148.97	483.09	-397.43	425.27	397.37		27.90	15.243	
6,700.00	6,600.58	6,638.43	6,599.58	16.67	13.53	149.29	483.09	-397.43	429.01	400.89		28.12	15.258	
6,800.00	6,700.54	6,738.39	6,699.54	16.76	13.61	149.48	483.09	-397.43	431.26	402.93		28.32	15.226	
6,899.47	6,800.00	6,837.85	6,799.00	16.83	13.69	89.61	483.09	-397.43	432.00	403.50		28.50	15.160	
6,900.00	6,800.54	6,838.39	6,799.54	16.83	13.69	89.61	483.09	-397.43	432.00	403.50		28.50	15.160	
7,000.00	6,900.54	6,938.39	6,899.54	16.90	13.78	89.61	483.09	-397.43	432.00	403.36		28.64	15.083	
7,100.00	7,000.54	7,038.39	6,999.54	16.96	13.86	89.61	483.09	-397.43	432.00	403.21		28.79	15.007	
7,200.00	7,100.54	7,138.39	7,099.54	17.02	13.94	89.61	483.09	-397.43	432.00	403.07		28.93	14.931	
7,300.00	7,200.54	7,238.39	7,199.54	17.09	14.02	89.61	483.09	-397.43	432.00	402.92		29.08	14.856	
7,400.00	7,300.54	7,338.39	7,299.54	17.15	14.10	89.61	483.09	-397.43	432.00	402.78		29.22	14.782	
7,500.00	7,400.54	7,438.39	7,399.54	17.22	14.19	89.61	483.09	-397.43	432.00	402.63		29.37	14.708	
7,600.00	7,500.54	7,538.39	7,499.54	17.28	14.27	89.61	483.09	-397.43	432.00	402.48		29.52	14.635	
7,700.00	7,600.54	7,638.39	7,599.54	17.35	14.35	89.61	483.09	-397.43	432.00	402.34		29.66	14.563	
7,800.00	7,700.54	7,738.39	7,699.54	17.41	14.43	89.61	483.09	-397.43	432.00	402.19		29.81	14.491	
7,900.00	7,800.54	7,838.39	7,799.54	17.48	14.51	89.61	483.09	-397.43	432.00	402.04		29.96	14.420	
8,000.00	7,900.54	7,938.39	7,899.54	17.54	14.60	89.61	483.09	-397.43	432.00	401.90		30.10	14.350	
8,100.00	8,000.54	8,038.39	7,999.54	17.61	14.68	89.61	483.09	-397.43	432.00	401.75		30.25	14.280	
8,200.00	8,100.54	8,138.39	8,099.54	17.67	14.76	89.61	483.09	-397.43	432.00	401.60		30.40	14.211	
8,300.00	8,200.54	8,238.39	8,199.54	17.74	14.84	89.61	483.09	-397.43	432.00	401.45		30.55	14.143	
8,400.00	8,300.54	8,338.39	8,299.54	17.80	14.92	89.61	483.09	-397.43	432.00	401.31		30.69	14.075	
8,500.00	8,400.54	8,438.39	8,399.54	17.87	15.01	89.61	483.09	-397.43	432.00	401.16		30.84	14.007	
8,600.00	8,500.54	8,538.39	8,499.54	17.94	15.09	89.61	483.09	-397.43	432.00	401.01		30.99	13.940	
8,700.00	8,600.54	8,638.39	8,599.54	18.00	15.17	89.61	483.09	-397.43	432.00	400.86		31.14	13.874	
8,800.00	8,700.54	8,738.39	8,699.54	18.07	15.25	89.61	483.09	-397.43	432.00	400.71		31.29	13.808	
8,900.00	8,800.54	8,838.39	8,799.54	18.14	15.34	89.61	483.09	-397.43	432.00	400.57		31.43	13.743	
9,000.00	8,900.54	8,938.39	8,899.54	18.20	15.42	89.61	483.09	-397.43	432.00	400.42		31.58	13.679	
9,100.00	9,000.54	9,038.39	8,999.54	18.27	15.50	89.61	483.09	-397.43	432.00	400.27		31.73	13.615	
9,200.00	9,100.54	9,138.39	9,099.54	18.34	15.58	89.61	483.09	-397.43	432.00	400.12		31.88	13.551	
9,300.00	9,200.54	9,238.39	9,199.54	18.40	15.66	89.61	483.09	-397.43	432.00	399.97		32.03	13.488	
9,400.00	9,300.54	9,338.39	9,299.54	18.47	15.75	89.61	483.09	-397.43	432.00	399.82		32.18	13.426	
9,500.00	9,400.54	9,438.39	9,399.54	18.54	15.83	89.61	483.09	-397.43	432.00	399.67		32.33	13.364	
9,600.00	9,500.54	9,538.39	9,499.54	18.60	15.91	89.61	483.09	-397.43	432.00	399.52		32.48	13.302	
9,700.00	9,600.54	9,638.39	9,599.54	18.67	15.99	89.61	483.09	-397.43	432.00	399.38		32.62	13.242	
9,800.00	9,700.54	9,738.39	9,699.54	18.74	16.07	89.61	483.09	-397.43	432.00	399.23		32.77	13.181	
9,900.00	9,800.54	9,838.39	9,799.54	18.81	16.16	89.61	483.09	-397.43	432.00	399.08		32.92	13.121	

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)	
14,100.00	12,140.45	14,418.26	12,523.45	30.60	29.02	-131.63	-1,632.13	-379.22	578.01	518.66	59.34	9.740		
14,200.00	12,141.32	14,518.26	12,524.32	31.63	30.12	-131.63	-1,732.13	-378.36	578.01	517.22	60.78	9.509		
14,300.00	12,142.19	14,618.26	12,525.20	32.69	31.24	-131.63	-1,832.12	-377.50	578.01	515.74	62.27	9.283		
14,400.00	12,143.07	14,718.26	12,526.07	33.76	32.39	-131.63	-1,932.11	-376.64	578.01	514.23	63.78	9.062		
14,500.00	12,143.94	14,818.26	12,526.94	34.86	33.55	-131.63	-2,032.10	-375.77	578.01	512.68	65.34	8.847		
14,600.00	12,144.81	14,918.26	12,527.81	35.98	34.73	-131.63	-2,132.10	-374.91	578.01	511.09	66.92	8.637		
14,700.00	12,145.68	15,018.26	12,528.69	37.11	35.92	-131.64	-2,232.09	-374.05	578.02	509.48	68.54	8.434		
14,800.00	12,146.55	15,118.26	12,529.56	38.26	37.13	-131.64	-2,332.08	-373.19	578.02	507.84	70.18	8.236		
14,900.00	12,147.42	15,218.26	12,530.43	39.43	38.34	-131.64	-2,432.07	-372.33	578.02	506.17	71.85	8.045		
15,000.00	12,148.29	15,318.26	12,531.31	40.61	39.57	-131.64	-2,532.07	-371.47	578.02	504.48	73.54	7.860		
15,100.00	12,149.16	15,418.26	12,532.18	41.80	40.81	-131.64	-2,632.06	-370.61	578.02	502.77	75.25	7.681		
15,200.00	12,150.03	15,518.26	12,533.05	43.00	42.05	-131.64	-2,732.05	-369.75	578.02	501.03	76.99	7.508		
15,300.00	12,150.91	15,618.26	12,533.93	44.21	43.31	-131.64	-2,832.04	-368.89	578.02	499.28	78.74	7.341		
15,400.00	12,151.78	15,718.26	12,534.80	45.43	44.57	-131.64	-2,932.04	-368.03	578.03	497.51	80.52	7.179		
15,500.00	12,152.65	15,818.26	12,535.67	46.66	45.83	-131.64	-3,032.03	-367.17	578.03	495.72	82.31	7.023		
15,600.00	12,153.52	15,918.26	12,536.55	47.89	47.10	-131.64	-3,132.02	-366.30	578.03	493.92	84.11	6.872		
15,700.00	12,154.39	16,018.26	12,537.42	49.14	48.38	-131.64	-3,232.01	-365.44	578.03	492.10	85.94	6.726		
15,800.00	12,155.26	16,118.26	12,538.29	50.39	49.67	-131.64	-3,332.01	-364.58	578.03	490.26	87.77	6.586		
15,900.00	12,156.13	16,218.26	12,539.17	51.65	50.95	-131.64	-3,432.00	-363.72	578.03	488.41	89.62	6.450		
16,000.00	12,157.00	16,318.26	12,540.04	52.91	52.25	-131.64	-3,531.99	-362.86	578.04	486.55	91.48	6.319		
16,100.00	12,157.87	16,418.26	12,540.91	54.18	53.54	-131.64	-3,631.98	-362.00	578.04	484.68	93.35	6.192		
16,200.00	12,158.75	16,518.26	12,541.79	55.45	54.84	-131.64	-3,731.98	-361.14	578.04	482.80	95.24	6.069		
16,300.00	12,159.62	16,618.26	12,542.66	56.73	56.14	-131.64	-3,831.97	-360.28	578.04	480.91	97.13	5.951		
16,400.00	12,160.49	16,718.26	12,543.53	58.01	57.45	-131.64	-3,931.96	-359.42	578.04	479.01	99.03	5.837		
16,500.00	12,161.36	16,818.26	12,544.41	59.29	58.76	-131.64	-4,031.95	-358.56	578.04	477.10	100.95	5.726		
16,600.00	12,162.23	16,918.26	12,545.28	60.58	60.07	-131.64	-4,131.95	-357.70	578.04	475.18	102.87	5.619		
16,700.00	12,163.10	17,018.26	12,546.15	61.88	61.38	-131.64	-4,231.94	-356.83	578.05	473.25	104.80	5.516		
16,800.00	12,163.97	17,118.26	12,547.03	63.17	62.70	-131.64	-4,331.93	-355.97	578.05	471.31	106.74	5.416		
16,900.00	12,164.84	17,218.26	12,547.90	64.47	64.02	-131.64	-4,431.92	-355.11	578.05	469.37	108.68	5.319		
17,000.00	12,165.71	17,318.26	12,548.77	65.77	65.34	-131.64	-4,531.92	-354.25	578.05	467.42	110.63	5.225		
17,100.00	12,166.59	17,418.26	12,549.65	67.08	66.66	-131.64	-4,631.91	-353.39	578.05	465.46	112.59	5.134		
17,200.00	12,167.46	17,518.26	12,550.52	68.39	67.99	-131.64	-4,731.90	-352.53	578.05	463.50	114.56	5.046		
17,300.00	12,168.33	17,618.26	12,551.39	69.70	69.32	-131.64	-4,831.89	-351.67	578.06	461.53	116.53	4.961		
17,400.00	12,169.20	17,718.26	12,552.27	71.01	70.64	-131.64	-4,931.89	-350.81	578.06	459.55	118.50	4.878		
17,500.00	12,170.07	17,818.26	12,553.14	72.32	71.97	-131.64	-5,031.88	-349.95	578.06	457.57	120.48	4.798		
17,600.00	12,170.94	17,918.26	12,554.01	73.64	73.31	-131.64	-5,131.87	-349.09	578.06	455.59	122.47	4.720		
17,700.00	12,171.81	18,018.26	12,554.89	74.96	74.64	-131.64	-5,231.86	-348.23	578.06	453.60	124.46	4.644		
17,800.00	12,172.68	18,118.26	12,555.76	76.28	75.97	-131.64	-5,331.85	-347.36	578.06	451.60	126.46	4.571		
17,900.00	12,173.56	18,218.26	12,556.63	77.60	77.31	-131.64	-5,431.85	-346.50	578.06	449.61	128.46	4.500		
18,000.00	12,174.43	18,318.26	12,557.51	78.92	78.65	-131.64	-5,531.84	-345.64	578.07	447.60	130.46	4.431		
18,100.00	12,175.30	18,418.26	12,558.38	80.25	79.98	-131.64	-5,631.83	-344.78	578.07	445.60	132.47	4.364		
18,200.00	12,176.17	18,518.26	12,559.25	81.58	81.32	-131.64	-5,731.82	-343.92	578.07	443.58	134.49	4.298		
18,300.00	12,177.04	18,618.26	12,560.12	82.91	82.66	-131.64	-5,831.82	-343.06	578.07	441.57	136.50	4.235		
18,400.00	12,177.91	18,718.26	12,561.00	84.23	84.00	-131.64	-5,931.81	-342.20	578.07	439.55	138.52	4.173		
18,500.00	12,178.78	18,818.26	12,561.87	85.57	85.34	-131.64	-6,031.80	-341.34	578.07	437.53	140.54	4.113		
18,600.00	12,179.65	18,918.26	12,562.74	86.90	86.69	-131.64	-6,131.79	-340.48	578.08	435.50	142.57	4.055		
18,700.00	12,180.52	19,018.26	12,563.62	88.23	88.03	-131.64	-6,231.79	-339.62	578.08	433.48	144.60	3.998		
18,800.00	12,181.40	19,118.26	12,564.49	89.57	89.38	-131.64	-6,331.78	-338.76	578.08	431.45	146.63	3.942		
18,900.00	12,182.27	19,218.26	12,565.36	90.90	90.72	-131.64	-6,431.77	-337.89	578.08	429.41	148.67	3.888		
19,000.00	12,183.14	19,318.26	12,566.24	92.24	92.07	-131.64	-6,531.76	-337.03	578.08	427.38	150.70	3.836		
19,100.00	12,184.01	19,418.26	12,567.11	93.57	93.41	-131.64	-6,631.76	-336.17	578.08	425.34	152.75	3.785		
19,200.00	12,184.88	19,518.26	12,567.98	94.91	94.76	-131.64	-6,731.75	-335.31	578.08	423.30	154.79	3.735		

