

Form 3160-5 (June 2019)	UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	FORM APPROVED OMB No. 1004-0137 Expires: October 31, 2021
SUNDRY NOTICES AND REPORTS ON WELLS <i>Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.</i>		5. Lease Serial No. NMNM101609
		6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2		7. If Unit of CA/Agreement, Name and/or No.
1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other		8. Well Name and No. JUNIOR MINT FED/211H
2. Name of Operator CIVITAS PERMIAN OPERATING LLC		9. API Well No.
3a. Address 555 17TH STREET SUITE 3700, DENVER, CO 8	3b. Phone No. (include area code) (303) 293-1000	10. Field and Pool or Exploratory Area Dogie Draw; Wolfcamp
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 recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

Civitas Permian Operating, LLC requests the following changes to the previously approved surface hole location (SHL) and drill plan. Change SHL from 271 FNL & 1401 FWL, NENW, Sec. 15, T.25S, R.35E to 511 FNL & 1409 FWL, NENW, Sec. 15, T.25S, R.35E. Changes to the drill plan and other variance requests are detailed in the attached summary and supporting documents. Please see the attached revised C102 plat, directional plan, anticollision report, production casing spec sheets and wellhead diagram for additional information.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) BRIAN WOOD / Ph: (505) 466-8120	Title Permitting Agent
Signature (Electronic Submission)	Date 04/18/2025

THE SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved	Title Petroleum Engineer	Date 05/27/2025
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office CARLSBAD	

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

(Instructions on page 2)

Additional Information

Location of Well

0. SHL: NENW / 271 FNL / 1401 FWL / TWSP: 25S / RANGE: 35E / SECTION: 15 / LAT: 32.1368922 / LONG: -103.359407 (TVD: 0 feet, MD: 0 feet)

PPP: NWNW / 131 FNL / 377 FWL / TWSP: 25S / RANGE: 35E / SECTION: 15 / LAT: 32.1372755 / LONG: -103.3627137 (TVD: 12210 feet, MD: 12330 feet)

BHL: SWSW / 5 FSL / 334 FWL / TWSP: 25S / RANGE: 35E / SECTION: 22 / LAT: 32.1086279 / LONG: -103.3628697 (TVD: 12598 feet, MD: 22881 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 30-025-54741	Pool Code 17980	Pool Name DOGIE DRAW; WOLFCAMP
Property Code 337333	Property Name JUNIOR MINT FED	Well Number 211H
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. C	Section 15	Township 25-S	Range 35-E	Lot Idn -	Feet from the N/S 511' N	Feet from the E/W 1409' W	Latitude N 32.1362323	Longitude W 103.3593817	County LEA
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Bottom Hole Location

UL or lot no. M	Section 22	Township 25-S	Range 35-E	Lot Idn -	Feet from the N/S 5' S	Feet from the E/W 334' W	Latitude N 32.1086279	Longitude W 103.3628697	County LEA
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Dedicated Acres 1280.00	Infill or Defining Well Infill	Defining Well API - 30-025-54740	Overlapping Spacing Unit (Y/N) No	Consolidated Code N/A -
Order Numbers N/A			Well Setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL or lot no. D	Section 15	Township 25-S	Range 35-E	Lot Idn -	Feet from the N/S 100' N	Feet from the E/W 334' W	Latitude N 32.1373681	Longitude W 103.3628555	County LEA
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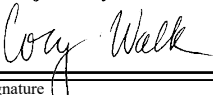
First Take Point (FTP)

UL or lot no. D	Section 15	Township 25-S	Range 35-E	Lot Idn -	Feet from the N/S 100' N	Feet from the E/W 334' W	Latitude N 32.1373681	Longitude W 103.3628555	County LEA
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Last Take Point (LTP)

UL or lot no. M	Section 22	Township 25-S	Range 35-E	Lot Idn -	Feet from the N/S 100' S	Feet from the E/W 334' W	Latitude N 32.1088890	Longitude W 103.3628690	County LEA
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Unitized Area or Area of Uniform Intrest -	Spacing Unity Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation -
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OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief; and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>If this well is a horizontal well, I further certify that this organization has received The consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i>  4-16-25		SURVEYORS CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>  2/6/2025 3:59:07 PM	
Signature Cory Walk		Signature and Seal of Professional Surveyor	
Date 4-16-25		Date 2/6/2025 3:59:07 PM	
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 211H

SURFACE LOCATION (SHL)

NEW MEXICO EAST
NAD 1983
X=842810 Y=414660
LAT.: N 32.1362323
LONG.: W 103.3593817
NAD 1927
X=801623 Y=414602
LAT.: N 32.1361060
LONG.: W 103.3589167
511' FNL 1409' FWL

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

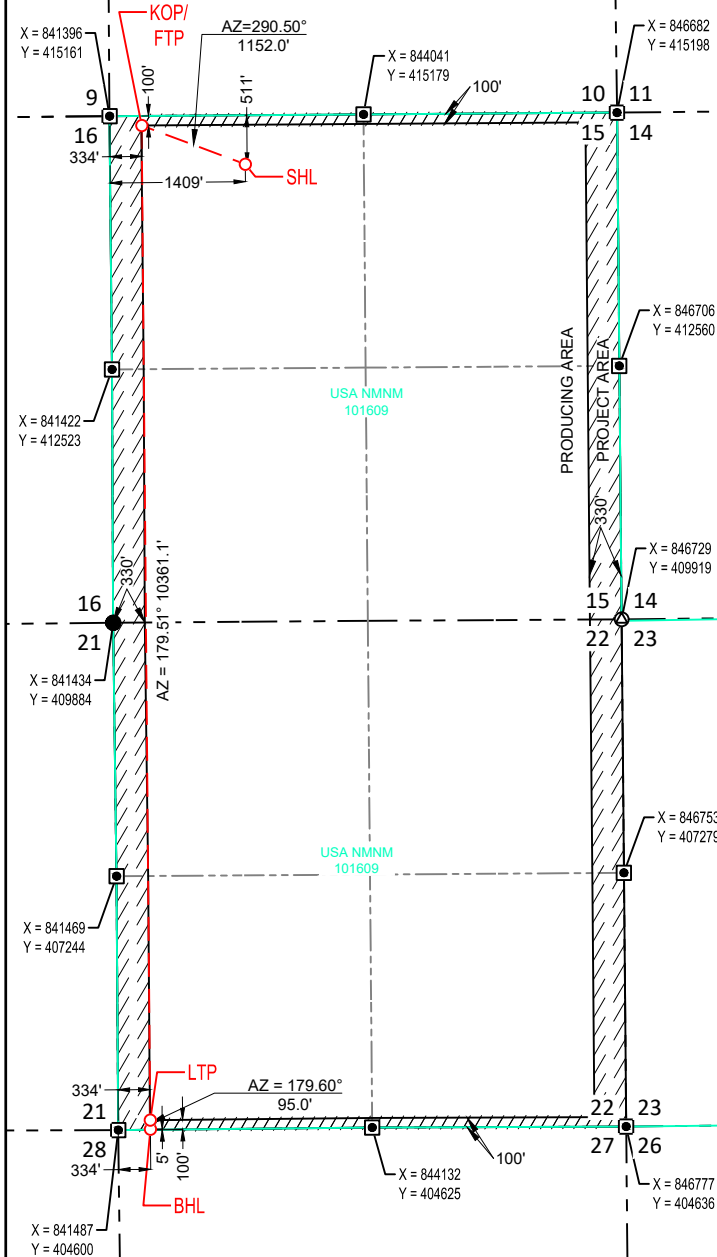
NEW MEXICO EAST
NAD 1983
X=841731 Y=415064
LAT.: N 32.1373681
LONG.: W 103.3628555
NAD 1927
X=800544 Y=415005
LAT.: N 32.1372418
LONG.: W 103.3623903
100' FNL 334' FWL

LAST TAKE POINT (LTP)

NEW MEXICO EAST
NAD 1983
X=841820 Y=404703
LAT.: N 32.1088890
LONG.: W 103.3628690
NAD 1927
X=800633 Y=404645
LAT.: N 32.1087626
LONG.: W 103.3624054
100' FSL 334' FWL

BOTTOM HOLE LOCATION (BHL)

NEW MEXICO EAST
NAD 1983
X=841821 Y=404608
LAT.: N 32.1086279
LONG.: W 103.3628697
NAD 1927
X=800634 Y=404550
LAT.: N 32.1085014
LONG.: W 103.3624060
5' FSL 334' 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 3:59:10 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

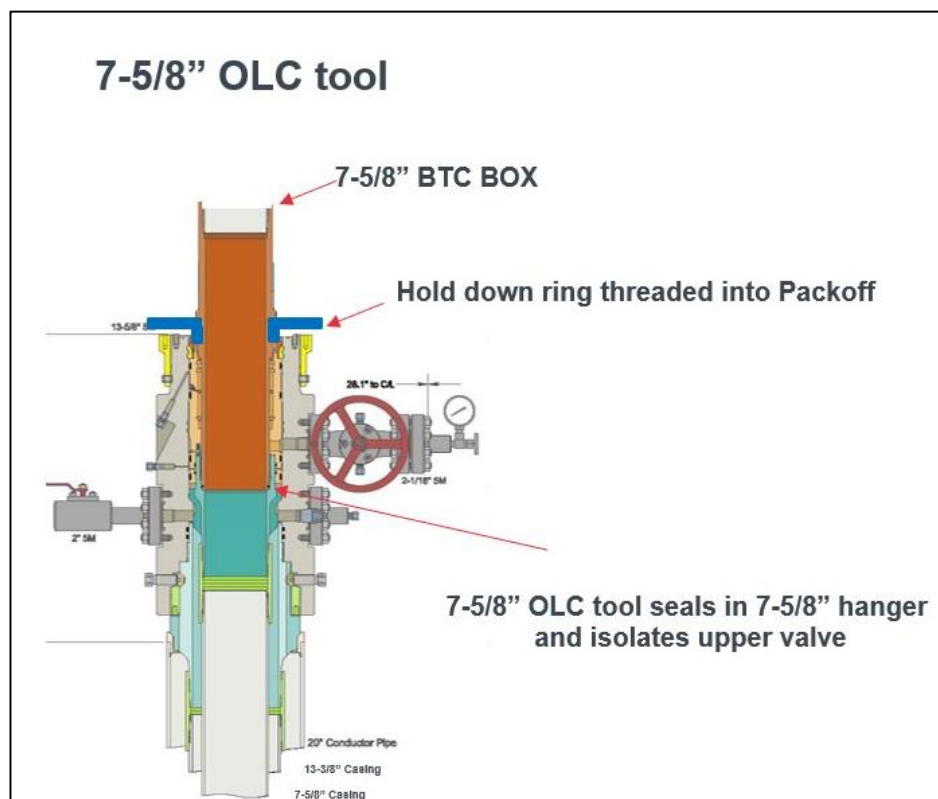


mid/base of the Brushy Canyon and stage 2 would be pumped as a standard bradenhead squeeze to the mid/base of Brushy Canyon (as described above), thus cementing the entire string. To verify the TOC of stage 2, and Echo-meter will be used and with BLM approval, top out the job as needed.