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)						
19,300.00	12,185.75	19,618.26	12,568.86	96.25	96.11	-131.64	-6,831.74	-334.45	578.09	421.25		156.83	3.686	
19,400.00	12,186.62	19,718.26	12,569.73	97.59	97.46	-131.64	-6,931.73	-333.59	578.09	419.21		158.88	3.638	
19,500.00	12,187.49	19,818.26	12,570.60	98.93	98.81	-131.64	-7,031.73	-332.73	578.09	417.16		160.93	3.592	
19,600.00	12,188.36	19,918.26	12,571.48	100.28	100.16	-131.64	-7,131.72	-331.87	578.09	415.11		162.98	3.547	
19,700.00	12,189.24	20,018.26	12,572.35	101.62	101.51	-131.64	-7,231.71	-331.01	578.09	413.06		165.04	3.503	
19,800.00	12,190.11	20,118.26	12,573.22	102.96	102.86	-131.64	-7,331.70	-330.15	578.09	411.00		167.09	3.460	
19,900.00	12,190.98	20,218.26	12,574.10	104.30	104.21	-131.64	-7,431.70	-329.28	578.10	408.94		169.15	3.418	
20,000.00	12,191.85	20,318.26	12,574.97	105.65	105.56	-131.64	-7,531.69	-328.42	578.10	406.89		171.21	3.377	
20,100.00	12,192.72	20,418.26	12,575.84	106.99	106.91	-131.64	-7,631.68	-327.56	578.10	404.83		173.27	3.336	
20,200.00	12,193.59	20,518.26	12,576.72	108.34	108.26	-131.64	-7,731.67	-326.70	578.10	402.76		175.34	3.297	
20,300.00	12,194.46	20,618.26	12,577.59	109.69	109.62	-131.64	-7,831.67	-325.84	578.10	400.70		177.40	3.259	
20,400.00	12,195.33	20,718.26	12,578.46	111.03	110.97	-131.64	-7,931.66	-324.98	578.10	398.64		179.47	3.221	
20,500.00	12,196.20	20,818.26	12,579.34	112.38	112.32	-131.64	-8,031.65	-324.12	578.10	396.57		181.53	3.185	
20,600.00	12,197.08	20,918.26	12,580.21	113.73	113.68	-131.64	-8,131.64	-323.26	578.11	394.50		183.60	3.149	
20,700.00	12,197.95	21,018.26	12,581.08	115.08	115.03	-131.64	-8,231.64	-322.40	578.11	392.43		185.67	3.114	
20,800.00	12,198.82	21,118.26	12,581.96	116.43	116.39	-131.64	-8,331.63	-321.54	578.11	390.36		187.75	3.079	
20,900.00	12,199.69	21,218.26	12,582.83	117.78	117.74	-131.64	-8,431.62	-320.68	578.11	388.29		189.82	3.046	
21,000.00	12,200.56	21,318.26	12,583.70	119.13	119.10	-131.64	-8,531.61	-319.81	578.11	386.22		191.90	3.013	
21,100.00	12,201.43	21,418.26	12,584.58	120.48	120.46	-131.64	-8,631.61	-318.95	578.11	384.14		193.97	2.980	
21,200.00	12,202.30	21,518.26	12,585.45	121.83	121.81	-131.64	-8,731.60	-318.09	578.12	382.07		196.05	2.949	
21,300.00	12,203.17	21,618.26	12,586.32	123.18	123.17	-131.64	-8,831.59	-317.23	578.12	379.99		198.13	2.918	
21,400.00	12,204.04	21,718.26	12,587.20	124.53	124.53	-131.64	-8,931.58	-316.37	578.12	377.91		200.21	2.888	
21,500.00	12,204.92	21,818.26	12,588.07	125.88	125.88	-131.64	-9,031.58	-315.51	578.12	375.83		202.29	2.858	
21,600.00	12,205.79	21,918.26	12,588.94	127.24	127.24	-131.64	-9,131.57	-314.65	578.12	373.75		204.37	2.829	
21,700.00	12,206.66	22,018.26	12,589.81	128.59	128.60	-131.65	-9,231.56	-313.79	578.12	371.67		206.45	2.800	
21,800.00	12,207.53	22,118.26	12,590.69	129.94	129.96	-131.65	-9,331.55	-312.93	578.12	369.59		208.54	2.772	
21,900.00	12,208.40	22,218.26	12,591.56	131.30	131.31	-131.65	-9,431.55	-312.07	578.13	367.50		210.62	2.745	
22,000.00	12,209.27	22,318.26	12,592.43	132.65	132.67	-131.65	-9,531.54	-311.21	578.13	365.42		212.71	2.718	
22,100.00	12,210.14	22,418.26	12,593.31	134.01	134.03	-131.65	-9,631.53	-310.34	578.13	363.33		214.79	2.692	
22,200.00	12,211.01	22,518.26	12,594.18	135.36	135.39	-131.65	-9,731.52	-309.48	578.13	361.25		216.88	2.666	
22,300.00	12,211.88	22,618.26	12,595.05	136.71	136.75	-131.65	-9,831.51	-308.62	578.13	359.16		218.97	2.640	
22,400.00	12,212.76	22,718.26	12,595.93	138.07	138.11	-131.65	-9,931.51	-307.76	578.13	357.07		221.06	2.615	
22,485.42	12,213.50	22,803.68	12,596.67	139.23	139.27	-131.65	-10,016.93	-307.03	578.14	355.29		222.85	2.594	
22,485.80	12,213.50	22,804.05	12,596.68	139.26	139.28	-131.65	-10,017.30	-307.02	578.14	355.28		222.85	2.594	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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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:	
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	-6.07	235.00	-25.00	236.33						
100.00	100.00	100.00	100.00	0.98	0.98	-6.07	235.00	-25.00	236.33	234.36	1.96	120.440			
200.00	200.00	200.00	200.00	1.56	1.56	-6.07	235.00	-25.00	236.33	233.20	3.12	75.691			
300.00	300.00	300.00	300.00	1.98	1.98	-6.07	235.00	-25.00	236.33	232.36	3.96	59.643			
400.00	400.00	400.00	400.00	2.33	2.33	-6.07	235.00	-25.00	236.33	231.67	4.66	50.726			
500.00	500.00	500.00	500.00	2.63	2.63	-6.07	235.00	-25.00	236.33	231.06	5.27	44.852			
600.00	600.00	600.00	600.00	2.91	2.91	-6.07	235.00	-25.00	236.33	230.51	5.82	40.605			
700.00	700.00	700.00	700.00	3.16	3.16	-6.07	235.00	-25.00	236.33	230.00	6.33	37.348			
800.00	800.00	800.00	800.00	3.40	3.40	-6.07	235.00	-25.00	236.33	229.52	6.80	34.748			
900.00	900.00	900.00	900.00	3.62	3.62	-6.07	235.00	-25.00	236.33	229.08	7.25	32.608			
1,000.00	1,000.00	1,000.18	1,000.18	3.84	3.76	-6.06	235.00	-24.95	236.32	228.72	7.60	31.112			
1,100.00	1,100.00	1,101.01	1,100.99	4.04	4.00	-5.61	234.93	-23.08	236.07	228.08	7.99	29.542			
1,200.00	1,200.00	1,201.68	1,201.55	4.23	4.24	-4.52	234.78	-18.57	235.51	227.14	8.37	28.135			
1,300.00	1,300.00	1,302.04	1,301.66	4.42	4.46	-2.79	234.53	-11.44	234.81	226.08	8.74	26.879			
1,400.00	1,400.00	1,401.72	1,400.96	4.60	4.60	-0.68	234.22	-2.78	234.24	225.19	9.05	25.881			
1,500.00	1,499.99	1,501.26	1,500.13	4.77	4.78	61.57	233.92	5.90	233.58	224.18	9.40	24.854			
1,600.00	1,599.96	1,600.65	1,599.13	4.94	4.96	64.27	233.62	14.55	232.54	222.80	9.74	23.887			
1,700.00	1,699.86	1,699.84	1,697.94	5.10	5.14	67.39	233.32	23.19	231.34	221.28	10.07	22.978			
1,800.00	1,799.68	1,798.80	1,796.53	5.26	5.31	70.91	233.02	31.81	230.27	219.87	10.40	22.146			
1,900.00	1,899.37	1,897.51	1,894.86	5.43	5.49	74.86	232.72	40.41	229.62	218.89	10.73	21.406			
1,937.15	1,936.36	1,934.10	1,931.32	5.49	5.56	76.43	232.60	43.60	229.56	218.71	10.85	21.160	CC		
2,000.00	1,998.90	1,995.93	1,992.91	5.59	5.67	79.20	232.42	48.98	229.76	218.70	11.06	20.780	ES		
2,100.00	2,098.26	2,094.04	2,090.64	5.76	5.84	83.90	232.12	57.53	231.06	219.67	11.39	20.287			
2,200.00	2,197.40	2,191.80	2,188.03	5.93	6.02	88.90	231.82	66.04	233.93	222.19	11.74	19.934			
2,300.00	2,296.30	2,284.73	2,280.54	6.10	6.20	93.95	231.92	74.90	239.53	227.46	12.07	19.841			
2,400.00	2,394.93	2,375.86	2,371.04	6.27	6.38	99.18	233.00	85.52	249.62	237.20	12.43	20.090			
2,500.00	2,493.26	2,465.58	2,459.89	6.45	6.57	104.34	235.01	97.86	264.65	251.87	12.79	20.695			
2,600.00	2,591.25	2,553.75	2,546.89	6.63	6.76	109.22	237.91	111.79	284.82	271.66	13.15	21.652			
2,700.00	2,688.87	2,640.21	2,631.89	6.82	6.94	113.66	241.63	127.19	310.08	296.56	13.52	22.940			
2,725.46	2,713.67	2,661.94	2,653.19	6.85	6.99	114.72	242.70	131.33	317.31	303.72	13.59	23.350			
2,800.00	2,786.22	2,725.00	2,714.88	6.98	7.12	117.76	246.13	143.96	340.05	326.22	13.83	24.588			
2,900.00	2,883.56	2,808.45	2,796.17	7.20	7.30	121.27	251.37	162.06	373.79	359.61	14.17	26.371			
3,000.00	2,980.90	2,890.52	2,875.71	7.43	7.47	124.19	257.32	181.40	410.81	396.30	14.51	28.319			
3,100.00	3,078.23	2,979.68	2,961.83	7.66	7.64	126.86	264.28	203.39	449.95	435.08	14.88	30.248			
3,200.00	3,175.57	3,069.70	3,048.78	7.90	7.81	129.14	271.32	225.61	489.85	474.60	15.25	32.119			
3,300.00	3,272.90	3,159.72	3,135.73	8.15	7.99	131.09	278.36	247.82	530.32	514.69	15.63	33.933			
3,400.00	3,370.24	3,249.74	3,222.69	8.40	8.16	132.77	285.39	270.03	571.24	555.23	16.01	35.688			
3,500.00	3,467.58	3,339.76	3,309.64	8.65	8.34	134.22	292.43	292.25	612.53	596.13	16.39	37.369			
3,600.00	3,564.91	3,429.78	3,396.59	8.91	8.60	135.50	299.46	314.46	654.10	637.33	16.77	38.996			
3,700.00	3,662.25	3,519.80	3,483.54	9.17	8.85	136.62	306.50	336.67	695.92	678.76	17.16	40.555			
3,800.00	3,759.58	3,609.82	3,570.50	9.43	9.11	137.62	313.53	358.88	737.94	720.39	17.55	42.049			
3,900.00	3,856.92	3,699.84	3,657.45	9.70	9.38	138.51	320.57	381.10	780.13	762.19	17.94	43.482			
4,000.00	3,954.26	3,789.86	3,744.40	9.97	9.65	139.32	327.60	403.31	822.46	804.12	18.34	44.855			
4,100.00	4,051.59	3,879.88	3,831.35	10.24	9.92	140.04	334.64	425.52	864.91	846.17	18.73	46.171			
4,200.00	4,148.93	3,969.90	3,918.31	10.52	10.19	140.70	341.67	447.74	907.46	888.33	19.13	47.431			
4,300.00	4,246.26	4,059.92	4,005.26	10.80	10.46	141.30	348.71	469.95	950.10	930.57	19.53	48.638			
4,400.00	4,343.60	4,149.94	4,092.21	11.08	10.74	141.85	355.75	492.16	992.83	972.89	19.94	49.795			
4,500.00	4,440.94	4,239.96	4,179.17	11.36	11.02	142.35	362.78	514.37	1,035.62	1,015.27	20.34	50.904			
4,600.00	4,538.27	4,329.98	4,266.12	11.64	11.30	142.81	369.82	536.59	1,078.47	1,057.71	20.75	51.967			
4,700.00	4,635.61	4,420.00	4,353.07	11.92	11.59	143.24	376.85	558.80	1,121.37	1,100.21	21.16	52.986			
4,800.00	4,732.95	4,510.02	4,440.02	12.21	11.87	143.64	383.89	581.01	1,164.32	1,142.75	21.58	53.964			
4,900.00	4,830.28	4,600.04	4,526.98	12.49	12.16	144.01	390.92	603.23	1,207.32	1,185.33	21.99	54.903			

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)			
5,000.00	4,927.62	4,690.06	4,613.93	12.78	12.45	144.35	397.96	625.44	1,250.35	1,227.95	22.41	55.804	
5,100.00	5,024.95	4,780.09	4,700.88	13.07	12.74	144.67	404.99	647.65	1,293.42	1,270.60	22.82	56.669	
5,200.00	5,122.29	4,870.11	4,787.83	13.36	13.03	144.97	412.03	669.86	1,336.52	1,313.28	23.24	57.501	
5,300.00	5,219.63	4,960.13	4,874.79	13.65	13.32	145.25	419.06	692.08	1,379.65	1,355.98	23.66	58.300	
5,400.00	5,316.96	5,050.15	4,961.74	13.95	13.61	145.52	426.10	714.29	1,422.80	1,398.71	24.09	59.068	
5,500.00	5,414.30	5,140.17	5,048.69	14.24	13.91	145.77	433.13	736.50	1,465.97	1,441.46	24.51	59.807	
5,574.00	5,486.33	5,206.78	5,113.04	14.44	14.13	145.94	438.34	752.94	1,497.94	1,473.12	24.81	60.365	
5,600.00	5,511.65	5,230.21	5,135.67	14.51	14.20	146.07	440.17	758.72	1,509.13	1,484.21	24.92	60.570	
5,700.00	5,609.28	5,320.74	5,223.11	14.79	14.50	146.52	447.25	781.06	1,551.34	1,526.01	25.34	61.227	
5,800.00	5,707.27	5,425.66	5,324.50	15.06	14.83	146.93	455.40	806.81	1,592.16	1,566.35	25.81	61.682	
5,900.00	5,805.60	5,581.77	5,476.39	15.31	15.31	147.36	466.26	841.08	1,629.13	1,602.62	26.51	61.453	
6,000.00	5,904.23	5,743.31	5,634.99	15.54	15.72	147.75	475.51	870.29	1,660.98	1,633.81	27.18	61.120	
6,100.00	6,003.13	5,909.62	5,799.48	15.75	16.09	148.12	482.91	893.65	1,687.49	1,659.69	27.80	60.701	
6,200.00	6,102.27	6,079.93	5,968.86	15.95	16.38	148.47	488.24	910.48	1,708.47	1,680.10	28.37	60.221	
6,300.00	6,201.63	6,253.34	6,141.95	16.13	16.59	148.79	491.32	920.20	1,723.75	1,694.88	28.87	59.703	
6,400.00	6,301.17	6,412.59	6,301.17	16.29	16.71	149.08	492.07	922.58	1,733.32	1,704.11	29.21	59.347	
6,500.00	6,400.86	6,512.28	6,400.86	16.43	16.77	149.25	492.07	922.58	1,740.06	1,710.63	29.43	59.130	
6,600.00	6,500.67	6,612.09	6,500.67	16.56	16.83	149.38	492.07	922.58	1,745.30	1,715.66	29.64	58.885	
6,700.00	6,600.58	6,712.00	6,600.58	16.67	16.89	149.47	492.07	922.58	1,749.05	1,719.21	29.84	58.613	
6,800.00	6,700.54	6,811.96	6,700.54	16.76	16.94	149.53	492.07	922.58	1,751.30	1,721.27	30.03	58.319	
6,899.47	6,800.00	6,911.42	6,800.00	16.83	17.00	89.61	492.07	922.58	1,752.04	1,721.86	30.18	58.050	
6,900.00	6,800.54	6,911.96	6,800.54	16.83	17.00	89.61	492.07	922.58	1,752.04	1,721.86	30.18	58.049	
7,000.00	6,900.54	7,011.96	6,900.54	16.90	17.06	89.61	492.07	922.58	1,752.04	1,721.73	30.31	57.810	
7,100.00	7,000.54	7,111.96	7,000.54	16.96	17.12	89.61	492.07	922.58	1,752.04	1,721.61	30.43	57.573	
7,200.00	7,100.54	7,211.96	7,100.54	17.02	17.18	89.61	492.07	922.58	1,752.04	1,721.48	30.56	57.337	
7,300.00	7,200.54	7,311.96	7,200.54	17.09	17.24	89.61	492.07	922.58	1,752.04	1,721.36	30.68	57.103	
7,400.00	7,300.54	7,411.96	7,300.54	17.15	17.30	89.61	492.07	922.58	1,752.04	1,721.23	30.81	56.870	
7,500.00	7,400.54	7,511.96	7,400.54	17.22	17.36	89.61	492.07	922.58	1,752.04	1,721.11	30.93	56.638	
7,600.00	7,500.54	7,611.96	7,500.54	17.28	17.42	89.61	492.07	922.58	1,752.04	1,720.98	31.06	56.407	
7,700.00	7,600.54	7,711.96	7,600.54	17.35	17.48	89.61	492.07	922.58	1,752.04	1,720.85	31.19	56.178	
7,800.00	7,700.54	7,811.96	7,700.54	17.41	17.54	89.61	492.07	922.58	1,752.04	1,720.73	31.31	55.950	
7,900.00	7,800.54	7,911.96	7,800.54	17.48	17.60	89.61	492.07	922.58	1,752.04	1,720.60	31.44	55.723	
8,000.00	7,900.54	8,011.96	7,900.54	17.54	17.66	89.61	492.07	922.58	1,752.04	1,720.47	31.57	55.497	
8,100.00	8,000.54	8,111.96	8,000.54	17.61	17.72	89.61	492.07	922.58	1,752.04	1,720.34	31.70	55.273	
8,200.00	8,100.54	8,211.96	8,100.54	17.67	17.78	89.61	492.07	922.58	1,752.04	1,720.21	31.83	55.050	
8,300.00	8,200.54	8,311.96	8,200.54	17.74	17.84	89.61	492.07	922.58	1,752.04	1,720.09	31.96	54.828	
8,400.00	8,300.54	8,411.96	8,300.54	17.80	17.90	89.61	492.07	922.58	1,752.04	1,719.96	32.08	54.608	
8,500.00	8,400.54	8,511.96	8,400.54	17.87	17.96	89.61	492.07	922.58	1,752.04	1,719.83	32.21	54.388	
8,600.00	8,500.54	8,611.96	8,500.54	17.94	18.02	89.61	492.07	922.58	1,752.04	1,719.70	32.34	54.170	
8,700.00	8,600.54	8,711.96	8,600.54	18.00	18.08	89.61	492.07	922.58	1,752.04	1,719.57	32.47	53.953	
8,800.00	8,700.54	8,811.96	8,700.54	18.07	18.15	89.61	492.07	922.58	1,752.04	1,719.44	32.60	53.738	
8,900.00	8,800.54	8,911.96	8,800.54	18.14	18.21	89.61	492.07	922.58	1,752.04	1,719.31	32.73	53.523	
9,000.00	8,900.54	9,011.96	8,900.54	18.20	18.27	89.61	492.07	922.58	1,752.04	1,719.18	32.86	53.310	
9,100.00	9,000.54	9,111.96	9,000.54	18.27	18.33	89.61	492.07	922.58	1,752.04	1,719.04	33.00	53.098	
9,200.00	9,100.54	9,211.96	9,100.54	18.34	18.39	89.61	492.07	922.58	1,752.04	1,718.91	33.13	52.888	
9,300.00	9,200.54	9,311.96	9,200.54	18.40	18.46	89.61	492.07	922.58	1,752.04	1,718.78	33.26	52.678	
9,400.00	9,300.54	9,411.96	9,300.54	18.47	18.52	89.61	492.07	922.58	1,752.04	1,718.65	33.39	52.470	
9,500.00	9,400.54	9,511.96	9,400.54	18.54	18.58	89.61	492.07	922.58	1,752.04	1,718.52	33.52	52.263	
9,600.00	9,500.54	9,611.96	9,500.54	18.60	18.64	89.61	492.07	922.58	1,752.04	1,718.38	33.66	52.057	
9,700.00	9,600.54	9,711.96	9,600.54	18.67	18.71	89.61	492.07	922.58	1,752.04	1,718.25	33.79	51.852	
9,800.00	9,700.54	9,811.96	9,700.54	18.74	18.77	89.61	492.07	922.58	1,752.04	1,718.12	33.92	51.649	
9,900.00	9,800.54	9,911.96	9,800.54	18.81	18.83	89.61	492.07	922.58	1,752.04	1,717.99	34.06	51.447	