- 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 211, WCA Target

Estimated Tops:

Formation	TVD	MD	Lithologies	Bearing
Quaternary Deposits	0	0	Surface	None
Rustler	660	660	Salt	Salt
Top Salt	1,100	1,100	Salt	Salt
Base Salt	4,920	4,931	Salt	Salt
DMG	5,160	5,278	Sandstone	None
Lamar	5,165	5,283	Sandstone	Hydrocarbons
Bell Canyon	5,185	5,303	Sandstone	Hydrocarbons
Ramsey Sand	5,205	5,331	Sandstone	Hydrocarbons
Cherry Canyon	6,150	6,276	Limestone	Hydrocarbons
Brushy Canyon	7,620	7,746	Sandstone	Hydrocarbons
Bone Spring Lime	8,930	9,056	Carbonate	Hydrocarbons
Upper Avalon	8,955	9,081	Carbonate	Hydrocarbons
Middle Avalon	9,185	9,311	Carbonate	Hydrocarbons
1st BS Sand	10,165	10,291	Sandstone	Hydrocarbons
2nd BS Carb	10,330	10,456	Carbonate	Hydrocarbons
2nd BS Sand	10,715	10,841	Sandstone	Hydrocarbons
3rd BS Carb	11,265	11,391	Carbonate	Hydrocarbons
3rd BS Sand	11,895	12,021	Sandstone	Hydrocarbons
Wolfcamp A	12,210	12,336	Sandstone	Hydrocarbons
Wolfcamp B	12,635	12,761	Sandstone	Hydrocarbons
KOP	11938	12064	Carbonate	Hydrocarbons
TD	12597	22897	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	11,964	7 5/8	API	No	0	11,964	0	11,738	P-110	29.7	BTC	1.13	1.15	1.6
Production	6 3/4	11,964	12,064	5 1/2	NON API	No	0	12,064	0	11,938	P110RYS	23	Talon	1.13	1.15	1.6
	6 3/4	12,064	22,897	5 1/2	NON API	No	12,064	22,897	11,938	12,597	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	673	13.5	100%	C	Additives + LCM
	Tail	775	196	1.33	260	14.8	100%	C	Additives + LCM
Intermediate	Lead	0	1076	4.29	4616	10.5	200%	C	Contingency Bradenhead Squeeze, LCM Lead
	Tail	10964	129	1.67	215	13.2	100%	C	Additives + LCM
Production	Tail	11464	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	11,964	DBE	9.20	27-30	NC
Production	11,964	22,897	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

2/25/2025 2:25:12 PM

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



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

UNCONTROLLED

Notes

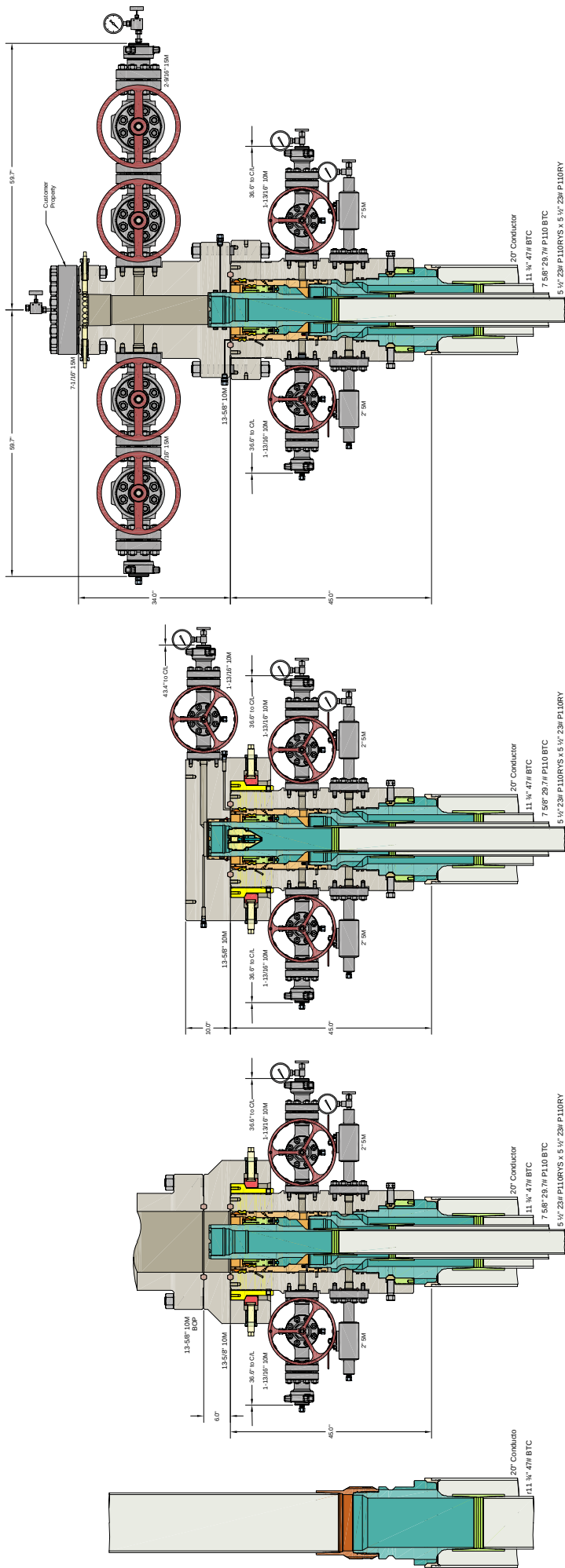
- Other than proprietary collapse and connection values, performance properties have been calculated using standard equations defined by API 5C3 and do not incorporate any additional design or safety factors. Calculations assume nominal pipe OD, nominal wall thickness, and Specified Minimum Yield Strength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

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ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC		CIVITAS RESOURCES DELAWARE BASIN	
20" x 11-3/4" x 7-5/8" x 5-1/2" MBU-3T-SF Wellhead System With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS Tubing Head And Quick Connect Drill Adapter & Quick Connect TA Cap	DRAWN	VJK	13FEB22
	APPRV		
DRAWING NO.		REF: HBE0001444	

Project: Lea County, NM (NAD 83)
Site: Junior Mint Fed Pad
Well: Junior Mint Fed 211H
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)

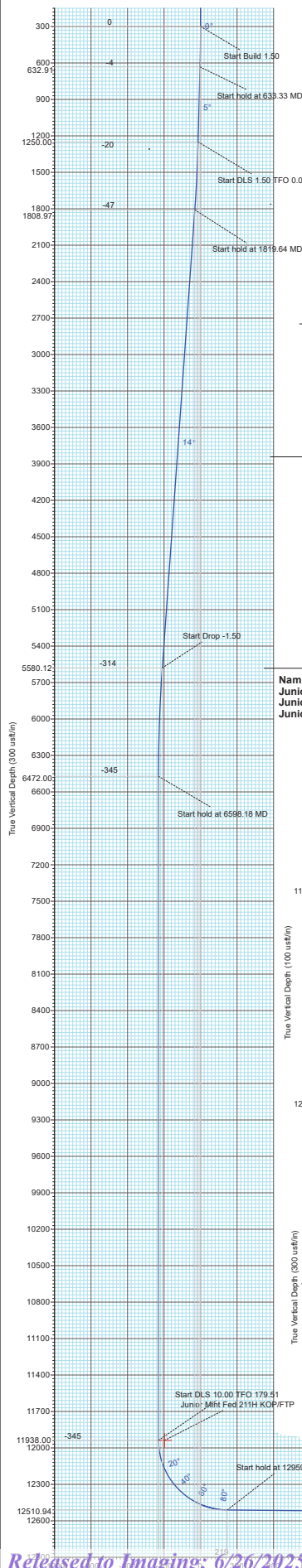
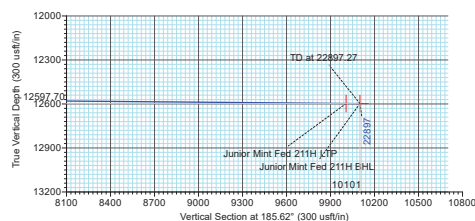
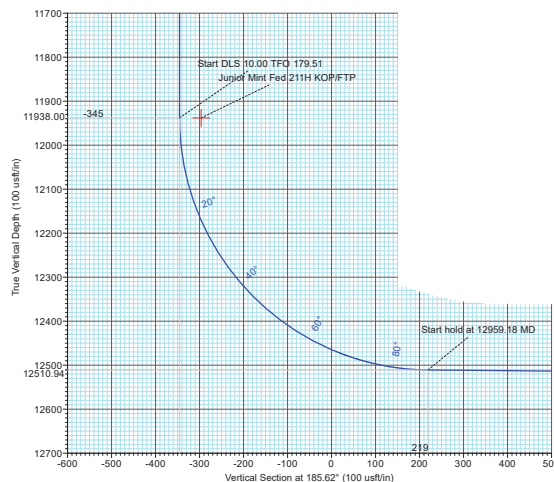
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	414660.00	842810.00	32.1362321	-103.3593816	