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)				
19,300.00	12,185.75	19,688.44	12,568.86	96.25	99.24	-102.33	-6,820.38	985.56	1,793.47	1,602.82	190.65	9.407		
19,400.00	12,186.62	19,788.44	12,569.73	97.59	100.58	-102.33	-6,920.37	986.42	1,793.47	1,600.19	193.28	9.279		
19,500.00	12,187.49	19,888.44	12,570.61	98.93	101.92	-102.33	-7,020.37	987.28	1,793.47	1,597.55	195.92	9.154		
19,600.00	12,188.36	19,988.44	12,571.48	100.28	103.26	-102.33	-7,120.36	988.14	1,793.47	1,594.92	198.56	9.033		
19,700.00	12,189.24	20,088.44	12,572.35	101.62	104.60	-102.33	-7,220.35	989.00	1,793.47	1,592.28	201.19	8.914		
19,800.00	12,190.11	20,188.44	12,573.23	102.96	105.94	-102.34	-7,320.34	989.86	1,793.47	1,589.64	203.83	8.799		
19,900.00	12,190.98	20,288.44	12,574.10	104.30	107.28	-102.34	-7,420.34	990.72	1,793.47	1,587.00	206.47	8.686		
20,000.00	12,191.85	20,388.44	12,574.98	105.65	108.63	-102.34	-7,520.33	991.58	1,793.47	1,584.36	209.12	8.576		
20,100.00	12,192.72	20,488.44	12,575.85	106.99	109.97	-102.34	-7,620.32	992.45	1,793.48	1,581.72	211.76	8.469		
20,200.00	12,193.59	20,588.44	12,576.72	108.34	111.31	-102.34	-7,720.31	993.31	1,793.48	1,579.07	214.40	8.365		
20,300.00	12,194.46	20,688.44	12,577.60	109.69	112.66	-102.34	-7,820.31	994.17	1,793.48	1,576.43	217.05	8.263		
20,400.00	12,195.33	20,788.44	12,578.47	111.03	114.00	-102.34	-7,920.30	995.03	1,793.48	1,573.78	219.69	8.163		
20,500.00	12,196.20	20,888.44	12,579.34	112.38	115.35	-102.34	-8,020.29	995.89	1,793.48	1,571.14	222.34	8.066		
20,600.00	12,197.08	20,988.44	12,580.22	113.73	116.70	-102.34	-8,120.28	996.75	1,793.48	1,568.49	224.99	7.971		
20,700.00	12,197.95	21,088.44	12,581.09	115.08	118.04	-102.34	-8,220.28	997.61	1,793.48	1,565.84	227.64	7.879		
20,800.00	12,198.82	21,188.44	12,581.96	116.43	119.39	-102.34	-8,320.27	998.47	1,793.48	1,563.19	230.29	7.788		
20,900.00	12,199.69	21,288.44	12,582.84	117.78	120.74	-102.34	-8,420.26	999.33	1,793.48	1,560.55	232.94	7.699		
21,000.00	12,200.56	21,388.44	12,583.71	119.13	122.09	-102.34	-8,520.25	1,000.20	1,793.48	1,557.90	235.59	7.613		
21,100.00	12,201.43	21,488.44	12,584.58	120.48	123.44	-102.34	-8,620.25	1,001.06	1,793.48	1,555.25	238.24	7.528		
21,200.00	12,202.30	21,588.44	12,585.46	121.83	124.79	-102.34	-8,720.24	1,001.92	1,793.49	1,552.59	240.89	7.445		
21,300.00	12,203.17	21,688.44	12,586.33	123.18	126.14	-102.34	-8,820.23	1,002.78	1,793.49	1,549.94	243.54	7.364		
21,400.00	12,204.04	21,788.44	12,587.21	124.53	127.49	-102.34	-8,920.22	1,003.64	1,793.49	1,547.29	246.20	7.285		
21,500.00	12,204.92	21,888.44	12,588.08	125.88	128.84	-102.34	-9,020.21	1,004.50	1,793.49	1,544.64	248.85	7.207		
21,600.00	12,205.79	21,988.44	12,588.95	127.24	130.19	-102.34	-9,120.21	1,005.36	1,793.49	1,541.98	251.51	7.131		
21,700.00	12,206.66	22,088.44	12,589.83	128.59	131.54	-102.34	-9,220.20	1,006.22	1,793.49	1,539.33	254.16	7.056		
21,800.00	12,207.53	22,188.44	12,590.70	129.94	132.89	-102.34	-9,320.19	1,007.09	1,793.49	1,536.67	256.82	6.983		
21,900.00	12,208.40	22,288.44	12,591.57	131.30	134.24	-102.34	-9,420.18	1,007.95	1,793.49	1,534.02	259.47	6.912		
22,000.00	12,209.27	22,388.44	12,592.45	132.65	135.60	-102.34	-9,520.18	1,008.81	1,793.49	1,531.36	262.13	6.842		
22,100.00	12,210.14	22,488.44	12,593.32	134.01	136.95	-102.34	-9,620.17	1,009.67	1,793.49	1,528.70	264.79	6.773		
22,200.00	12,211.01	22,588.44	12,594.19	135.36	138.30	-102.34	-9,720.16	1,010.53	1,793.49	1,526.05	267.45	6.706		
22,300.00	12,211.88	22,688.44	12,595.07	136.71	139.66	-102.34	-9,820.15	1,011.39	1,793.50	1,523.39	270.11	6.640		
22,400.00	12,212.76	22,788.44	12,595.94	138.07	141.01	-102.34	-9,920.15	1,012.25	1,793.50	1,520.73	272.77	6.575		
22,485.42	12,213.50	22,873.87	12,596.69	139.23	142.17	-102.34	-10,005.56	1,012.99	1,793.50	1,518.46	275.04	6.521		
22,485.80	12,213.50	22,874.24	12,596.69	139.26	142.17	-102.34	-10,005.94	1,012.99	1,793.50	1,518.45	275.05	6.521	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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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 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	0.00	0.00	0.50	0.50	-90.00	0.00	-25.00	25.00								
100.00	100.00	100.00	100.00	0.98	0.98	-90.00	0.00	-25.00	25.00	23.04	1.96	12.741					
200.00	200.00	200.00	200.00	1.56	1.56	-90.00	0.00	-25.00	25.00	21.88	3.12	8.007					
300.00	300.00	300.00	300.00	1.98	1.98	-90.00	0.00	-25.00	25.00	21.04	3.96	6.309					
400.00	400.00	400.00	400.00	2.33	2.33	-90.00	0.00	-25.00	25.00	20.34	4.66	5.366					
500.00	500.00	500.00	500.00	2.63	2.63	-90.00	0.00	-25.00	25.00	19.73	5.27	4.745					
600.00	600.00	600.00	600.00	2.91	2.91	-90.00	0.00	-25.00	25.00	19.18	5.82	4.295					
700.00	700.00	700.00	700.00	3.16	3.16	-90.00	0.00	-25.00	25.00	18.67	6.33	3.951	CC, ES				
800.00	800.00	799.56	799.55	3.40	3.46	-87.80	0.99	-25.83	25.86	19.03	6.82	3.789					
900.00	900.00	898.98	898.89	3.62	3.73	-82.02	3.97	-28.33	28.63	21.33	7.30	3.922					
1,000.00	1,000.00	998.14	997.83	3.84	3.99	-74.66	8.91	-32.48	33.74	25.98	7.76	4.347					
1,100.00	1,100.00	1,097.50	1,096.83	4.04	4.11	-67.88	15.42	-37.94	41.07	32.98	8.09	5.076					
1,200.00	1,200.00	1,197.12	1,196.07	4.23	4.31	-63.11	22.07	-43.52	48.95	40.45	8.50	5.760					
1,300.00	1,300.00	1,296.74	1,295.31	4.42	4.52	-59.67	28.72	-49.10	57.08	48.18	8.89	6.417					
1,400.00	1,400.00	1,396.36	1,394.55	4.60	4.72	-57.10	35.37	-54.68	65.35	56.07	9.28	7.042					
1,500.00	1,499.99	1,496.04	1,493.86	4.77	4.91	4.88	42.03	-60.27	72.86	63.21	9.65	7.548					
1,600.00	1,599.96	1,595.84	1,593.28	4.94	5.11	6.68	48.69	-65.86	78.72	68.70	10.02	7.860					
1,700.00	1,699.86	1,695.72	1,692.78	5.10	5.31	8.40	55.36	-71.45	82.92	72.54	10.38	7.991					
1,800.00	1,799.68	1,795.66	1,792.33	5.26	5.50	10.17	62.03	-77.05	85.47	74.73	10.74	7.960					
1,900.00	1,899.37	1,895.61	1,891.91	5.43	5.69	12.06	68.70	-82.65	86.38	75.29	11.10	7.784					
2,000.00	1,998.90	1,995.56	1,991.47	5.59	5.89	14.20	75.38	-88.25	85.70	74.24	11.46	7.479					
2,100.00	2,098.26	2,095.46	2,091.00	5.76	6.08	16.71	82.05	-93.85	83.47	71.65	11.82	7.061					
2,200.00	2,197.40	2,195.30	2,190.45	5.93	6.28	19.77	88.71	-99.44	79.76	67.57	12.19	6.542					
2,300.00	2,296.30	2,293.56	2,288.25	6.10	6.47	23.16	95.64	-105.90	75.58	63.03	12.55	6.022					
2,400.00	2,394.93	2,391.84	2,385.83	6.27	6.68	26.37	103.45	-114.71	72.21	59.29	12.92	5.588					
2,500.00	2,493.26	2,490.29	2,483.25	6.45	6.89	29.26	112.16	-125.89	69.57	56.28	13.29	5.234					
2,600.00	2,591.25	2,588.87	2,580.41	6.63	7.11	31.71	121.76	-139.43	67.58	53.91	13.67	4.943					
2,700.00	2,688.87	2,687.55	2,677.24	6.82	7.32	33.62	132.25	-155.34	66.16	52.10	14.05	4.708					
2,725.46	2,713.67	2,712.89	2,702.02	6.85	7.37	34.03	135.07	-159.78	65.85	51.72	14.13	4.660					
2,800.00	2,786.22	2,787.40	2,774.91	6.98	7.52	35.32	143.39	-172.85	64.87	50.46	14.41	4.502					
2,900.00	2,883.56	2,887.37	2,872.70	7.20	7.72	37.11	154.55	-190.38	63.60	48.78	14.82	4.291					
3,000.00	2,980.90	2,987.35	2,970.48	7.43	7.92	38.97	165.71	-207.92	62.40	47.15	15.25	4.092					
3,100.00	3,078.23	3,087.32	3,068.27	7.66	8.12	40.90	176.87	-225.46	61.27	45.59	15.68	3.907					
3,200.00	3,175.57	3,187.29	3,166.06	7.90	8.33	42.90	188.03	-242.99	60.21	44.08	16.13	3.734					
3,300.00	3,272.90	3,287.26	3,263.84	8.15	8.54	44.98	199.18	-260.53	59.22	42.64	16.58	3.572					
3,400.00	3,370.24	3,387.23	3,361.63	8.40	8.75	47.11	210.34	-278.07	58.32	41.28	17.04	3.422					
3,500.00	3,467.58	3,487.21	3,459.42	8.65	8.97	49.32	221.50	-295.60	57.50	39.98	17.51	3.283					
3,600.00	3,564.91	3,587.18	3,557.21	8.91	9.19	51.58	232.66	-313.14	56.76	38.76	18.00	3.154					
3,700.00	3,662.25	3,687.15	3,654.99	9.17	9.42	53.90	243.82	-330.68	56.12	37.63	18.49	3.035					
3,800.00	3,759.58	3,787.12	3,752.78	9.43	9.65	56.26	254.98	-348.21	55.57	36.57	19.00	2.925					
3,900.00	3,856.92	3,887.09	3,850.57	9.70	9.89	58.68	266.14	-365.75	55.12	35.61	19.51	2.825					
4,000.00	3,954.26	3,987.06	3,948.35	9.97	10.13	61.12	277.29	-383.29	54.76	34.74	20.03	2.734					
4,100.00	4,051.59	4,087.04	4,046.14	10.24	10.38	63.60	288.45	-400.82	54.51	33.95	20.56	2.652					
4,200.00	4,148.93	4,187.01	4,143.93	10.52	10.62	66.09	299.61	-418.36	54.36	33.27	21.09	2.577					
4,294.66	4,241.07	4,281.64	4,236.49	10.78	10.86	68.45	310.17	-434.96	54.32	32.71	21.60	2.514					
4,300.00	4,246.26	4,286.98	4,241.72	10.80	10.88	68.59	310.77	-435.90	54.32	32.68	21.63	2.511					
4,400.00	4,343.60	4,386.95	4,339.50	11.08	11.13	71.09	321.93	-453.43	54.37	32.20	22.18	2.452					
4,500.00	4,440.94	4,486.92	4,437.29	11.36	11.39	73.58	333.09	-470.97	54.53	31.81	22.73	2.400					
4,600.00	4,538.27	4,586.90	4,535.08	11.64	11.64	76.05	344.24	-488.51	54.80	31.52	23.28	2.354					
4,700.00	4,635.61	4,686.87	4,632.86	11.92	11.90	78.49	355.40	-506.04	55.16	31.34	23.82	2.315					
4,800.00	4,732.95	4,786.84	4,730.65	12.21	12.16	80.90	366.56	-523.58	55.62	31.25	24.37	2.282					
4,900.00	4,830.28	4,886.81	4,828.44	12.49	12.43	83.26	377.72	-541.12	56.18	31.26	24.92	2.255					

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 221H - OH - Plan 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)													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)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)						
5,000.00	4,927.62	4,986.78	4,926.23	12.78	12.69	85.57	388.88	-558.65	56.84	31.37	25.46	2.232		
5,100.00	5,024.95	5,086.75	5,024.01	13.07	12.95	87.83	400.04	-576.19	57.58	31.58	26.00	2.214		
5,200.00	5,122.29	5,186.73	5,121.80	13.36	13.22	90.03	411.20	-593.73	58.41	31.87	26.54	2.201		
5,300.00	5,219.63	5,286.70	5,219.59	13.65	13.49	92.16	422.35	-611.26	59.32	32.25	27.07	2.192		
5,400.00	5,316.96	5,386.67	5,317.37	13.95	13.75	94.22	433.51	-628.80	60.32	32.72	27.59	2.186	SF	
5,500.00	5,414.30	5,486.55	5,415.22	14.24	14.00	96.92	444.26	-645.70	61.44	33.36	28.08	2.188		
5,574.00	5,486.33	5,560.32	5,487.80	14.44	14.18	100.31	451.35	-656.83	62.56	34.19	28.37	2.205		
5,600.00	5,511.65	5,586.20	5,513.32	14.51	14.24	101.73	453.66	-660.46	63.05	34.60	28.46	2.216		
5,700.00	5,609.28	5,685.62	5,611.61	14.79	14.45	107.43	461.66	-673.03	65.37	36.62	28.75	2.274		
5,800.00	5,707.27	5,784.79	5,710.01	15.06	14.64	113.37	468.27	-683.42	68.53	39.58	28.94	2.368		
5,900.00	5,805.60	5,883.68	5,808.42	15.31	14.81	119.35	473.49	-691.63	72.67	43.61	29.06	2.501		
6,000.00	5,904.23	5,982.28	5,906.76	15.54	14.95	125.18	477.34	-697.67	77.91	48.80	29.11	2.677		
6,100.00	6,003.13	6,080.54	6,004.91	15.75	15.07	130.70	479.81	-701.56	84.32	55.19	29.13	2.894		
6,200.00	6,102.27	6,178.46	6,102.81	15.95	15.16	135.81	480.93	-703.32	91.91	62.77	29.14	3.154		
6,300.00	6,201.63	6,277.28	6,201.63	16.13	15.23	140.28	481.00	-703.43	100.25	71.10	29.15	3.439		
6,400.00	6,301.17	6,376.82	6,301.17	16.29	15.30	143.57	481.00	-703.43	107.80	78.57	29.23	3.688		
6,500.00	6,400.86	6,476.52	6,400.86	16.43	15.37	145.94	481.00	-703.43	114.21	84.86	29.36	3.891		
6,600.00	6,500.67	6,576.33	6,500.67	16.56	15.44	147.61	481.00	-703.43	119.31	89.81	29.51	4.044		
6,700.00	6,600.58	6,676.23	6,600.58	16.67	15.51	148.71	481.00	-703.43	123.01	93.34	29.67	4.145		
6,800.00	6,700.54	6,776.20	6,700.54	16.76	15.58	149.34	481.00	-703.43	125.25	95.40	29.85	4.196		
6,899.47	6,800.00	6,875.66	6,800.00	16.83	15.64	89.61	481.00	-703.43	125.99	95.99	30.00	4.199		
6,900.00	6,800.54	6,876.19	6,800.54	16.83	15.65	89.61	481.00	-703.43	125.99	95.99	30.00	4.199		
7,000.00	6,900.54	6,976.19	6,900.54	16.90	15.72	89.61	481.00	-703.43	125.99	95.86	30.14	4.181		
7,100.00	7,000.54	7,076.19	7,000.54	16.96	15.79	89.61	481.00	-703.43	125.99	95.72	30.27	4.162		
7,200.00	7,100.54	7,176.19	7,100.54	17.02	15.86	89.61	481.00	-703.43	125.99	95.59	30.40	4.144		
7,300.00	7,200.54	7,276.19	7,200.54	17.09	15.93	89.61	481.00	-703.43	125.99	95.46	30.54	4.126		
7,400.00	7,300.54	7,376.19	7,300.54	17.15	16.00	89.61	481.00	-703.43	125.99	95.32	30.67	4.108		
7,500.00	7,400.54	7,476.19	7,400.54	17.22	16.07	89.61	481.00	-703.43	125.99	95.19	30.81	4.090		
7,600.00	7,500.54	7,576.19	7,500.54	17.28	16.14	89.61	481.00	-703.43	125.99	95.05	30.94	4.072		
7,700.00	7,600.54	7,676.19	7,600.54	17.35	16.21	89.61	481.00	-703.43	125.99	94.92	31.08	4.054		
7,800.00	7,700.54	7,776.19	7,700.54	17.41	16.28	89.61	481.00	-703.43	125.99	94.78	31.21	4.037		
7,900.00	7,800.54	7,876.19	7,800.54	17.48	16.35	89.61	481.00	-703.43	125.99	94.65	31.35	4.019		
8,000.00	7,900.54	7,976.19	7,900.54	17.54	16.42	89.61	481.00	-703.43	125.99	94.51	31.48	4.002		
8,100.00	8,000.54	8,076.19	8,000.54	17.61	16.50	89.61	481.00	-703.43	125.99	94.37	31.62	3.985		
8,200.00	8,100.54	8,176.19	8,100.54	17.67	16.57	89.61	481.00	-703.43	125.99	94.24	31.76	3.968		
8,300.00	8,200.54	8,276.19	8,200.54	17.74	16.64	89.61	481.00	-703.43	125.99	94.10	31.89	3.951		
8,400.00	8,300.54	8,376.19	8,300.54	17.80	16.71	89.61	481.00	-703.43	125.99	93.96	32.03	3.934		
8,500.00	8,400.54	8,476.19	8,400.54	17.87	16.78	89.61	481.00	-703.43	125.99	93.83	32.17	3.917		
8,600.00	8,500.54	8,576.19	8,500.54	17.94	16.85	89.61	481.00	-703.43	125.99	93.69	32.30	3.900		
8,700.00	8,600.54	8,676.19	8,600.54	18.00	16.93	89.61	481.00	-703.43	125.99	93.55	32.44	3.884		
8,800.00	8,700.54	8,776.19	8,700.54	18.07	17.00	89.61	481.00	-703.43	125.99	93.41	32.58	3.867		
8,900.00	8,800.54	8,876.19	8,800.54	18.14	17.07	89.61	481.00	-703.43	125.99	93.28	32.72	3.851		
9,000.00	8,900.54	8,976.19	8,900.54	18.20	17.14	89.61	481.00	-703.43	125.99	93.14	32.85	3.835		
9,100.00	9,000.54	9,076.19	9,000.54	18.27	17.21	89.61	481.00	-703.43	125.99	93.00	32.99	3.819		
9,200.00	9,100.54	9,176.19	9,100.54	18.34	17.29	89.61	481.00	-703.43	125.99	92.86	33.13	3.803		
9,300.00	9,200.54	9,276.19	9,200.54	18.40	17.36	89.61	481.00	-703.43	125.99	92.72	33.27	3.787		
9,400.00	9,300.54	9,376.19	9,300.54	18.47	17.43	89.61	481.00	-703.43	125.99	92.58	33.41	3.771		
9,500.00	9,400.54	9,476.19	9,400.54	18.54	17.50	89.61	481.00	-703.43	125.99	92.44	33.55	3.755		
9,600.00	9,500.54	9,576.19	9,500.54	18.60	17.58	89.61	481.00	-703.43	125.99	92.30	33.69	3.740		
9,700.00	9,600.54	9,676.19	9,600.54	18.67	17.65	89.61	481.00	-703.43	125.99	92.16	33.83	3.724		
9,800.00	9,700.54	9,776.19	9,700.54	18.74	17.72	89.61	481.00	-703.43	125.99	92.02	33.97	3.709		
9,900.00	9,800.54	9,876.19	9,800.54	18.81	17.80	89.61	481.00	-703.43	125.99	91.88	34.11	3.694		

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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		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)
14,000.00	12,139.58	14,701.22	12,867.65	29.60	29.55	-175.99	-1,532.38	-761.06	729.88	670.02	59.86	12.193	
14,100.00	12,140.45	14,801.22	12,868.53	30.60	30.54	-175.99	-1,632.37	-760.20	729.89	669.68	60.21	12.122	
14,200.00	12,141.32	14,901.22	12,869.40	31.63	31.55	-175.99	-1,732.37	-759.34	729.89	669.32	60.57	12.050	
14,300.00	12,142.19	15,001.22	12,870.28	32.69	32.59	-175.99	-1,832.36	-758.48	729.90	668.95	60.95	11.975	
14,400.00	12,143.07	15,101.22	12,871.16	33.76	33.66	-175.99	-1,932.35	-757.62	729.91	668.57	61.34	11.900	
14,500.00	12,143.94	15,201.22	12,872.04	34.86	34.75	-175.99	-2,032.34	-756.76	729.91	668.18	61.74	11.823	
14,600.00	12,144.81	15,301.22	12,872.91	35.98	35.86	-175.99	-2,132.34	-755.90	729.92	667.78	62.15	11.745	
14,700.00	12,145.68	15,401.22	12,873.79	37.11	36.98	-175.99	-2,232.33	-755.04	729.93	667.36	62.57	11.666	
14,800.00	12,146.55	15,501.22	12,874.67	38.26	38.13	-175.99	-2,332.32	-754.18	729.93	666.94	63.00	11.587	
14,900.00	12,147.42	15,601.22	12,875.55	39.43	39.29	-175.99	-2,432.31	-753.32	729.94	666.50	63.44	11.506	
15,000.00	12,148.29	15,701.22	12,876.43	40.61	40.46	-175.99	-2,532.31	-752.46	729.95	666.05	63.89	11.425	
15,100.00	12,149.16	15,801.22	12,877.30	41.80	41.65	-175.99	-2,632.30	-751.60	729.95	665.60	64.36	11.342	
15,200.00	12,150.03	15,901.22	12,878.18	43.00	42.84	-175.99	-2,732.29	-750.74	729.96	665.13	64.83	11.260	
15,300.00	12,150.91	16,001.22	12,879.06	44.21	44.05	-175.99	-2,832.28	-749.88	729.97	664.66	65.31	11.177	
15,400.00	12,151.78	16,101.22	12,879.94	45.43	45.27	-175.99	-2,932.28	-749.02	729.97	664.17	65.80	11.093	
15,500.00	12,152.65	16,201.22	12,880.82	46.66	46.49	-175.99	-3,032.27	-748.16	729.98	663.68	66.30	11.010	
15,600.00	12,153.52	16,301.22	12,881.69	47.89	47.73	-175.99	-3,132.26	-747.30	729.99	663.17	66.81	10.926	
15,700.00	12,154.39	16,401.22	12,882.57	49.14	48.97	-175.99	-3,232.25	-746.44	729.99	662.66	67.33	10.841	
15,800.00	12,155.26	16,501.22	12,883.45	50.39	50.22	-175.99	-3,332.25	-745.58	730.00	662.14	67.86	10.757	
15,900.00	12,156.13	16,601.22	12,884.33	51.65	51.47	-175.99	-3,432.24	-744.72	730.01	661.61	68.40	10.673	
16,000.00	12,157.00	16,701.22	12,885.21	52.91	52.73	-175.99	-3,532.23	-743.86	730.02	661.07	68.94	10.589	
16,100.00	12,157.87	16,801.22	12,886.08	54.18	54.00	-175.99	-3,632.22	-743.00	730.02	660.53	69.49	10.505	
16,200.00	12,158.75	16,901.22	12,886.96	55.45	55.27	-175.99	-3,732.22	-742.14	730.03	659.97	70.05	10.421	
16,300.00	12,159.62	17,001.22	12,887.84	56.73	56.54	-175.99	-3,832.21	-741.28	730.04	659.41	70.62	10.337	
16,400.00	12,160.49	17,101.22	12,888.72	58.01	57.82	-175.99	-3,932.20	-740.41	730.04	658.84	71.20	10.254	
16,500.00	12,161.36	17,201.22	12,889.59	59.29	59.11	-175.99	-4,032.19	-739.55	730.05	658.27	71.78	10.170	
16,600.00	12,162.23	17,301.22	12,890.47	60.58	60.40	-175.99	-4,132.19	-738.69	730.06	657.68	72.37	10.088	
16,700.00	12,163.10	17,401.22	12,891.35	61.88	61.69	-175.99	-4,232.18	-737.83	730.06	657.09	72.97	10.005	
16,800.00	12,163.97	17,501.22	12,892.23	63.17	62.98	-175.99	-4,332.17	-736.97	730.07	656.50	73.57	9.923	
16,900.00	12,164.84	17,601.22	12,893.11	64.47	64.28	-175.99	-4,432.16	-736.11	730.08	655.89	74.18	9.842	
17,000.00	12,165.71	17,701.22	12,893.98	65.77	65.58	-175.99	-4,532.16	-735.25	730.08	655.28	74.80	9.760	
17,100.00	12,166.59	17,801.22	12,894.86	67.08	66.89	-175.99	-4,632.15	-734.39	730.09	654.67	75.42	9.680	
17,200.00	12,167.46	17,901.22	12,895.74	68.39	68.19	-175.99	-4,732.14	-733.53	730.10	654.04	76.05	9.600	
17,300.00	12,168.33	18,001.22	12,896.62	69.70	69.50	-175.99	-4,832.13	-732.67	730.10	653.41	76.69	9.520	
17,400.00	12,169.20	18,101.22	12,897.50	71.01	70.82	-175.99	-4,932.13	-731.81	730.11	652.78	77.33	9.442	
17,500.00	12,170.07	18,201.22	12,898.37	72.32	72.13	-175.99	-5,032.12	-730.95	730.12	652.14	77.98	9.363	
17,600.00	12,170.94	18,301.22	12,899.25	73.64	73.44	-175.99	-5,132.11	-730.09	730.12	651.49	78.63	9.286	
17,700.00	12,171.81	18,401.22	12,900.13	74.96	74.76	-175.99	-5,232.10	-729.23	730.13	650.84	79.29	9.209	
17,800.00	12,172.68	18,501.22	12,901.01	76.28	76.08	-175.99	-5,332.10	-728.37	730.14	650.19	79.95	9.132	
17,900.00	12,173.56	18,601.22	12,901.89	77.60	77.40	-175.99	-5,432.09	-727.51	730.14	649.52	80.62	9.057	
18,000.00	12,174.43	18,701.22	12,902.76	78.92	78.73	-175.99	-5,532.08	-726.65	730.15	648.86	81.29	8.982	
18,100.00	12,175.30	18,801.22	12,903.64	80.25	80.05	-175.99	-5,632.07	-725.79	730.16	648.18	81.97	8.907	
18,200.00	12,176.17	18,901.22	12,904.52	81.58	81.38	-175.99	-5,732.07	-724.93	730.16	647.51	82.65	8.834	
18,300.00	12,177.04	19,001.22	12,905.40	82.91	82.71	-175.99	-5,832.06	-724.07	730.17	646.83	83.34	8.761	
18,400.00	12,177.91	19,101.22	12,906.27	84.23	84.04	-175.99	-5,932.05	-723.21	730.18	646.14	84.04	8.689	
18,500.00	12,178.78	19,201.22	12,907.15	85.57	85.37	-175.99	-6,032.04	-722.35	730.18	645.45	84.73	8.618	
18,600.00	12,179.65	19,301.22	12,908.03	86.90	86.70	-175.99	-6,132.04	-721.49	730.19	644.76	85.43	8.547	
18,700.00	12,180.52	19,401.22	12,908.91	88.23	88.03	-175.99	-6,232.03	-720.63	730.20	644.06	86.14	8.477	
18,800.00	12,181.40	19,501.22	12,909.79	89.57	89.37	-175.99	-6,332.02	-719.77	730.20	643.35	86.85	8.408	
18,900.00	12,182.27	19,601.22	12,910.66	90.90	90.70	-175.99	-6,432.01	-718.91	730.21	642.65	87.56	8.339	
19,000.00	12,183.14	19,701.22	12,911.54	92.24	92.04	-175.99	-6,532.00	-718.05	730.22	641.94	88.28	8.272	
19,100.00	12,184.01	19,801.22	12,912.42	93.57	93.37	-175.99	-6,632.00	-717.19	730.22	641.22	89.00	8.205	

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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:			
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)					
19,200.00	12,184.88	19,901.22	12,913.30	94.91	94.71	-175.99	-6,731.99	-716.33	730.23	640.50	89.73	8.138			
19,300.00	12,185.75	20,001.22	12,914.18	96.25	96.05	-175.99	-6,831.98	-715.46	730.24	639.78	90.46	8.073			
19,400.00	12,186.62	20,101.22	12,915.05	97.59	97.39	-175.99	-6,931.97	-714.60	730.24	639.05	91.19	8.008			
19,500.00	12,187.49	20,201.22	12,915.93	98.93	98.73	-175.99	-7,031.97	-713.74	730.25	638.33	91.93	7.944			
19,600.00	12,188.36	20,301.22	12,916.81	100.28	100.07	-175.99	-7,131.96	-712.88	730.26	637.59	92.66	7.881			
19,700.00	12,189.24	20,401.22	12,917.69	101.62	101.42	-175.99	-7,231.95	-712.02	730.26	636.86	93.41	7.818			
19,800.00	12,190.11	20,501.22	12,918.57	102.96	102.76	-175.99	-7,331.94	-711.16	730.27	636.12	94.15	7.756			
19,900.00	12,190.98	20,601.22	12,919.44	104.30	104.10	-175.99	-7,431.94	-710.30	730.28	635.37	94.90	7.695			
20,000.00	12,191.85	20,701.22	12,920.32	105.65	105.45	-175.99	-7,531.93	-709.44	730.28	634.63	95.65	7.635			
20,100.00	12,192.72	20,801.22	12,921.20	106.99	106.79	-175.99	-7,631.92	-708.58	730.29	633.88	96.41	7.575			
20,200.00	12,193.59	20,901.22	12,922.08	108.34	108.14	-175.99	-7,731.91	-707.72	730.30	633.13	97.17	7.516			
20,300.00	12,194.46	21,001.22	12,922.95	109.69	109.48	-176.00	-7,831.91	-706.86	730.30	632.37	97.93	7.457			
20,400.00	12,195.33	21,101.22	12,923.83	111.03	110.83	-176.00	-7,931.90	-706.00	730.31	631.62	98.69	7.400			
20,500.00	12,196.20	21,201.22	12,924.71	112.38	112.18	-176.00	-8,031.89	-705.14	730.32	630.86	99.46	7.343			
20,600.00	12,197.08	21,301.22	12,925.59	113.73	113.53	-176.00	-8,131.88	-704.28	730.32	630.09	100.23	7.287			
20,700.00	12,197.95	21,401.22	12,926.47	115.08	114.87	-176.00	-8,231.88	-703.42	730.33	629.33	101.00	7.231			
20,800.00	12,198.82	21,501.22	12,927.34	116.43	116.22	-176.00	-8,331.87	-702.56	730.34	628.56	101.78	7.176			
20,900.00	12,199.69	21,601.22	12,928.22	117.78	117.57	-176.00	-8,431.86	-701.70	730.34	627.79	102.55	7.122			
21,000.00	12,200.56	21,701.22	12,929.10	119.13	118.92	-176.00	-8,531.85	-700.84	730.35	627.02	103.33	7.068			
21,100.00	12,201.43	21,801.22	12,929.98	120.48	120.27	-176.00	-8,631.85	-699.98	730.36	626.24	104.11	7.015			
21,200.00	12,202.30	21,901.22	12,930.86	121.83	121.62	-176.00	-8,731.84	-699.12	730.36	625.47	104.90	6.963			
21,300.00	12,203.17	22,001.22	12,931.73	123.18	122.98	-176.00	-8,831.83	-698.26	730.37	624.69	105.69	6.911			
21,400.00	12,204.04	22,101.22	12,932.61	124.53	124.33	-176.00	-8,931.82	-697.40	730.38	623.90	106.47	6.860			
21,500.00	12,204.92	22,201.22	12,933.49	125.88	125.68	-176.00	-9,031.82	-696.54	730.38	623.12	107.27	6.809			
21,600.00	12,205.79	22,301.22	12,934.37	127.24	127.03	-176.00	-9,131.81	-695.68	730.39	622.33	108.06	6.759			
21,700.00	12,206.66	22,401.22	12,935.25	128.59	128.39	-176.00	-9,231.80	-694.82	730.40	621.54	108.85	6.710			
21,800.00	12,207.53	22,501.22	12,936.12	129.94	129.74	-176.00	-9,331.79	-693.96	730.40	620.75	109.65	6.661			
21,900.00	12,208.40	22,601.22	12,937.00	131.30	131.09	-176.00	-9,431.79	-693.10	730.41	619.96	110.45	6.613			
22,000.00	12,209.27	22,701.22	12,937.88	132.65	132.45	-176.00	-9,531.78	-692.24	730.42	619.17	111.25	6.565			
22,100.00	12,210.14	22,801.22	12,938.76	134.01	133.80	-176.00	-9,631.77	-691.37	730.42	618.37	112.05	6.518			
22,200.00	12,211.01	22,901.22	12,939.63	135.36	135.16	-176.00	-9,731.76	-690.51	730.43	617.57	112.86	6.472			
22,300.00	12,211.88	23,001.22	12,940.51	136.71	136.51	-176.00	-9,831.76	-689.65	730.44	616.77	113.67	6.426			
22,400.00	12,212.76	23,101.22	12,941.39	138.07	137.86	-176.00	-9,931.75	-688.79	730.44	615.97	114.47	6.381			
22,485.42	12,213.50	23,186.64	12,942.14	139.23	138.92	-176.00	-10,017.16	-688.06	730.45	615.45	115.00	6.352			
22,485.80	12,213.50	23,187.01	12,942.14	139.26	138.92	-176.00	-10,017.54	-688.06	730.45	615.45	115.00	6.352			