SECTION DETAILS

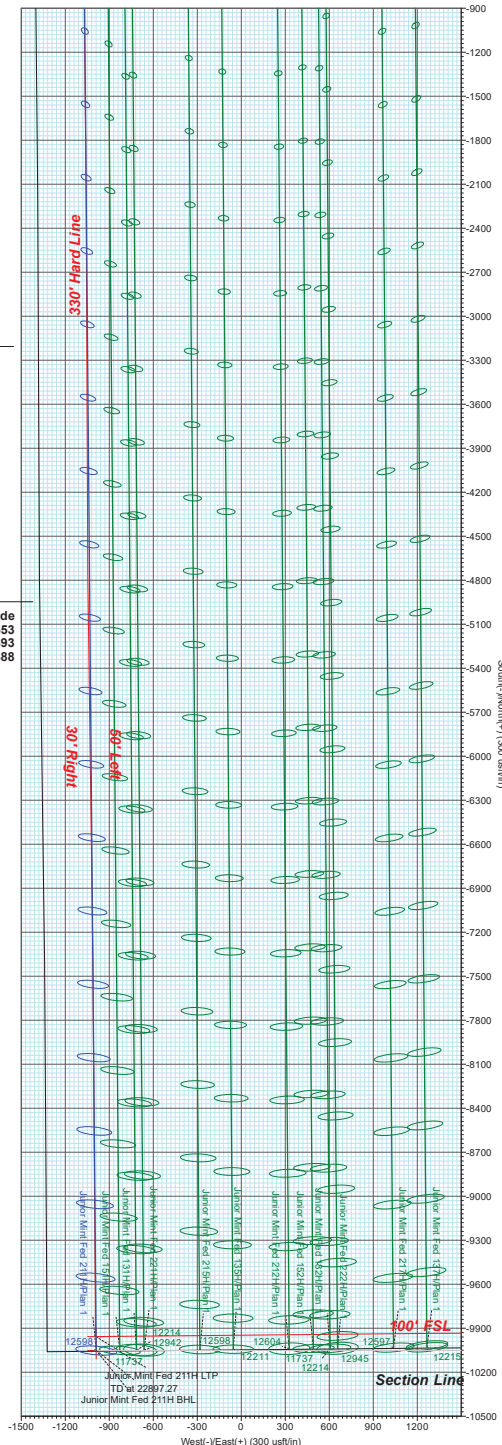
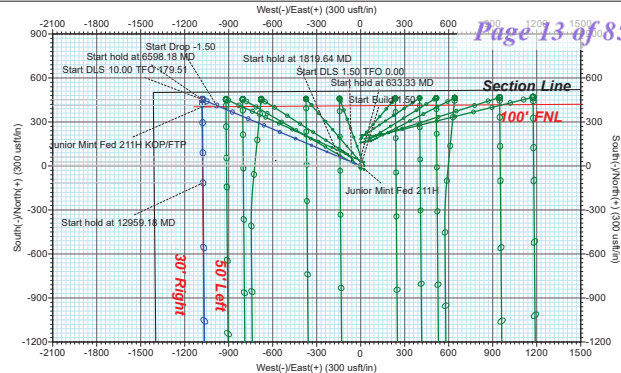
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VFace	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
633.33	5.00	292.78	632.91	5.63	-13.40	1.50	292.78	-4.29	
1252.78	5.00	292.78	1250.00	26.53	-63.18	0.00	0.00	-20.22	
1819.64	13.50	292.78	1808.97	61.78	-147.13	1.50	0.00	-47.08	
5697.99	13.50	292.78	5580.12	412.40	-382.07	0.00	0.00	-314.24	
6598.18	0.00	0.00	6472.00	453.28	-1079.42	1.50	180.00	-345.39	
12064.18	0.00	0.00	11938.00	453.28	-1079.42	0.00	0.00	-345.39	
12959.18	89.50	179.51	12510.94	-114.65	-1074.53	10.00	179.51	219.33	
22897.27	89.50	179.51	12597.70	-10052.00	-989.00	0.00	0.00	10100.54	

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Junior Mint Fed 211H KOP/FTP	11938.00	404.00	-1079.00	415064.00	841731.00	32.1373692	-103.3628553
Junior Mint Fed 211H LTP	12597.20	-9957.00	-990.00	404703.00	841820.00	32.1088893	-103.3628693
Junior Mint Fed 211H BHL	12597.70	-10052.00	-989.00	404608.00	841821.00	32.1086281	-103.3628688



Do Not Cross SL



Civitas Resources

Lea County, NM (NAD 83)

Junior Mint Fed Pad

Junior Mint Fed 211H

OH

Plan: Plan 1



Standard Plan Report

25 March, 2025

Total Report Version 1.70

COMPASS 5000.16 Build 97

Total Directional Planned Survey Report



Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 211H
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 211H	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 211H					
Well Position	+N/-S	0.00 usft	Northing:	414,660.00 usft	Latitude:	32.1362321
	+E/-W	0.00 usft	Easting:	842,810.00 usft	Longitude:	-103.3593816
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	185.62	

Survey Tool Program	Date	3/24/2025			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	22,897.27	Plan 1 (OH)	MWD+HRGM+SAG+FDIF	OWSG MWD + HRGM + SAG + FDIR Correction	

Total Directional Planned Survey Report



Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 211H
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 211H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan 1	Database:	.Total Directional Production DB

Plan Summary

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
633.33	5.00	292.78	632.91	5.63	-13.40	1.50	1.50	0.00	292.78	
1,252.78	5.00	292.78	1,250.00	26.53	-63.18	0.00	0.00	0.00	0.00	
1,819.64	13.50	292.78	1,808.97	61.78	-147.13	1.50	1.50	0.00	0.00	
5,697.99	13.50	292.78	5,580.12	412.40	-982.07	0.00	0.00	0.00	0.00	
6,598.18	0.00	0.00	6,472.00	453.28	-1,079.42	1.50	-1.50	0.00	180.00	
12,064.18	0.00	0.00	11,938.00	453.28	-1,079.42	0.00	0.00	0.00	0.00	
12,959.18	89.50	179.51	12,510.94	-114.65	-1,074.53	10.00	10.00	20.06	179.51	
22,897.27	89.50	179.51	12,597.70	-10,052.00	-989.00	0.00	0.00	0.00	0.00	

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates (usft)		Map Coordinates (usft)		Geo Coordinates (°)		Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
				+N/-S	+E/-W	Northing	Easting	Latitude	Longitude				
0.00	0.00	0.00	0.00	0.00	0.00	414,660.00	842,810.00	32.1362321	-103.3593816	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	414,660.00	842,810.00	32.1362321	-103.3593816	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	414,660.00	842,810.00	32.1362321	-103.3593816	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	414,660.00	842,810.00	32.1362321	-103.3593816	0.00	0.00	0.00	0.00
400.00	1.50	292.78	399.99	0.51	-1.21	414,660.51	842,808.79	32.1362335	-103.3593855	-0.39	1.50	1.50	0.00
500.00	3.00	292.78	499.91	2.03	-4.83	414,662.03	842,805.17	32.1362378	-103.3593972	-1.54	1.50	1.50	0.00
600.00	4.50	292.78	599.69	4.56	-10.86	414,664.56	842,799.14	32.1362449	-103.3594166	-3.47	1.50	1.50	0.00
633.33	5.00	292.78	632.91	5.63	-13.40	414,665.63	842,796.60	32.1362479	-103.3594247	-4.29	1.50	1.50	0.00
700.00	5.00	292.78	699.32	7.88	-18.76	414,667.88	842,791.24	32.1362542	-103.3594420	-6.00	0.00	0.00	0.00
800.00	5.00	292.78	798.94	11.25	-26.79	414,671.25	842,783.21	32.1362637	-103.3594678	-8.57	0.00	0.00	0.00
900.00	5.00	292.78	898.56	14.63	-34.83	414,674.63	842,775.17	32.1362731	-103.3594937	-11.15	0.00	0.00	0.00
1,000.00	5.00	292.78	998.18	18.00	-42.87	414,678.00	842,767.13	32.1362826	-103.3595196	-13.72	0.00	0.00	0.00
1,100.00	5.00	292.78	1,097.80	21.38	-50.90	414,681.38	842,759.10	32.1362921	-103.3595454	-16.29	0.00	0.00	0.00
1,200.00	5.00	292.78	1,197.42	24.75	-58.94	414,684.75	842,751.06	32.1363016	-103.3595713	-18.86	0.00	0.00	0.00
1,252.78	5.00	292.78	1,250.00	26.53	-63.18	414,686.53	842,746.82	32.1363066	-103.3595849	-20.22	0.00	0.00	0.00
1,300.00	5.71	292.78	1,297.01	28.24	-67.24	414,688.24	842,742.76	32.1363114	-103.3595980	-21.52	1.50	1.50	0.00
1,400.00	7.21	292.78	1,396.38	32.59	-77.61	414,692.59	842,732.39	32.1363236	-103.3596314	-24.84	1.50	1.50	0.00
1,500.00	8.71	292.78	1,495.41	37.95	-90.38	414,697.95	842,719.62	32.1363386	-103.3596725	-28.92	1.50	1.50	0.00
1,600.00	10.21	292.78	1,594.05	44.32	-105.53	414,704.32	842,704.47	32.1363565	-103.3597212	-33.77	1.50	1.50	0.00
1,700.00	11.71	292.78	1,692.22	51.68	-123.05	414,711.68	842,686.95	32.1363772	-103.3597776	-39.38	1.50	1.50	0.00
1,800.00	13.21	292.78	1,789.86	60.03	-142.94	414,720.03	842,667.06	32.1364006	-103.3598416	-45.74	1.50	1.50	0.00
1,819.64	13.50	292.78	1,808.97	61.78	-147.13	414,721.78	842,662.87	32.1364056	-103.3598551	-47.08	1.50	1.50	0.00
1,900.00	13.50	292.78	1,887.11	69.05	-164.43	414,729.05	842,645.57	32.1364260	-103.3599107	-52.61	0.00	0.00	0.00
2,000.00	13.50	292.78	1,984.35	78.09	-185.95	414,738.09	842,624.05	32.1364513	-103.3599800	-59.50	0.00	0.00	0.00

Total Directional Planned Survey Report



Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 211H
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 211H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan 1	Database:	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,100.00	13.50	292.78	2,081.58	87.13	-207.48	414,747.13	842,602.52	32.1364767	-103.3600493	-66.39	0.00	0.00	0.00
2,200.00	13.50	292.78	2,178.82	96.17	-229.01	414,756.17	842,580.99	32.1365021	-103.3601186	-73.28	0.00	0.00	0.00
2,300.00	13.50	292.78	2,276.06	105.21	-250.54	414,765.21	842,559.46	32.1365275	-103.3601879	-80.17	0.00	0.00	0.00
2,400.00	13.50	292.78	2,373.29	114.25	-272.07	414,774.25	842,537.93	32.1365529	-103.3602571	-87.06	0.00	0.00	0.00
2,500.00	13.50	292.78	2,470.53	123.29	-293.60	414,783.29	842,516.40	32.1365782	-103.3603264	-93.95	0.00	0.00	0.00
2,600.00	13.50	292.78	2,567.76	132.33	-315.12	414,792.33	842,494.88	32.1366036	-103.3603957	-100.84	0.00	0.00	0.00
2,700.00	13.50	292.78	2,665.00	141.37	-336.65	414,801.37	842,473.35	32.1366290	-103.3604650	-107.72	0.00	0.00	0.00
2,800.00	13.50	292.78	2,762.23	150.41	-358.18	414,810.41	842,451.82	32.1366544	-103.3605342	-114.61	0.00	0.00	0.00
2,900.00	13.50	292.78	2,859.47	159.45	-379.71	414,819.45	842,430.29	32.1366798	-103.3606035	-121.50	0.00	0.00	0.00
3,000.00	13.50	292.78	2,956.71	168.49	-401.24	414,828.49	842,408.76	32.1367052	-103.3606728	-128.39	0.00	0.00	0.00
3,100.00	13.50	292.78	3,053.94	177.53	-422.77	414,837.53	842,387.23	32.1367305	-103.3607421	-135.28	0.00	0.00	0.00
3,200.00	13.50	292.78	3,151.18	186.57	-444.29	414,846.57	842,365.71	32.1367559	-103.3608114	-142.17	0.00	0.00	0.00
3,300.00	13.50	292.78	3,248.41	195.61	-465.82	414,855.61	842,344.18	32.1367813	-103.3608806	-149.06	0.00	0.00	0.00
3,400.00	13.50	292.78	3,345.65	204.65	-487.35	414,864.65	842,322.65	32.1368067	-103.3609499	-155.94	0.00	0.00	0.00
3,500.00	13.50	292.78	3,442.88	213.69	-508.88	414,873.69	842,301.12	32.1368321	-103.3610192	-162.83	0.00	0.00	0.00
3,600.00	13.50	292.78	3,540.12	222.73	-530.41	414,882.73	842,279.59	32.1368575	-103.3610885	-169.72	0.00	0.00	0.00
3,700.00	13.50	292.78	3,637.36	231.78	-551.94	414,891.78	842,258.06	32.1368828	-103.3611578	-176.61	0.00	0.00	0.00
3,800.00	13.50	292.78	3,734.59	240.82	-573.47	414,900.82	842,236.53	32.1369082	-103.3612270	-183.50	0.00	0.00	0.00
3,900.00	13.50	292.78	3,831.83	249.86	-594.99	414,909.86	842,215.01	32.1369336	-103.3612963	-190.39	0.00	0.00	0.00
4,000.00	13.50	292.78	3,929.06	258.90	-616.52	414,918.90	842,193.48	32.1369590	-103.3613656	-197.28	0.00	0.00	0.00
4,100.00	13.50	292.78	4,026.30	267.94	-638.05	414,927.94	842,171.95	32.1369844	-103.3614349	-204.16	0.00	0.00	0.00
4,200.00	13.50	292.78	4,123.54	276.98	-659.58	414,936.98	842,150.42	32.1370097	-103.3615041	-211.05	0.00	0.00	0.00
4,300.00	13.50	292.78	4,220.77	286.02	-681.11	414,946.02	842,128.89	32.1370351	-103.3615734	-217.94	0.00	0.00	0.00
4,400.00	13.50	292.78	4,318.01	295.06	-702.64	414,955.06	842,107.36	32.1370605	-103.3616427	-224.83	0.00	0.00	0.00
4,500.00	13.50	292.78	4,415.24	304.10	-724.16	414,964.10	842,085.84	32.1370859	-103.3617120	-231.72	0.00	0.00	0.00
4,600.00	13.50	292.78	4,512.48	313.14	-745.69	414,973.14	842,064.31	32.1371113	-103.3617813	-238.61	0.00	0.00	0.00
4,700.00	13.50	292.78	4,609.71	322.18	-767.22	414,982.18	842,042.78	32.1371366	-103.3618505	-245.50	0.00	0.00	0.00
4,800.00	13.50	292.78	4,706.95	331.22	-788.75	414,991.22	842,021.25	32.1371620	-103.3619198	-252.38	0.00	0.00	0.00
4,900.00	13.50	292.78	4,804.19	340.26	-810.28	415,000.26	841,999.72	32.1371874	-103.3619891	-259.27	0.00	0.00	0.00
5,000.00	13.50	292.78	4,901.42	349.30	-831.81	415,009.30	841,978.19	32.1372128	-103.3620584	-266.16	0.00	0.00	0.00
5,100.00	13.50	292.78	4,998.66	358.34	-853.33	415,018.34	841,956.67	32.1372382	-103.3621277	-273.05	0.00	0.00	0.00
5,200.00	13.50	292.78	5,095.89	367.38	-874.86	415,027.38	841,935.14	32.1372636	-103.3621969	-279.94	0.00	0.00	0.00
5,300.00	13.50	292.78	5,193.13	376.42	-896.39	415,036.42	841,913.61	32.1372889	-103.3622662	-286.83	0.00	0.00	0.00
5,400.00	13.50	292.78	5,290.37	385.46	-917.92	415,045.46	841,892.08	32.1373143	-103.3623355	-293.72	0.00	0.00	0.00
5,500.00	13.50	292.78	5,387.60	394.50	-939.45	415,054.50	841,870.55	32.1373397	-103.3624048	-300.60	0.00	0.00	0.00
5,600.00	13.50	292.78	5,484.84	403.54	-960.98	415,063.54	841,849.02	32.1373651	-103.3624741	-307.49	0.00	0.00	0.00
5,697.99	13.50	292.78	5,580.12	412.40	-982.07	415,072.40	841,827.93	32.1373900	-103.3625419	-314.24	0.00	0.00	0.00

Total Directional Planned Survey Report



Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 211H
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 211H	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)
5,700.00	13.47	292.78	5,582.07	412.58	-982.50	415,072.58	841,827.50	32.1373905	-103.3625433	-314.38	1.50	-1.50	0.00
5,800.00	11.97	292.78	5,679.61	421.11	-1,002.81	415,081.11	841,807.19	32.1374144	-103.3626087	-320.88	1.50	-1.50	0.00
5,900.00	10.47	292.78	5,777.70	428.64	-1,020.75	415,088.64	841,789.25	32.1374356	-103.3626664	-326.62	1.50	-1.50	0.00
6,000.00	8.97	292.78	5,876.26	435.18	-1,036.32	415,095.18	841,773.68	32.1374539	-103.3627165	-331.60	1.50	-1.50	0.00
6,100.00	7.47	292.78	5,975.23	440.72	-1,049.51	415,100.72	841,760.49	32.1374695	-103.3627590	-335.82	1.50	-1.50	0.00
6,200.00	5.97	292.78	6,074.54	445.25	-1,060.30	415,105.25	841,749.70	32.1374822	-103.3627937	-339.28	1.50	-1.50	0.00
6,300.00	4.47	292.78	6,174.12	448.78	-1,068.69	415,108.78	841,741.31	32.1374921	-103.3628207	-341.96	1.50	-1.50	0.00
6,400.00	2.97	292.78	6,273.91	451.29	-1,074.68	415,111.29	841,735.32	32.1374991	-103.3628400	-343.88	1.50	-1.50	0.00
6,500.00	1.47	292.78	6,373.83	452.79	-1,078.26	415,112.79	841,731.74	32.1375034	-103.3628515	-345.02	1.50	-1.50	0.00
6,598.18	0.00	0.00	6,472.00	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	1.50	-1.50	0.00
6,600.00	0.00	0.00	6,473.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00
6,700.00	0.00	0.00	6,573.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00
6,800.00	0.00	0.00	6,673.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00
6,900.00	0.00	0.00	6,773.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00
7,000.00	0.00	0.00	6,873.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00
7,100.00	0.00	0.00	6,973.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00
7,200.00	0.00	0.00	7,073.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00
7,300.00	0.00	0.00	7,173.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00
7,400.00	0.00	0.00	7,273.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00
7,500.00	0.00	0.00	7,373.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00
7,600.00	0.00	0.00	7,473.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00
7,700.00	0.00	0.00	7,573.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00
7,800.00	0.00	0.00	7,673.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00
7,900.00	0.00	0.00	7,773.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00
8,000.00	0.00	0.00	7,873.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00
8,100.00	0.00	0.00	7,973.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00
8,200.00	0.00	0.00	8,073.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00
8,300.00	0.00	0.00	8,173.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00
8,400.00	0.00	0.00	8,273.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00
8,500.00	0.00	0.00	8,373.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00
8,600.00	0.00	0.00	8,473.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00
8,700.00	0.00	0.00	8,573.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00
8,800.00	0.00	0.00	8,673.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00
8,900.00	0.00	0.00	8,773.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00
9,000.00	0.00	0.00	8,873.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00
9,100.00	0.00	0.00	8,973.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00
9,200.00	0.00	0.00	9,073.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00
9,300.00	0.00	0.00	9,173.82	453.28	-1,079.42	415,113.28	841,730.58	32.1375047	-103.3628552	-345.39	0.00	0.00	0.00