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)			
0.00	0.00	0.00	0.00	0.50	0.50	0.50	0.50	-7.70	185.00	-25.00	186.68	186.68			
100.00	100.00	99.00	99.00	0.98	0.97	0.98	0.97	-7.70	185.00	-25.00	186.68	184.73	1.95	95.493	
200.00	200.00	199.00	199.00	1.56	1.56	1.56	1.56	-7.70	185.00	-25.00	186.68	183.57	3.12	59.906	
300.00	300.00	299.00	299.00	1.98	1.98	1.98	1.98	-7.70	185.00	-25.00	186.68	182.72	3.96	47.165	
400.00	400.00	399.00	399.00	2.33	2.33	2.33	2.33	-7.70	185.00	-25.00	186.68	182.03	4.66	40.101	
500.00	500.00	499.00	499.00	2.63	2.63	2.63	2.63	-7.70	185.00	-25.00	186.68	181.42	5.27	35.451	
600.00	600.00	599.00	599.00	2.91	2.91	2.91	2.91	-7.70	185.00	-25.00	186.68	180.86	5.82	32.090	
700.00	700.00	699.00	699.00	3.16	3.16	3.16	3.16	-7.70	185.00	-25.00	186.68	180.36	6.33	29.515	
800.00	800.00	799.00	799.00	3.40	3.40	3.40	3.40	-7.70	185.00	-25.00	186.68	179.88	6.80	27.458	
900.00	900.00	899.00	899.00	3.62	3.62	3.62	3.62	-7.70	185.00	-25.00	186.68	179.44	7.25	25.766	
1,000.00	1,000.00	999.00	999.00	3.84	3.83	3.84	3.83	-7.70	185.00	-25.00	186.68	179.01	7.67	24.341	
1,100.00	1,100.00	1,099.00	1,099.00	4.04	4.04	4.04	4.04	-7.70	185.00	-25.00	186.68	178.61	8.07	23.120	
1,200.00	1,200.00	1,199.00	1,199.00	4.23	4.23	4.23	4.23	-7.70	185.00	-25.00	186.68	178.22	8.46	22.058	
1,300.00	1,300.00	1,299.00	1,299.00	4.42	4.42	4.42	4.42	-7.70	185.00	-25.00	186.68	177.84	8.84	21.123	
1,400.00	1,400.00	1,399.00	1,399.00	4.60	4.60	4.60	4.60	-7.70	185.00	-25.00	186.68	177.48	9.20	20.291	
1,500.00	1,499.99	1,498.99	1,498.99	4.77	4.78	4.77	4.78	52.45	185.00	-25.00	186.15	176.60	9.55	19.498	
1,600.00	1,599.96	1,598.92	1,598.91	4.94	4.98	4.94	4.98	53.51	185.16	-23.73	184.57	174.70	9.87	18.696	
1,700.00	1,699.86	1,698.48	1,698.39	5.10	5.17	5.10	5.17	55.84	185.63	-19.88	182.17	171.98	10.18	17.888	
1,800.00	1,799.68	1,797.38	1,797.08	5.26	5.35	5.26	5.35	59.51	186.41	-13.52	179.43	168.94	10.49	17.102	
1,900.00	1,899.37	1,895.95	1,895.29	5.43	5.44	5.43	5.44	64.38	187.44	-5.16	177.07	166.34	10.73	16.502	
2,000.00	1,998.90	1,994.45	1,993.41	5.59	5.59	5.59	5.59	69.91	188.48	3.36	175.49	164.45	11.04	15.898	
2,071.21	2,069.67	2,064.40	2,063.10	5.71	5.69	5.71	5.69	74.19	189.23	9.42	175.11	163.85	11.26	15.549	CC
2,100.00	2,098.26	2,092.64	2,091.23	5.76	5.74	5.76	5.74	75.99	189.53	11.86	175.18	163.83	11.35	15.432	ES
2,200.00	2,197.40	2,190.50	2,188.71	5.93	5.89	5.93	5.89	82.52	190.57	20.32	176.67	164.99	11.67	15.135	
2,300.00	2,296.30	2,284.30	2,282.09	6.10	6.05	6.10	6.05	89.18	192.14	29.11	181.35	169.36	11.99	15.125	
2,400.00	2,394.93	2,376.60	2,373.76	6.27	6.22	6.27	6.22	95.92	195.14	39.44	191.16	178.84	12.32	15.517	
2,500.00	2,493.26	2,467.69	2,463.97	6.45	6.39	6.45	6.39	102.34	199.52	51.28	206.44	193.78	12.66	16.312	
2,600.00	2,591.25	2,557.41	2,552.52	6.63	6.56	6.63	6.56	108.12	205.21	64.53	227.19	214.19	12.99	17.484	
2,700.00	2,688.87	2,645.63	2,639.26	6.82	6.73	6.82	6.73	113.12	212.13	79.09	253.12	239.79	13.33	18.984	
2,725.46	2,713.67	2,667.84	2,661.03	6.85	6.78	6.85	6.78	114.26	214.08	82.99	260.51	247.11	13.40	19.440	
2,800.00	2,786.22	2,734.56	2,726.32	6.98	6.90	6.98	6.90	117.56	220.35	95.20	283.52	269.88	13.64	20.793	
2,900.00	2,883.56	2,827.20	2,816.94	7.20	7.05	7.20	7.05	121.38	229.19	112.30	315.86	301.86	13.99	22.573	
3,000.00	2,980.90	2,919.85	2,907.56	7.43	7.21	7.43	7.21	124.50	238.04	129.40	349.26	334.90	14.35	24.333	
3,100.00	3,078.23	3,012.49	2,998.18	7.66	7.37	7.66	7.37	127.09	246.89	146.51	383.45	368.73	14.72	26.056	
3,200.00	3,175.57	3,105.13	3,088.80	7.90	7.54	7.90	7.54	129.26	255.73	163.61	418.23	403.15	15.08	27.731	
3,300.00	3,272.90	3,197.78	3,179.43	8.15	7.70	8.15	7.70	131.11	264.58	180.72	453.47	438.02	15.45	29.350	
3,400.00	3,370.24	3,290.42	3,270.05	8.40	7.87	8.40	7.87	132.69	273.42	197.82	489.07	473.25	15.82	30.911	
3,500.00	3,467.58	3,383.07	3,360.67	8.65	8.03	8.65	8.03	134.05	282.27	214.92	524.95	508.76	16.20	32.411	
3,600.00	3,564.91	3,475.71	3,451.29	8.91	8.23	8.91	8.23	135.25	291.11	232.03	561.07	544.49	16.58	33.848	
3,700.00	3,662.25	3,568.35	3,541.91	9.17	8.45	9.17	8.45	136.30	299.96	249.13	597.37	580.42	16.96	35.231	
3,800.00	3,759.58	3,661.00	3,632.53	9.43	8.66	9.43	8.66	137.23	308.81	266.24	633.83	616.49	17.34	36.553	
3,900.00	3,856.92	3,753.64	3,723.15	9.70	8.88	9.70	8.88	138.06	317.65	283.34	670.42	652.70	17.73	37.820	
4,000.00	3,954.26	3,846.28	3,813.77	9.97	9.10	9.97	9.10	138.81	326.50	300.45	707.13	689.01	18.12	39.033	
4,100.00	4,051.59	3,938.93	3,904.39	10.24	9.32	10.24	9.32	139.48	335.34	317.55	743.92	725.41	18.51	40.194	
4,200.00	4,148.93	4,031.57	3,995.01	10.52	9.54	10.52	9.54	140.09	344.19	334.65	780.80	761.90	18.90	41.305	
4,300.00	4,246.26	4,124.22	4,085.63	10.80	9.77	10.80	9.77	140.65	353.04	351.76	817.75	798.45	19.30	42.369	
4,400.00	4,343.60	4,216.86	4,176.25	11.08	10.00	11.08	10.00	141.16	361.88	368.86	854.76	835.06	19.70	43.389	
4,500.00	4,440.94	4,309.50	4,266.87	11.36	10.23	11.36	10.23	141.62	370.73	385.97	891.82	871.72	20.10	44.366	
4,600.00	4,538.27	4,402.15	4,357.49	11.64	10.46	11.64	10.46	142.05	379.57	403.07	928.93	908.42	20.51	45.302	
4,700.00	4,635.61	4,494.79	4,448.11	11.92	10.69	11.92	10.69	142.44	388.42	420.17	966.08	945.16	20.91	46.200	
4,800.00	4,732.95	4,587.43	4,538.73	12.21	10.92	12.21	10.92	142.81	397.26	437.28	1,003.26	981.94	21.32	47.060	
4,900.00	4,830.28	4,680.08	4,629.35	12.49	11.16	12.49	11.16	143.15	406.11	454.38	1,040.48	1,018.75	21.73	47.886	

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
5,000.00	4,927.62	4,772.72	4,719.97	12.78	11.39	143.47	414.96	471.49	1,077.73	1,055.59	22.14	48.679		
5,100.00	5,024.95	4,865.36	4,810.59	13.07	11.63	143.76	423.80	488.59	1,115.01	1,092.46	22.55	49.441		
5,200.00	5,122.29	4,958.01	4,901.21	13.36	11.87	144.04	432.65	505.69	1,152.31	1,129.34	22.97	50.173		
5,300.00	5,219.63	5,050.65	4,991.83	13.65	12.11	144.30	441.49	522.80	1,189.63	1,166.25	23.38	50.876		
5,400.00	5,316.96	5,143.30	5,082.45	13.95	12.33	144.54	450.34	539.90	1,226.97	1,203.18	23.79	51.583		
5,500.00	5,414.30	5,270.06	5,206.78	14.24	12.63	144.89	461.69	561.85	1,263.27	1,238.93	24.33	51.916		
5,574.00	5,486.33	5,370.09	5,305.41	14.44	12.85	145.20	469.32	576.60	1,288.24	1,263.49	24.75	52.041		
5,600.00	5,511.65	5,405.62	5,340.56	14.51	12.93	145.36	471.74	581.29	1,296.58	1,271.68	24.89	52.083		
5,700.00	5,609.28	5,544.41	5,478.24	14.79	13.19	145.98	479.76	596.80	1,325.82	1,300.37	25.45	52.101		
5,800.00	5,707.27	5,686.20	5,619.45	15.06	13.41	146.59	485.58	608.05	1,350.50	1,324.54	25.97	52.012		
5,900.00	5,805.60	5,830.47	5,763.51	15.31	13.59	147.18	489.03	614.71	1,370.50	1,344.06	26.44	51.841		
6,000.00	5,904.23	5,970.20	5,903.23	15.54	13.69	147.75	489.99	616.57	1,385.75	1,358.96	26.79	51.720		
6,100.00	6,003.13	6,069.10	6,002.13	15.75	13.76	148.14	489.99	616.57	1,398.31	1,371.26	27.04	51.705		
6,200.00	6,102.27	6,168.25	6,101.27	15.95	13.83	148.47	489.99	616.57	1,409.43	1,382.13	27.30	51.629		
6,300.00	6,201.63	6,267.61	6,200.63	16.13	13.90	148.76	489.99	616.57	1,419.10	1,391.56	27.55	51.516		
6,400.00	6,301.17	6,367.15	6,300.17	16.29	13.97	149.00	489.99	616.57	1,427.31	1,399.52	27.79	51.365		
6,500.00	6,400.86	6,466.84	6,399.86	16.43	14.05	149.20	489.99	616.57	1,434.04	1,406.02	28.02	51.179		
6,600.00	6,500.67	6,566.65	6,499.67	16.56	14.12	149.35	489.99	616.57	1,439.28	1,411.04	28.24	50.960		
6,700.00	6,600.58	6,666.55	6,599.58	16.67	14.19	149.46	489.99	616.57	1,443.03	1,414.57	28.46	50.708		
6,800.00	6,700.54	6,766.52	6,699.54	16.76	14.27	149.52	489.99	616.57	1,445.28	1,416.62	28.66	50.430		
6,899.47	6,800.00	6,865.98	6,799.00	16.83	14.34	89.61	489.99	616.57	1,446.02	1,417.20	28.82	50.168		
6,900.00	6,800.54	6,866.51	6,799.54	16.83	14.34	89.61	489.99	616.57	1,446.02	1,417.20	28.82	50.167		
7,000.00	6,900.54	6,966.51	6,899.54	16.90	14.41	89.61	489.99	616.57	1,446.02	1,417.06	28.86	49.929		
7,100.00	7,000.54	7,066.51	6,999.54	16.96	14.49	89.61	489.99	616.57	1,446.02	1,416.92	29.10	49.693		
7,200.00	7,100.54	7,166.51	7,099.54	17.02	14.56	89.61	489.99	616.57	1,446.02	1,416.79	29.24	49.459		
7,300.00	7,200.54	7,266.51	7,199.54	17.09	14.64	89.61	489.99	616.57	1,446.02	1,416.65	29.37	49.226		
7,400.00	7,300.54	7,366.51	7,299.54	17.15	14.71	89.61	489.99	616.57	1,446.02	1,416.51	29.51	48.996		
7,500.00	7,400.54	7,466.51	7,399.54	17.22	14.78	89.61	489.99	616.57	1,446.02	1,416.37	29.65	48.767		
7,600.00	7,500.54	7,566.51	7,499.54	17.28	14.86	89.61	489.99	616.57	1,446.02	1,416.23	29.79	48.540		
7,700.00	7,600.54	7,666.51	7,599.54	17.35	14.93	89.61	489.99	616.57	1,446.02	1,416.09	29.93	48.315		
7,800.00	7,700.54	7,766.51	7,699.54	17.41	15.01	89.61	489.99	616.57	1,446.02	1,415.95	30.07	48.091		
7,900.00	7,800.54	7,866.51	7,799.54	17.48	15.08	89.61	489.99	616.57	1,446.02	1,415.82	30.21	47.869		
8,000.00	7,900.54	7,966.51	7,899.54	17.54	15.16	89.61	489.99	616.57	1,446.02	1,415.68	30.35	47.649		
8,100.00	8,000.54	8,066.51	7,999.54	17.61	15.23	89.61	489.99	616.57	1,446.02	1,415.54	30.49	47.430		
8,200.00	8,100.54	8,166.51	8,099.54	17.67	15.31	89.61	489.99	616.57	1,446.02	1,415.40	30.63	47.213		
8,300.00	8,200.54	8,266.51	8,199.54	17.74	15.38	89.61	489.99	616.57	1,446.02	1,415.26	30.77	46.998		
8,400.00	8,300.54	8,366.51	8,299.54	17.80	15.46	89.61	489.99	616.57	1,446.02	1,415.11	30.91	46.784		
8,500.00	8,400.54	8,466.51	8,399.54	17.87	15.53	89.61	489.99	616.57	1,446.02	1,414.97	31.05	46.572		
8,600.00	8,500.54	8,566.51	8,499.54	17.94	15.61	89.61	489.99	616.57	1,446.02	1,414.83	31.19	46.361		
8,700.00	8,600.54	8,666.51	8,599.54	18.00	15.68	89.61	489.99	616.57	1,446.02	1,414.69	31.33	46.152		
8,800.00	8,700.54	8,766.51	8,699.54	18.07	15.76	89.61	489.99	616.57	1,446.02	1,414.55	31.47	45.945		
8,900.00	8,800.54	8,866.51	8,799.54	18.14	15.83	89.61	489.99	616.57	1,446.02	1,414.41	31.61	45.739		
9,000.00	8,900.54	8,966.51	8,899.54	18.20	15.91	89.61	489.99	616.57	1,446.02	1,414.27	31.76	45.535		
9,100.00	9,000.54	9,066.51	8,999.54	18.27	15.98	89.61	489.99	616.57	1,446.02	1,414.13	31.90	45.332		
9,200.00	9,100.54	9,166.51	9,099.54	18.34	16.06	89.61	489.99	616.57	1,446.02	1,413.98	32.04	45.131		
9,300.00	9,200.54	9,266.51	9,199.54	18.40	16.13	89.61	489.99	616.57	1,446.02	1,413.84	32.18	44.931		
9,400.00	9,300.54	9,366.51	9,299.54	18.47	16.21	89.61	489.99	616.57	1,446.02	1,413.70	32.33	44.733		
9,500.00	9,400.54	9,466.51	9,399.54	18.54	16.28	89.61	489.99	616.57	1,446.02	1,413.55	32.47	44.536		
9,600.00	9,500.54	9,566.51	9,499.54	18.60	16.36	89.61	489.99	616.57	1,446.02	1,413.41	32.61	44.341		
9,700.00	9,600.54	9,666.51	9,599.54	18.67	16.44	89.61	489.99	616.57	1,446.02	1,413.27	32.75	44.147		
9,800.00	9,700.54	9,766.51	9,699.54	18.74	16.51	89.61	489.99	616.57	1,446.02	1,413.13	32.90	43.955		
9,900.00	9,800.54	9,866.51	9,799.54	18.81	16.59	89.61	489.99	616.57	1,446.02	1,412.98	33.04	43.764		

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
14,000.00	12,139.58	14,693.20	12,870.50	29.60	30.00	-118.10	-1,521.06	558.92	1,554.21	1,496.75	57.45	27.051			
14,100.00	12,140.45	14,793.20	12,871.37	30.60	31.08	-118.10	-1,621.05	559.78	1,554.21	1,494.97	59.23	26.238			
14,200.00	12,141.32	14,893.20	12,872.24	31.63	32.18	-118.10	-1,721.04	560.64	1,554.20	1,493.14	61.06	25.453			
14,300.00	12,142.19	14,993.20	12,873.10	32.69	33.30	-118.10	-1,821.04	561.50	1,554.20	1,491.27	62.93	24.697			
14,400.00	12,143.07	15,093.20	12,873.97	33.76	34.44	-118.10	-1,921.03	562.36	1,554.20	1,489.36	64.84	23.970			
14,500.00	12,143.94	15,193.20	12,874.84	34.86	35.60	-118.10	-2,021.02	563.22	1,554.20	1,487.42	66.78	23.273			
14,600.00	12,144.81	15,293.20	12,875.71	35.98	36.77	-118.10	-2,121.01	564.08	1,554.20	1,485.44	68.76	22.604			
14,700.00	12,145.68	15,393.20	12,876.58	37.11	37.96	-118.09	-2,221.01	564.95	1,554.20	1,483.43	70.77	21.963			
14,800.00	12,146.55	15,493.20	12,877.44	38.26	39.16	-118.09	-2,321.00	565.81	1,554.20	1,481.40	72.80	21.349			
14,900.00	12,147.42	15,593.20	12,878.31	39.43	40.36	-118.09	-2,420.99	566.67	1,554.19	1,479.34	74.86	20.762			
15,000.00	12,148.29	15,693.20	12,879.18	40.61	41.58	-118.09	-2,520.98	567.53	1,554.19	1,477.25	76.94	20.200			
15,100.00	12,149.16	15,793.20	12,880.05	41.80	42.81	-118.09	-2,620.98	568.39	1,554.19	1,475.15	79.04	19.662			
15,200.00	12,150.03	15,893.20	12,880.92	43.00	44.05	-118.09	-2,720.97	569.25	1,554.19	1,473.02	81.17	19.148			
15,300.00	12,150.91	15,993.20	12,881.78	44.21	45.29	-118.09	-2,820.96	570.11	1,554.19	1,470.88	83.31	18.656			
15,400.00	12,151.78	16,093.20	12,882.65	45.43	46.55	-118.09	-2,920.95	570.97	1,554.19	1,468.72	85.47	18.185			
15,500.00	12,152.65	16,193.20	12,883.52	46.66	47.80	-118.09	-3,020.95	571.83	1,554.18	1,466.55	87.64	17.734			
15,600.00	12,153.52	16,293.20	12,884.39	47.89	49.07	-118.09	-3,120.94	572.69	1,554.18	1,464.36	89.83	17.302			
15,700.00	12,154.39	16,393.20	12,885.26	49.14	50.34	-118.09	-3,220.93	573.55	1,554.18	1,462.15	92.03	16.888			
15,800.00	12,155.26	16,493.20	12,886.12	50.39	51.61	-118.09	-3,320.92	574.41	1,554.18	1,459.94	94.24	16.491			
15,900.00	12,156.13	16,593.20	12,886.99	51.65	52.89	-118.09	-3,420.92	575.27	1,554.18	1,457.71	96.47	16.111			
16,000.00	12,157.00	16,693.20	12,887.86	52.91	54.18	-118.09	-3,520.91	576.13	1,554.18	1,455.47	98.70	15.746			
16,100.00	12,157.87	16,793.20	12,888.73	54.18	55.47	-118.09	-3,620.90	577.00	1,554.18	1,453.22	100.95	15.395			
16,200.00	12,158.75	16,893.20	12,889.60	55.45	56.76	-118.09	-3,720.89	577.86	1,554.17	1,450.97	103.21	15.059			
16,300.00	12,159.62	16,993.20	12,890.46	56.73	58.06	-118.09	-3,820.89	578.72	1,554.17	1,448.70	105.47	14.735			
16,400.00	12,160.49	17,093.20	12,891.33	58.01	59.36	-118.09	-3,920.88	579.58	1,554.17	1,446.43	107.74	14.425			
16,500.00	12,161.36	17,193.20	12,892.20	59.29	60.66	-118.09	-4,020.87	580.44	1,554.17	1,444.14	110.03	14.126			
16,600.00	12,162.23	17,293.20	12,893.07	60.58	61.96	-118.09	-4,120.86	581.30	1,554.17	1,441.85	112.31	13.838			
16,700.00	12,163.10	17,393.20	12,893.94	61.88	63.27	-118.09	-4,220.86	582.16	1,554.17	1,439.56	114.61	13.561			
16,800.00	12,163.97	17,493.20	12,894.80	63.17	64.58	-118.09	-4,320.85	583.02	1,554.17	1,437.26	116.91	13.294			
16,900.00	12,164.84	17,593.20	12,895.67	64.47	65.90	-118.09	-4,420.84	583.88	1,554.16	1,434.95	119.22	13.036			
17,000.00	12,165.71	17,693.20	12,896.54	65.77	67.21	-118.09	-4,520.83	584.74	1,554.16	1,432.63	121.53	12.788			
17,100.00	12,166.59	17,793.20	12,897.41	67.08	68.53	-118.09	-4,620.83	585.60	1,554.16	1,430.31	123.85	12.549			
17,200.00	12,167.46	17,893.20	12,898.28	68.39	69.85	-118.09	-4,720.82	586.46	1,554.16	1,427.99	126.17	12.318			
17,300.00	12,168.33	17,993.20	12,899.14	69.70	71.17	-118.09	-4,820.81	587.32	1,554.16	1,425.66	128.50	12.094			
17,400.00	12,169.20	18,093.20	12,900.01	71.01	72.49	-118.09	-4,920.80	588.18	1,554.16	1,423.32	130.83	11.879			
17,500.00	12,170.07	18,193.20	12,900.88	72.32	73.82	-118.09	-5,020.80	589.05	1,554.16	1,420.98	133.17	11.670			
17,600.00	12,170.94	18,293.20	12,901.75	73.64	75.15	-118.09	-5,120.79	589.91	1,554.15	1,418.64	135.51	11.469			
17,700.00	12,171.81	18,393.20	12,902.62	74.96	76.47	-118.09	-5,220.78	590.77	1,554.15	1,416.29	137.86	11.273			
17,800.00	12,172.68	18,493.20	12,903.48	76.28	77.80	-118.09	-5,320.77	591.63	1,554.15	1,413.94	140.21	11.085			
17,900.00	12,173.56	18,593.20	12,904.35	77.60	79.14	-118.09	-5,420.77	592.49	1,554.15	1,411.59	142.56	10.902			
18,000.00	12,174.43	18,693.20	12,905.22	78.92	80.47	-118.09	-5,520.76	593.35	1,554.15	1,409.23	144.92	10.724			
18,100.00	12,175.30	18,793.20	12,906.09	80.25	81.80	-118.09	-5,620.75	594.21	1,554.15	1,406.87	147.28	10.553			
18,200.00	12,176.17	18,893.20	12,906.96	81.58	83.14	-118.09	-5,720.74	595.07	1,554.14	1,404.51	149.64	10.386			
18,300.00	12,177.04	18,993.20	12,907.82	82.91	84.47	-118.09	-5,820.74	595.93	1,554.14	1,402.14	152.00	10.224			
18,400.00	12,177.91	19,093.20	12,908.69	84.23	85.81	-118.09	-5,920.73	596.79	1,554.14	1,399.77	154.37	10.067			
18,500.00	12,178.78	19,193.20	12,909.56	85.57	87.15	-118.09	-6,020.72	597.65	1,554.14	1,397.40	156.74	9.915			
18,600.00	12,179.65	19,293.20	12,910.43	86.90	88.49	-118.09	-6,120.71	598.51	1,554.14	1,395.02	159.12	9.767			
18,700.00	12,180.52	19,393.20	12,911.30	88.23	89.83	-118.09	-6,220.71	599.37	1,554.14	1,392.65	161.49	9.624			
18,800.00	12,181.40	19,493.20	12,912.16	89.57	91.17	-118.09	-6,320.70	600.23	1,554.14	1,390.27	163.87	9.484			
18,900.00	12,182.27	19,593.20	12,913.03	90.90	92.51	-118.09	-6,420.69	601.10	1,554.13	1,387.88	166.25	9.348			
19,000.00	12,183.14	19,693.20	12,913.90	92.24	93.85	-118.09	-6,520.69	601.96	1,554.13	1,385.50	168.63	9.216			
19,100.00	12,184.01	19,793.20	12,914.77	93.57	95.20	-118.09	-6,620.68	602.82	1,554.13	1,383.12	171.02	9.088			