Total Directional Planned Survey Report



Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 211H
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 211H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan 1	Database:	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft) +E/-W (usft)	Map Coordinates Northing (usft) Easting (usft)	Geo Coordinates Latitude (°) Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,400.00	0.00	0.00	9,273.82	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
9,500.00	0.00	0.00	9,373.82	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
9,600.00	0.00	0.00	9,473.82	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
9,700.00	0.00	0.00	9,573.82	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
9,800.00	0.00	0.00	9,673.82	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
9,900.00	0.00	0.00	9,773.82	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
10,000.00	0.00	0.00	9,873.82	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
10,100.00	0.00	0.00	9,973.82	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
10,200.00	0.00	0.00	10,073.82	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
10,300.00	0.00	0.00	10,173.82	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
10,400.00	0.00	0.00	10,273.82	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
10,500.00	0.00	0.00	10,373.82	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
10,600.00	0.00	0.00	10,473.82	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
10,700.00	0.00	0.00	10,573.82	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
10,800.00	0.00	0.00	10,673.82	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
10,900.00	0.00	0.00	10,773.82	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
11,000.00	0.00	0.00	10,873.82	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
11,100.00	0.00	0.00	10,973.82	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
11,200.00	0.00	0.00	11,073.82	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
11,300.00	0.00	0.00	11,173.82	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
11,400.00	0.00	0.00	11,273.82	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
11,500.00	0.00	0.00	11,373.82	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
11,600.00	0.00	0.00	11,473.82	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
11,700.00	0.00	0.00	11,573.82	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
11,800.00	0.00	0.00	11,673.82	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
11,900.00	0.00	0.00	11,773.82	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
12,000.00	0.00	0.00	11,873.82	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
12,064.18	0.00	0.00	11,938.00	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	0.00	0.00	0.00
12,065.72	0.15	179.51	11,939.54	453.28 -1,079.42	415,113.28 841,730.58	32.1375047 -103.3628552	-345.39	10.00	10.00	0.00
Junior Mint Fed 211H KOP/FTP										
12,100.00	3.58	179.51	11,973.80	452.16 -1,079.41	415,112.16 841,730.59	32.1375016 -103.3628552	-344.28	10.00	10.00	0.00
12,150.00	8.58	179.51	12,023.50	446.87 -1,079.36	415,106.87 841,730.64	32.1374871 -103.3628552	-339.01	10.00	10.00	0.00
12,200.00	13.58	179.51	12,072.55	437.26 -1,079.28	415,097.26 841,730.72	32.1374607 -103.3628552	-329.46	10.00	10.00	0.00
12,250.00	18.58	179.51	12,120.58	423.41 -1,079.16	415,083.41 841,730.84	32.1374226 -103.3628553	-315.69	10.00	10.00	0.00
12,300.00	23.58	179.51	12,167.22	405.43 -1,079.01	415,065.43 841,730.99	32.1373732 -103.3628553	-297.82	10.00	10.00	0.00
12,350.00	28.58	179.51	12,212.11	383.46 -1,078.82	415,043.46 841,731.18	32.1373128 -103.3628553	-275.97	10.00	10.00	0.00
12,400.00	33.58	179.51	12,254.92	357.66 -1,078.60	415,017.65 841,731.40	32.1372419 -103.3628553	-250.31	10.00	10.00	0.00

Total Directional Planned Survey Report



Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 211H
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 211H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan 1	Database:	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,450.00	38.58	179.51	12,295.31	328.22	-1,078.34	414,988.22	841,731.66	32.1371610	-103.3628554	-221.04	10.00	10.00	0.00
12,500.00	43.58	179.51	12,332.99	295.37	-1,078.06	414,955.37	841,731.94	32.1370707	-103.3628554	-188.38	10.00	10.00	0.00
12,550.00	48.58	179.51	12,367.66	259.37	-1,077.75	414,919.37	841,732.25	32.1369717	-103.3628555	-152.58	10.00	10.00	0.00
12,600.00	53.58	179.51	12,399.06	220.48	-1,077.42	414,880.48	841,732.58	32.1368648	-103.3628555	-113.91	10.00	10.00	0.00
12,650.00	58.58	179.51	12,426.95	179.00	-1,077.06	414,839.00	841,732.94	32.1367508	-103.3628556	-72.67	10.00	10.00	0.00
12,700.00	63.58	179.51	12,451.12	135.25	-1,076.68	414,795.25	841,733.32	32.1366305	-103.3628556	-29.16	10.00	10.00	0.00
12,750.00	68.58	179.51	12,471.39	89.56	-1,076.29	414,749.56	841,733.71	32.1365050	-103.3628557	16.27	10.00	10.00	0.00
12,800.00	73.58	179.51	12,487.60	42.28	-1,075.88	414,702.28	841,734.12	32.1363750	-103.3628558	63.28	10.00	10.00	0.00
12,850.00	78.58	179.51	12,499.62	-6.23	-1,075.46	414,653.77	841,734.54	32.1362416	-103.3628558	111.52	10.00	10.00	0.00
12,900.00	83.58	179.51	12,507.37	-55.61	-1,075.04	414,604.39	841,734.96	32.1361059	-103.3628559	160.62	10.00	10.00	0.00
12,950.00	88.58	179.51	12,510.78	-105.48	-1,074.61	414,554.52	841,735.39	32.1359688	-103.3628560	210.21	10.00	10.00	0.00
12,959.18	89.50	179.51	12,510.94	-114.65	-1,074.53	414,545.35	841,735.47	32.1359436	-103.3628560	219.33	10.00	10.00	0.00
13,000.00	89.50	179.51	12,511.29	-155.47	-1,074.18	414,504.53	841,735.82	32.1358314	-103.3628560	259.92	0.00	0.00	0.00
13,100.00	89.50	179.51	12,512.17	-255.46	-1,073.32	414,404.54	841,736.68	32.1355566	-103.3628561	359.35	0.00	0.00	0.00
13,200.00	89.50	179.51	12,513.04	-355.46	-1,072.46	414,304.54	841,737.54	32.1352817	-103.3628563	458.77	0.00	0.00	0.00
13,300.00	89.50	179.51	12,513.91	-455.45	-1,071.60	414,204.55	841,738.40	32.1350068	-103.3628564	558.20	0.00	0.00	0.00
13,400.00	89.50	179.51	12,514.78	-555.44	-1,070.74	414,104.56	841,739.26	32.1347320	-103.3628565	657.63	0.00	0.00	0.00
13,500.00	89.50	179.51	12,515.66	-655.43	-1,069.88	414,004.57	841,740.12	32.1344571	-103.3628567	757.06	0.00	0.00	0.00
13,600.00	89.50	179.51	12,516.53	-755.43	-1,069.02	413,904.57	841,740.98	32.1341823	-103.3628568	856.48	0.00	0.00	0.00
13,700.00	89.50	179.51	12,517.40	-855.42	-1,068.16	413,804.58	841,741.84	32.1339074	-103.3628569	955.91	0.00	0.00	0.00
13,800.00	89.50	179.51	12,518.28	-955.41	-1,067.30	413,704.59	841,742.70	32.1336326	-103.3628571	1,055.34	0.00	0.00	0.00
13,900.00	89.50	179.51	12,519.15	-1,055.40	-1,066.43	413,604.60	841,743.57	32.1333577	-103.3628572	1,154.77	0.00	0.00	0.00
14,000.00	89.50	179.51	12,520.02	-1,155.40	-1,065.57	413,504.60	841,744.43	32.1330829	-103.3628573	1,254.20	0.00	0.00	0.00
14,100.00	89.50	179.51	12,520.90	-1,255.39	-1,064.71	413,404.61	841,745.29	32.1328080	-103.3628574	1,353.62	0.00	0.00	0.00
14,200.00	89.50	179.51	12,521.77	-1,355.38	-1,063.85	413,304.62	841,746.15	32.1325331	-103.3628576	1,453.05	0.00	0.00	0.00
14,300.00	89.50	179.51	12,522.64	-1,455.37	-1,062.99	413,204.63	841,747.01	32.1322583	-103.3628577	1,552.48	0.00	0.00	0.00
14,400.00	89.50	179.51	12,523.52	-1,555.37	-1,062.13	413,104.63	841,747.87	32.1319834	-103.3628578	1,651.91	0.00	0.00	0.00
14,500.00	89.50	179.51	12,524.39	-1,655.36	-1,061.27	413,004.64	841,748.73	32.1317086	-103.3628580	1,751.33	0.00	0.00	0.00
14,600.00	89.50	179.51	12,525.26	-1,755.35	-1,060.41	412,904.65	841,749.59	32.1314337	-103.3628581	1,850.76	0.00	0.00	0.00
14,700.00	89.50	179.51	12,526.13	-1,855.34	-1,059.55	412,804.66	841,750.45	32.1311589	-103.3628582	1,950.19	0.00	0.00	0.00
14,800.00	89.50	179.51	12,527.01	-1,955.34	-1,058.69	412,704.66	841,751.31	32.1308840	-103.3628584	2,049.62	0.00	0.00	0.00
14,900.00	89.50	179.51	12,527.88	-2,055.33	-1,057.83	412,604.67	841,752.17	32.1306092	-103.3628585	2,149.04	0.00	0.00	0.00
15,000.00	89.50	179.51	12,528.75	-2,155.32	-1,056.97	412,504.68	841,753.03	32.1303343	-103.3628586	2,248.47	0.00	0.00	0.00
15,100.00	89.50	179.51	12,529.63	-2,255.31	-1,056.11	412,404.69	841,753.89	32.1300594	-103.3628587	2,347.90	0.00	0.00	0.00
15,200.00	89.50	179.51	12,530.50	-2,355.31	-1,055.25	412,304.69	841,754.75	32.1297846	-103.3628589	2,447.33	0.00	0.00	0.00
15,300.00	89.50	179.51	12,531.37	-2,455.30	-1,054.39	412,204.70	841,755.61	32.1295097	-103.3628590	2,546.75	0.00	0.00	0.00
15,400.00	89.50	179.51	12,532.25	-2,555.29	-1,053.52	412,104.71	841,756.48	32.1292349	-103.3628591	2,646.18	0.00	0.00	0.00
15,500.00	89.50	179.51	12,533.12	-2,655.28	-1,052.66	412,004.72	841,757.34	32.1289600	-103.3628593	2,745.61	0.00	0.00	0.00

Total Directional Planned Survey Report



Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 211H
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 211H	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)
15,600.00	89.50	179.51	12,533.99	-2,755.28	-1,051.80	411,904.72	841,758.20	32.1286852	-103.3628594	2,845.04	0.00	0.00	0.00
15,700.00	89.50	179.51	12,534.86	-2,855.27	-1,050.94	411,804.73	841,759.06	32.1284103	-103.3628595	2,944.46	0.00	0.00	0.00
15,800.00	89.50	179.51	12,535.74	-2,955.26	-1,050.08	411,704.74	841,759.92	32.1281354	-103.3628597	3,043.89	0.00	0.00	0.00
15,900.00	89.50	179.51	12,536.61	-3,055.25	-1,049.22	411,604.75	841,760.78	32.1278606	-103.3628598	3,143.32	0.00	0.00	0.00
16,000.00	89.50	179.51	12,537.48	-3,155.25	-1,048.36	411,504.75	841,761.64	32.1275857	-103.3628599	3,242.75	0.00	0.00	0.00
16,100.00	89.50	179.51	12,538.36	-3,255.24	-1,047.50	411,404.76	841,762.50	32.1273109	-103.3628600	3,342.17	0.00	0.00	0.00
16,200.00	89.50	179.51	12,539.23	-3,355.23	-1,046.64	411,304.77	841,763.36	32.1270360	-103.3628602	3,441.60	0.00	0.00	0.00
16,300.00	89.50	179.51	12,540.10	-3,455.22	-1,045.78	411,204.78	841,764.22	32.1267612	-103.3628603	3,541.03	0.00	0.00	0.00
16,400.00	89.50	179.51	12,540.98	-3,555.22	-1,044.92	411,104.78	841,765.08	32.1264863	-103.3628604	3,640.46	0.00	0.00	0.00
16,500.00	89.50	179.51	12,541.85	-3,655.21	-1,044.06	411,004.79	841,765.94	32.1262115	-103.3628606	3,739.88	0.00	0.00	0.00
16,600.00	89.50	179.51	12,542.72	-3,755.20	-1,043.20	410,904.80	841,766.80	32.1259366	-103.3628607	3,839.31	0.00	0.00	0.00
16,700.00	89.50	179.51	12,543.60	-3,855.19	-1,042.34	410,804.81	841,767.66	32.1256617	-103.3628608	3,938.74	0.00	0.00	0.00
16,800.00	89.50	179.51	12,544.47	-3,955.19	-1,041.48	410,704.81	841,768.52	32.1253869	-103.3628610	4,038.17	0.00	0.00	0.00
16,900.00	89.50	179.51	12,545.34	-4,055.18	-1,040.62	410,604.82	841,769.38	32.1251120	-103.3628611	4,137.59	0.00	0.00	0.00
17,000.00	89.50	179.51	12,546.21	-4,155.17	-1,039.75	410,504.83	841,770.25	32.1248372	-103.3628612	4,237.02	0.00	0.00	0.00
17,100.00	89.50	179.51	12,547.09	-4,255.16	-1,038.89	410,404.84	841,771.11	32.1245623	-103.3628613	4,336.45	0.00	0.00	0.00
17,200.00	89.50	179.51	12,547.96	-4,355.16	-1,038.03	410,304.84	841,771.97	32.1242875	-103.3628615	4,435.88	0.00	0.00	0.00
17,300.00	89.50	179.51	12,548.83	-4,455.15	-1,037.17	410,204.85	841,772.83	32.1240126	-103.3628616	4,535.30	0.00	0.00	0.00
17,400.00	89.50	179.51	12,549.71	-4,555.14	-1,036.31	410,104.86	841,773.69	32.1237378	-103.3628617	4,634.73	0.00	0.00	0.00
17,500.00	89.50	179.51	12,550.58	-4,655.13	-1,035.45	410,004.87	841,774.55	32.1234629	-103.3628619	4,734.16	0.00	0.00	0.00
17,600.00	89.50	179.51	12,551.45	-4,755.13	-1,034.59	409,904.87	841,775.41	32.1231880	-103.3628620	4,833.59	0.00	0.00	0.00
17,700.00	89.50	179.51	12,552.33	-4,855.12	-1,033.73	409,804.88	841,776.27	32.1229132	-103.3628621	4,933.02	0.00	0.00	0.00
17,800.00	89.50	179.51	12,553.20	-4,955.11	-1,032.87	409,704.89	841,777.13	32.1226383	-103.3628622	5,032.44	0.00	0.00	0.00
17,900.00	89.50	179.51	12,554.07	-5,055.10	-1,032.01	409,604.90	841,777.99	32.1223635	-103.3628624	5,131.87	0.00	0.00	0.00
18,000.00	89.50	179.51	12,554.94	-5,155.10	-1,031.15	409,504.90	841,778.85	32.1220886	-103.3628625	5,231.30	0.00	0.00	0.00
18,100.00	89.50	179.51	12,555.82	-5,255.09	-1,030.29	409,404.91	841,779.71	32.1218138	-103.3628626	5,330.73	0.00	0.00	0.00
18,200.00	89.50	179.51	12,556.69	-5,355.08	-1,029.43	409,304.92	841,780.57	32.1215389	-103.3628628	5,430.15	0.00	0.00	0.00
18,300.00	89.50	179.51	12,557.56	-5,455.07	-1,028.57	409,204.93	841,781.43	32.1212640	-103.3628629	5,529.58	0.00	0.00	0.00
18,400.00	89.50	179.51	12,558.44	-5,555.07	-1,027.71	409,104.93	841,782.29	32.1209892	-103.3628630	5,629.01	0.00	0.00	0.00
18,500.00	89.50	179.51	12,559.31	-5,655.06	-1,026.84	409,004.94	841,783.16	32.1207143	-103.3628632	5,728.44	0.00	0.00	0.00
18,600.00	89.50	179.51	12,560.18	-5,755.05	-1,025.98	408,904.95	841,784.02	32.1204395	-103.3628633	5,827.86	0.00	0.00	0.00
18,700.00	89.50	179.51	12,561.06	-5,855.04	-1,025.12	408,804.96	841,784.88	32.1201646	-103.3628634	5,927.29	0.00	0.00	0.00
18,800.00	89.50	179.51	12,561.93	-5,955.04	-1,024.26	408,704.96	841,785.74	32.1198898	-103.3628635	6,026.72	0.00	0.00	0.00
18,900.00	89.50	179.51	12,562.80	-6,055.03	-1,023.40	408,604.97	841,786.60	32.1196149	-103.3628637	6,126.15	0.00	0.00	0.00
19,000.00	89.50	179.51	12,563.68	-6,155.02	-1,022.54	408,504.98	841,787.46	32.1193401	-103.3628638	6,225.57	0.00	0.00	0.00
19,100.00	89.50	179.51	12,564.55	-6,255.01	-1,021.68	408,404.99	841,788.32	32.1190652	-103.3628639	6,325.00	0.00	0.00	0.00
19,200.00	89.50	179.51	12,565.42	-6,355.01	-1,020.82	408,304.99	841,789.18	32.1187903	-103.3628641	6,424.43	0.00	0.00	0.00