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
19,200.00	12,184.88	19,893.20	12,915.64	94.91	96.54	-118.09	-6,720.67	603.68	1,554.13	1,380.73	173.40	8.963			
19,300.00	12,185.75	19,993.20	12,916.51	96.25	97.88	-118.09	-6,820.66	604.54	1,554.13	1,378.34	175.79	8.841			
19,400.00	12,186.62	20,093.20	12,917.37	97.59	99.23	-118.09	-6,920.66	605.40	1,554.13	1,375.95	178.18	8.722			
19,500.00	12,187.49	20,193.20	12,918.24	98.93	100.58	-118.09	-7,020.65	606.26	1,554.13	1,373.55	180.57	8.607			
19,600.00	12,188.36	20,293.20	12,919.11	100.28	101.92	-118.09	-7,120.64	607.12	1,554.12	1,371.16	182.97	8.494			
19,700.00	12,189.24	20,393.20	12,919.98	101.62	103.27	-118.09	-7,220.63	607.98	1,554.12	1,368.76	185.36	8.384			
19,800.00	12,190.11	20,493.20	12,920.85	102.96	104.62	-118.09	-7,320.63	608.84	1,554.12	1,366.36	187.76	8.277			
19,900.00	12,190.98	20,593.20	12,921.71	104.30	105.97	-118.09	-7,420.62	609.70	1,554.12	1,363.97	190.15	8.173			
20,000.00	12,191.85	20,693.20	12,922.58	105.65	107.32	-118.09	-7,520.61	610.56	1,554.12	1,361.56	192.55	8.071			
20,100.00	12,192.72	20,793.20	12,923.45	106.99	108.67	-118.09	-7,620.60	611.42	1,554.12	1,359.16	194.95	7.972			
20,200.00	12,193.59	20,893.20	12,924.32	108.34	110.02	-118.09	-7,720.60	612.28	1,554.12	1,356.76	197.36	7.875			
20,300.00	12,194.46	20,993.20	12,925.19	109.69	111.37	-118.09	-7,820.59	613.15	1,554.11	1,354.35	199.76	7.780			
20,400.00	12,195.33	21,093.20	12,926.05	111.03	112.72	-118.09	-7,920.58	614.01	1,554.11	1,351.95	202.16	7.687			
20,500.00	12,196.20	21,193.20	12,926.92	112.38	114.07	-118.09	-8,020.57	614.87	1,554.11	1,349.54	204.57	7.597			
20,600.00	12,197.08	21,293.20	12,927.79	113.73	115.42	-118.09	-8,120.57	615.73	1,554.11	1,347.13	206.98	7.509			
20,700.00	12,197.95	21,393.20	12,928.66	115.08	116.77	-118.09	-8,220.56	616.59	1,554.11	1,344.72	209.38	7.422			
20,800.00	12,198.82	21,493.20	12,929.53	116.43	118.13	-118.09	-8,320.55	617.45	1,554.11	1,342.31	211.79	7.338			
20,900.00	12,199.69	21,593.20	12,930.39	117.78	119.48	-118.09	-8,420.54	618.31	1,554.10	1,339.90	214.20	7.255			
21,000.00	12,200.56	21,693.20	12,931.26	119.13	120.83	-118.09	-8,520.54	619.17	1,554.10	1,337.49	216.61	7.175			
21,100.00	12,201.43	21,793.20	12,932.13	120.48	122.19	-118.09	-8,620.53	620.03	1,554.10	1,335.08	219.02	7.096			
21,200.00	12,202.30	21,893.20	12,933.00	121.83	123.54	-118.09	-8,720.52	620.89	1,554.10	1,332.66	221.44	7.018			
21,300.00	12,203.17	21,993.20	12,933.87	123.18	124.90	-118.09	-8,820.51	621.75	1,554.10	1,330.25	223.85	6.943			
21,400.00	12,204.04	22,093.20	12,934.73	124.53	126.25	-118.09	-8,920.51	622.61	1,554.10	1,327.83	226.27	6.868			
21,500.00	12,204.92	22,193.20	12,935.60	125.88	127.61	-118.09	-9,020.50	623.47	1,554.10	1,325.41	228.68	6.796			
21,600.00	12,205.79	22,293.20	12,936.47	127.24	128.96	-118.09	-9,120.49	624.33	1,554.09	1,323.00	231.10	6.725			
21,700.00	12,206.66	22,393.20	12,937.34	128.59	130.32	-118.09	-9,220.48	625.20	1,554.09	1,320.58	233.51	6.655			
21,800.00	12,207.53	22,493.20	12,938.21	129.94	131.67	-118.09	-9,320.48	626.06	1,554.09	1,318.16	235.93	6.587			
21,900.00	12,208.40	22,593.20	12,939.07	131.30	133.03	-118.09	-9,420.47	626.92	1,554.09	1,315.74	238.35	6.520			
22,000.00	12,209.27	22,693.20	12,939.94	132.65	134.39	-118.09	-9,520.46	627.78	1,554.09	1,313.32	240.77	6.455			
22,100.00	12,210.14	22,793.20	12,940.81	134.01	135.74	-118.09	-9,620.45	628.64	1,554.09	1,310.90	243.19	6.390			
22,200.00	12,211.01	22,893.20	12,941.68	135.36	137.10	-118.09	-9,720.45	629.50	1,554.09	1,308.47	245.61	6.327			
22,300.00	12,211.88	22,993.20	12,942.55	136.71	138.46	-118.09	-9,820.44	630.36	1,554.08	1,306.05	248.03	6.266			
22,400.00	12,212.76	23,093.20	12,943.41	138.07	139.82	-118.09	-9,920.43	631.22	1,554.08	1,303.63	250.45	6.205			
22,485.42	12,213.50	23,178.63	12,944.16	139.23	140.98	-118.09	-10,005.85	631.96	1,554.08	1,301.56	252.52	6.154			
22,485.80	12,213.50	23,179.00	12,944.16	139.26	140.98	-118.09	-10,006.22	631.96	1,554.08	1,301.55	252.53	6.154	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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to GE 3221 + 26 @ 3247.00usft (26' KB)Coordinates are relative to: Junior Mint Fed 131H

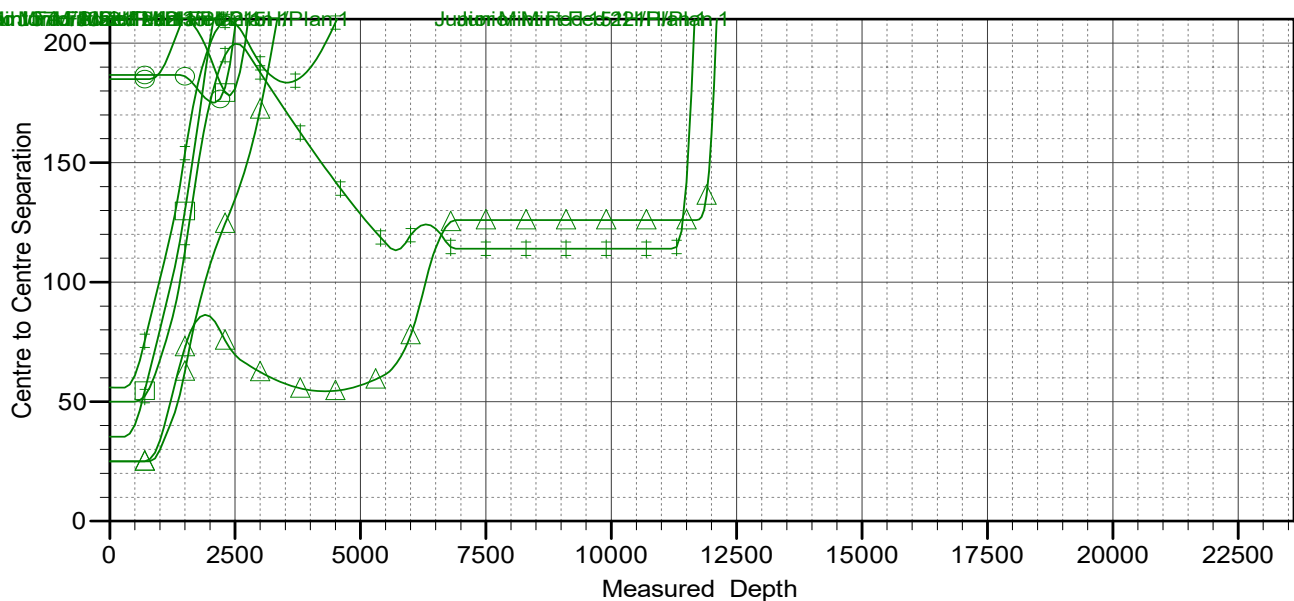
Offset Depths are relative to Offset Datum

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

Central Meridian is -104.3333333

Grid Convergence at Surface is: 0.52°

Ladder Plot



LEGEND

Junior Mint Fed 217H, OH, Plan 1 V0	Junior Mint Fed 137H, OH, Plan 1 V0	Junior Mint Fed 151H, OH, Plan 1 V0
Junior Mint Fed 152H, OH, Plan 1 V0	Junior Mint Fed 211H, OH, Plan 1 V0	Junior Mint Fed 212H, OH, Plan 1 V0
Junior Mint Fed 133H, OH, Plan 1 V0	Junior Mint Fed 132H, OH, Plan 1 V0	Junior Mint Fed 215H, OH, Plan 1 V0
Junior Mint Fed 213H, OH, Plan 1 V0	Junior Mint Fed 156H, OH, Plan 1 V0	Junior Mint Fed 222H, OH, Plan 1 V0
Junior Mint Fed 135H, OH, Plan 1 V0	(O) Montera Federal Com 601H, OH, OH V0	
(O) Montera Federal 023H, OH, OH V0	Junior Mint Fed 221H, OH, Plan 1 V0	

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 131H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3221 + 26 @ 3247.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 131H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to GE 3221 + 26 @ 3247.00usft (26' KB)Coordinates are relative to: Junior Mint Fed 131H

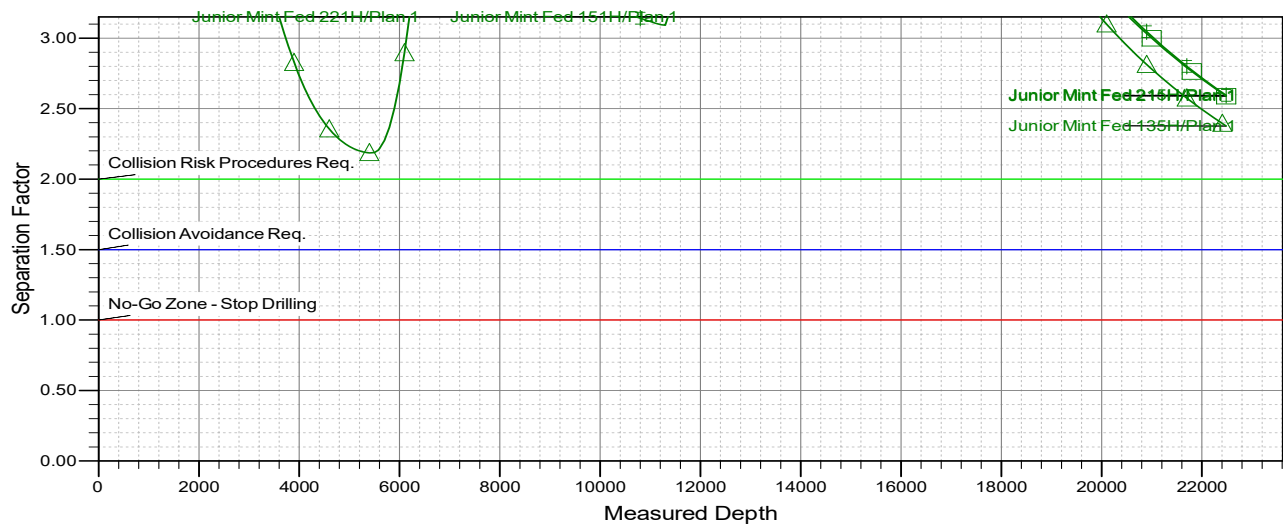
Offset Depths are relative to Offset Datum

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 137H, OH, Plan 1 V0	Junior Mint Fed 151H, OH, Plan 1 V0
Junior Mint Fed 152H, OH, Plan 1 V0	Junior Mint Fed 211H, OH, Plan 1 V0	Junior Mint Fed 212H, OH, Plan 1 V0
Junior Mint Fed 133H, OH, Plan 1 V0	Junior Mint Fed 132H, OH, Plan 1 V0	Junior Mint Fed 215H, OH, Plan 1 V0
Junior Mint Fed 213H, OH, Plan 1 V0	Junior Mint Fed 156H, OH, Plan 1 V0	Junior Mint Fed 222H, OH, Plan 1 V0
Junior Mint Fed 135H, OH, Plan 1 V0	(O) Monteria Federal Com 601H, OH, OH V0	
(O) Monteria Federal 023H, OH, OH V0	Junior Mint Fed 221H, OH, Plan 1 V0	

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

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

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Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/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 475333

CONDITIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 475333
	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