Total Directional Planned Survey Report



Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 211H
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 211H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan 1	Database:	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,300.00	89.50	179.51	12,566.29	-6,455.00	-1,019.96	408,205.00	841,790.04	32.1185155	-103.3628642	6,523.86	0.00	0.00	0.00
19,400.00	89.50	179.51	12,567.17	-6,554.99	-1,019.10	408,105.01	841,790.90	32.1182406	-103.3628643	6,623.28	0.00	0.00	0.00
19,500.00	89.50	179.51	12,568.04	-6,654.98	-1,018.24	408,005.02	841,791.76	32.1179658	-103.3628644	6,722.71	0.00	0.00	0.00
19,600.00	89.50	179.51	12,568.91	-6,754.98	-1,017.38	407,905.02	841,792.62	32.1176909	-103.3628646	6,822.14	0.00	0.00	0.00
19,700.00	89.50	179.51	12,569.79	-6,854.97	-1,016.52	407,805.03	841,793.48	32.1174161	-103.3628647	6,921.57	0.00	0.00	0.00
19,800.00	89.50	179.51	12,570.66	-6,954.96	-1,015.66	407,705.04	841,794.34	32.1171412	-103.3628648	7,020.99	0.00	0.00	0.00
19,900.00	89.50	179.51	12,571.53	-7,054.95	-1,014.80	407,605.05	841,795.20	32.1168663	-103.3628650	7,120.42	0.00	0.00	0.00
20,000.00	89.50	179.51	12,572.41	-7,154.95	-1,013.94	407,505.05	841,796.06	32.1165915	-103.3628651	7,219.85	0.00	0.00	0.00
20,100.00	89.50	179.51	12,573.28	-7,254.94	-1,013.07	407,405.06	841,796.93	32.1163166	-103.3628652	7,319.28	0.00	0.00	0.00
20,200.00	89.50	179.51	12,574.15	-7,354.93	-1,012.21	407,305.07	841,797.79	32.1160418	-103.3628653	7,418.70	0.00	0.00	0.00
20,300.00	89.50	179.51	12,575.02	-7,454.92	-1,011.35	407,205.08	841,798.65	32.1157669	-103.3628655	7,518.13	0.00	0.00	0.00
20,400.00	89.50	179.51	12,575.90	-7,554.92	-1,010.49	407,105.08	841,799.51	32.1154921	-103.3628656	7,617.56	0.00	0.00	0.00
20,500.00	89.50	179.51	12,576.77	-7,654.91	-1,009.63	407,005.09	841,800.37	32.1152172	-103.3628657	7,716.99	0.00	0.00	0.00
20,600.00	89.50	179.51	12,577.64	-7,754.90	-1,008.77	406,905.10	841,801.23	32.1149423	-103.3628659	7,816.41	0.00	0.00	0.00
20,700.00	89.50	179.51	12,578.52	-7,854.89	-1,007.91	406,805.11	841,802.09	32.1146675	-103.3628660	7,915.84	0.00	0.00	0.00
20,800.00	89.50	179.51	12,579.39	-7,954.89	-1,007.05	406,705.11	841,802.95	32.1143926	-103.3628661	8,015.27	0.00	0.00	0.00
20,900.00	89.50	179.51	12,580.26	-8,054.88	-1,006.19	406,605.12	841,803.81	32.1141178	-103.3628662	8,114.70	0.00	0.00	0.00
21,000.00	89.50	179.51	12,581.14	-8,154.87	-1,005.33	406,505.13	841,804.67	32.1138429	-103.3628664	8,214.12	0.00	0.00	0.00
21,100.00	89.50	179.51	12,582.01	-8,254.86	-1,004.47	406,405.14	841,805.53	32.1135681	-103.3628665	8,313.55	0.00	0.00	0.00
21,200.00	89.50	179.51	12,582.88	-8,354.86	-1,003.61	406,305.14	841,806.39	32.1132932	-103.3628666	8,412.98	0.00	0.00	0.00
21,300.00	89.50	179.51	12,583.76	-8,454.85	-1,002.75	406,205.15	841,807.25	32.1130184	-103.3628668	8,512.41	0.00	0.00	0.00
21,400.00	89.50	179.51	12,584.63	-8,554.84	-1,001.89	406,105.16	841,808.11	32.1127435	-103.3628669	8,611.84	0.00	0.00	0.00
21,500.00	89.50	179.51	12,585.50	-8,654.83	-1,001.03	406,005.17	841,808.97	32.1124686	-103.3628670	8,711.26	0.00	0.00	0.00
21,600.00	89.50	179.51	12,586.37	-8,754.83	-1,000.16	405,905.17	841,809.84	32.1121938	-103.3628671	8,810.69	0.00	0.00	0.00
21,700.00	89.50	179.51	12,587.25	-8,854.82	-999.30	405,805.18	841,810.70	32.1119189	-103.3628673	8,910.12	0.00	0.00	0.00
21,800.00	89.50	179.51	12,588.12	-8,954.81	-998.44	405,705.19	841,811.56	32.1116441	-103.3628674	9,009.55	0.00	0.00	0.00
21,900.00	89.50	179.51	12,588.99	-9,054.80	-997.58	405,605.20	841,812.42	32.1113692	-103.3628675	9,108.97	0.00	0.00	0.00
22,000.00	89.50	179.51	12,589.87	-9,154.80	-996.72	405,505.20	841,813.28	32.1110944	-103.3628677	9,208.40	0.00	0.00	0.00
22,100.00	89.50	179.51	12,590.74	-9,254.79	-995.86	405,405.21	841,814.14	32.1108195	-103.3628678	9,307.83	0.00	0.00	0.00
22,200.00	89.50	179.51	12,591.61	-9,354.78	-995.00	405,305.22	841,815.00	32.1105446	-103.3628679	9,407.26	0.00	0.00	0.00
22,300.00	89.50	179.51	12,592.49	-9,454.77	-994.14	405,205.23	841,815.86	32.1102698	-103.3628680	9,506.68	0.00	0.00	0.00
22,400.00	89.50	179.51	12,593.36	-9,554.77	-993.28	405,105.23	841,816.72	32.1099949	-103.3628682	9,606.11	0.00	0.00	0.00
22,500.00	89.50	179.51	12,594.23	-9,654.76	-992.42	405,005.24	841,817.58	32.1097201	-103.3628683	9,705.54	0.00	0.00	0.00
22,600.00	89.50	179.51	12,595.10	-9,754.75	-991.56	404,905.25	841,818.44	32.1094452	-103.3628684	9,804.97	0.00	0.00	0.00
22,700.00	89.50	179.51	12,595.98	-9,854.74	-990.70	404,805.26	841,819.30	32.1091704	-103.3628686	9,904.39	0.00	0.00	0.00
22,800.00	89.50	179.51	12,596.85	-9,954.74	-989.84	404,705.26	841,820.16	32.1088955	-103.3628687	10,003.82	0.00	0.00	0.00
Junior Mint Fed 211H LTP													
22,897.27	89.50	179.51	12,597.70	-10,052.00	-989.00	404,608.00	841,821.00	32.1086281	-103.3628688	10,100.54	0.00	0.00	0.00

Total Directional
Planned Survey Report



Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 211H
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 211H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan 1	Database:	.Total Directional Production DB

Planned Survey

Measured			Vertical	Local Coordinates		Map Coordinates		Geo Coordinates		Vertical Dogleg	Build	Turn
Depth	INC	AZI	Depth	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Section	Rate	Rate
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(°)	(usft)	(°/100usft)	(°/100usft)
Junior Mint Fed 211H BHL												

Design Targets

Target Name		Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting		
- hit/miss target		(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	Latitude	Longitude
- Shape										
Junior Mint Fed 211H		0.00	0.00	11,938.00	404.00	-1,079.00	415,064.00	841,731.00	32.1373693	-103.3628553
- plan misses target center by 49.28usft at 12064.25usft MD (11938.07 TVD, 453.28 N, -1079.42 E)										
- Point										
Junior Mint Fed 211H		0.00	0.00	12,597.20	-9,957.00	-990.00	404,703.00	841,820.00	32.1088893	-103.3628693
- plan misses target center by 2.30usft at 22800.00usft MD (12596.85 TVD, -9954.74 N, -989.84 E)										
- Point										
Junior Mint Fed 211H		0.00	0.00	12,597.70	-10,052.00	-989.00	404,608.00	841,821.00	32.1086281	-103.3628688
- plan hits target center										
- Point										

Checked By: _____

Approved By: _____

Date: _____

Civitas Resources

Lea County, NM (NAD 83)
Junior Mint Fed Pad
Junior Mint Fed 211H

OH
Plan 1



Anticollision Report

Minimum Magnetic Interference Warning level is 50' center to center

25 March, 2025

Total Report Version 1.60

COMPASS 5000.16 Build 97

Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	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 211H					
Well Position	+N-S	0.00 usft	Northing:	414,660.00 usft	Latitude:	32.1362321
	+E-W	0.00 usft	Easting:	842,810.00 usft	Longitude:	-103.3593816
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	22,897.27	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									
Junior Mint Fed 131H -	3,221.00	3,247.00	414,635.00	842,835.00	32.1361627	-103.3593016	0.00	0.50	
Junior Mint Fed 132H -	3,220.00	3,246.00	414,820.00	842,835.00	32.1366712	-103.3592962	0.00	0.50	
Junior Mint Fed 133H -	3,223.00	3,249.00	415,726.00	845,129.00	32.1391042	-103.3518593	0.00	0.50	
Junior Mint Fed 134H -	3,221.00	3,247.00	415,566.00	845,129.00	32.1386644	-103.3518640	0.00	0.50	
Junior Mint Fed 135H -	3,220.00	3,246.00	414,660.00	842,835.00	32.1362315	-103.3593009	0.00	0.50	
Junior Mint Fed 137H -	3,220.00	3,246.00	414,845.00	842,835.00	32.1367399	-103.3592955	0.00	0.50	
Junior Mint Fed 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 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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	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						
Junior Mint Fed 131H - OH - Plan 1	300.00	300.00	35.36	31.39	8.92	CC, ES
Junior Mint Fed 131H - OH - Plan 1	22,897.27	22,485.80	472.48	290.01	2.59	SF
Junior Mint Fed 132H - OH - Plan 1	823.73	820.91	157.44	150.64	23.16	CC, ES
Junior Mint Fed 132H - OH - Plan 1	22,897.27	22,428.60	1,640.69	1,367.29	6.00	SF
Junior Mint Fed 133H - OH - Plan 1						Out of range
Junior Mint Fed 134H - OH - Plan 1						Out of range
Junior Mint Fed 135H - OH - Plan 1	300.00	299.00	25.00	21.04	6.32	CC, ES
Junior Mint Fed 135H - OH - Plan 1	22,897.27	22,411.61	1,011.66	752.30	3.90	SF
Junior Mint Fed 137H - OH - Plan 1	300.00	299.00	186.68	182.72	47.16	CC
Junior Mint Fed 137H - OH - Plan 1	400.00	397.20	186.82	182.16	40.09	ES
Junior Mint Fed 137H - OH - Plan 1	22,897.27	22,512.90	2,287.43	2,009.69	8.24	SF
Junior Mint Fed 138H - OH - Plan 1						Out of range
Junior Mint Fed 151H - OH - Plan 1	300.00	300.00	35.36	31.39	8.92	CC
Junior Mint Fed 151H - OH - Plan 1	400.00	399.99	35.87	31.20	7.68	ES
Junior Mint Fed 151H - OH - Plan 1	1,800.00	1,804.84	45.37	34.33	4.11	SF
Junior Mint Fed 152H - OH - Plan 1	300.00	299.00	211.48	207.52	53.43	CC
Junior Mint Fed 152H - OH - Plan 1	400.00	395.50	211.94	207.26	45.28	ES
Junior Mint Fed 152H - OH - Plan 1	22,897.27	21,935.47	1,713.00	1,464.62	6.90	SF
Junior Mint Fed 156H - OH - Plan 1						Out of range
Junior Mint Fed 158H - OH - Plan 1						Out of range
Junior Mint Fed 212H - OH - Plan 1	1,286.69	1,282.77	170.57	161.89	19.66	CC
Junior Mint Fed 212H - OH - Plan 1	1,300.00	1,296.01	170.57	161.86	19.57	ES
Junior Mint Fed 212H - OH - Plan 1	22,897.27	22,796.26	1,316.08	1,035.71	4.69	SF
Junior Mint Fed 213H - OH - Plan 1	4,203.63	4,718.87	2,370.96	2,346.97	98.85	CC, ES
Junior Mint Fed 213H - OH - Plan 1	5,000.00	5,222.04	2,422.36	2,395.24	89.35	SF
Junior Mint Fed 214H - OH - Plan 1						Out of range
Junior Mint Fed 215H - OH - Plan 1	300.00	299.00	25.00	21.04	6.32	CC
Junior Mint Fed 215H - OH - Plan 1	400.00	398.51	25.46	20.75	5.41	ES
Junior Mint Fed 215H - OH - Plan 1	22,897.27	22,806.75	707.03	428.46	2.54	SF
Junior Mint Fed 216H - OH - Plan 1						Out of range
Junior Mint Fed 217H - OH - Plan 1	1,127.70	1,123.57	195.73	187.69	24.34	CC, ES
Junior Mint Fed 217H - OH - Plan 1	22,897.27	22,875.30	2,027.10	1,746.03	7.21	SF
Junior Mint Fed 218H - OH - Plan 1						Out of range
Junior Mint Fed 221H - OH - Plan 1	300.00	300.00	25.00	21.04	6.31	CC
Junior Mint Fed 221H - OH - Plan 1	400.00	399.99	25.54	20.86	5.47	ES
Junior Mint Fed 221H - OH - Plan 1	22,897.27	23,190.65	474.30	262.83	2.24	SF
Junior Mint Fed 222H - OH - Plan 1	1,177.37	1,173.87	147.52	139.19	17.72	CC
Junior Mint Fed 222H - OH - Plan 1	1,252.78	1,249.00	147.67	139.09	17.21	ES
Junior Mint Fed 222H - OH - Plan 1	22,897.27	23,182.59	1,682.36	1,406.98	6.11	SF
Junior Mint Fed 223H - OH - Plan 1						Out of range
Junior Mint Fed 224H - OH - Plan 1						Out of range

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 131H - OH - Plan 1

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	Vertical	Measured	Vertical	Reference	Offset	Highside			Between	Between	Minimum	Separation	
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W	Centres	Ellipses	Separation	Factor	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
0.00	0.00	0.00	0.00	0.50	0.50	135.00	-25.00	25.00	35.36				

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 131H - OH - Plan 1

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)							Rule Assigned:			Offset Well Error:		0.50 usft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Major Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			Minimum Separation (usft)
100.00	100.00	100.00	100.00	0.98	0.98	135.00	-25.00	25.00	35.36	33.39	1.96	18.018	CC, ES
200.00	200.00	200.00	200.00	1.56	1.56	135.00	-25.00	25.00	35.36	32.23	3.12	11.324	
300.00	300.00	300.00	300.00	1.98	1.98	135.00	-25.00	25.00	35.36	31.39	3.96	8.923	
400.00	399.99	399.99	399.99	2.41	2.33	-158.55	-25.00	25.00	36.57	31.84	4.73	7.731	
500.00	499.91	499.91	499.91	2.78	2.63	-160.57	-25.00	25.00	40.25	34.85	5.40	7.453	
600.00	599.69	599.69	599.69	3.12	2.91	-163.23	-25.00	25.00	46.47	40.46	6.01	7.731	
633.33	632.91	632.91	632.91	3.15	2.99	-164.15	-25.00	25.00	49.12	42.99	6.13	8.015	CC, ES
700.00	699.32	699.32	699.32	3.26	3.16	-165.81	-25.00	25.00	54.73	48.33	6.41	8.543	
800.00	798.94	798.94	798.94	3.50	3.40	-167.75	-25.00	25.00	63.22	56.33	6.89	9.170	
900.00	898.56	898.56	898.56	3.74	3.62	-169.22	-25.00	25.00	71.76	64.40	7.36	9.751	
1,000.00	998.18	998.18	998.18	3.98	3.83	-170.38	-25.00	25.00	80.34	72.54	7.81	10.292	
1,100.00	1,097.80	1,097.80	1,097.80	4.21	4.03	-171.32	-25.00	25.00	88.95	80.71	8.24	10.799	
1,200.00	1,197.42	1,197.42	1,197.42	4.43	4.23	-172.09	-25.00	25.00	97.57	88.92	8.65	11.275	
1,252.78	1,250.00	1,250.00	1,250.00	4.50	4.33	-172.45	-25.00	25.00	102.13	93.31	8.82	11.577	
1,300.00	1,297.01	1,297.01	1,297.01	4.56	4.41	-172.75	-25.00	25.00	106.50	97.53	8.97	11.872	
1,400.00	1,396.38	1,396.38	1,396.38	4.82	4.59	-173.42	-25.00	25.00	117.67	108.25	9.42	12.496	
1,500.00	1,495.41	1,497.64	1,497.64	5.08	4.77	-174.12	-24.58	24.28	130.62	120.77	9.85	13.256	CC, ES
1,600.00	1,594.05	1,599.10	1,599.06	5.34	4.93	-174.81	-23.27	22.01	144.42	134.14	10.28	14.051	
1,700.00	1,692.22	1,700.69	1,700.56	5.60	5.10	-175.49	-21.05	18.17	159.07	148.37	10.70	14.869	
1,800.00	1,789.86	1,802.42	1,802.09	5.85	5.27	-176.15	-17.92	12.77	174.57	163.45	11.11	15.706	
1,819.64	1,808.97	1,822.42	1,822.04	5.87	5.30	-176.27	-17.20	11.53	177.71	166.54	11.17	15.907	
1,900.00	1,887.11	1,904.43	1,903.78	6.02	5.44	-176.78	-13.88	5.79	190.08	178.63	11.45	16.597	
2,000.00	1,984.35	2,006.97	2,005.84	6.24	5.61	-177.36	-8.91	-2.80	203.90	192.07	11.83	17.229	
2,100.00	2,081.58	2,109.98	2,108.17	6.46	5.78	-177.92	-2.99	-13.02	215.97	203.75	12.22	17.676	
2,200.00	2,178.82	2,213.41	2,210.68	6.68	5.95	-178.46	3.88	-24.89	226.27	213.67	12.60	17.954	
2,300.00	2,276.06	2,317.17	2,313.26	6.90	6.13	-179.00	11.70	-38.40	234.81	221.82	12.99	18.076	
2,400.00	2,373.29	2,421.22	2,415.82	7.15	6.31	-179.56	20.48	-53.56	241.56	228.18	13.38	18.056	CC, ES
2,500.00	2,470.53	2,525.48	2,518.25	7.41	6.50	-179.86	30.20	-70.36	246.53	232.76	13.77	17.907	
2,600.00	2,567.76	2,629.88	2,620.45	7.70	6.69	-179.24	40.88	-88.80	249.73	235.57	14.16	17.638	
2,700.00	2,665.00	2,733.96	2,721.95	7.99	6.87	-178.58	52.45	-108.78	251.15	236.62	14.53	17.288	
2,800.00	2,762.23	2,833.92	2,819.24	8.28	7.06	-177.92	63.93	-128.62	251.85	236.94	14.92	16.884	
2,900.00	2,859.47	2,933.88	2,916.53	8.58	7.28	-177.27	75.41	-148.45	252.59	237.26	15.33	16.475	
3,000.00	2,956.71	3,033.83	3,013.83	8.88	7.51	-176.62	86.89	-168.28	253.36	237.61	15.75	16.088	
3,100.00	3,053.94	3,133.79	3,111.12	9.18	7.74	-175.97	98.37	-188.12	254.16	237.99	16.17	15.720	
3,200.00	3,151.18	3,233.74	3,208.41	9.48	7.98	-175.33	109.86	-207.95	254.99	238.40	16.59	15.371	
3,300.00	3,248.41	3,333.70	3,305.70	9.79	8.23	-174.69	121.34	-227.79	255.85	238.84	17.01	15.039	
3,400.00	3,345.65	3,433.65	3,403.00	10.09	8.48	-174.06	132.82	-247.62	256.75	239.31	17.44	14.723	CC, ES
3,500.00	3,442.88	3,533.61	3,500.29	10.40	8.74	-173.43	144.30	-267.45	257.68	239.81	17.87	14.422	
3,600.00	3,540.12	3,633.57	3,597.58	10.70	9.00	-172.80	155.78	-287.29	258.64	240.34	18.30	14.135	
3,700.00	3,637.36	3,733.52	3,694.88	11.01	9.26	-172.18	167.26	-307.12	259.62	240.89	18.73	13.861	
3,800.00	3,734.59	3,833.48	3,792.17	11.32	9.52	-171.57	178.75	-326.96	260.64	241.48	19.17	13.599	
3,900.00	3,831.83	3,933.43	3,889.46	11.63	9.79	-170.96	190.23	-346.79	261.69	242.09	19.60	13.349	
4,000.00	3,929.06	4,033.39	3,986.76	11.94	10.06	-170.35	201.71	-366.62	262.77	242.73	20.04	13.110	
4,100.00	4,026.30	4,133.35	4,084.05	12.25	10.34	-169.75	213.19	-386.46	263.88	243.39	20.49	12.881	
4,200.00	4,123.54	4,233.30	4,181.34	12.56	10.61	-169.16	224.67	-406.29	265.01	244.08	20.93	12.661	
4,300.00	4,220.77	4,333.26	4,278.64	12.87	10.89	-168.57	236.16	-426.13	266.18	244.80	21.38	12.450	
4,400.00	4,318.01	4,433.21	4,375.93	13.18	11.17	-167.98	247.64	-445.96	267.37	245.54	21.83	12.248	CC, ES
4,500.00	4,415.24	4,533.17	4,473.22	13.50	11.45	-167.40	259.12	-465.79	268.59	246.30	22.28	12.054	
4,600.00	4,512.48	4,633.12	4,570.51	13.81	11.73	-166.83	270.60	-485.63	269.83	247.10	22.74	11.867	
4,700.00	4,609.71	4,733.08	4,667.81	14.12	12.02	-166.26	282.08	-505.46	271.11	247.91	23.20	11.687	
4,800.00	4,706.95	4,833.04	4,765.10	14.43	12.30	-165.70	293.57	-525.30	272.41	248.75	23.66	11.514	
4,900.00	4,804.19	4,932.99	4,862.39	14.75	12.59	-165.14	305.05	-545.13	273.73	249.61	24.12	11.348	

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 131H - OH - Plan 1

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)												Rule Assigned:			
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)							
5,000.00	4,901.42	5,032.95	4,959.69	15.06	12.88	164.59	316.53	-564.97	275.09	250.50	24.59	11.187			
5,100.00	4,998.66	5,132.90	5,056.98	15.38	13.17	164.04	328.01	-584.80	276.46	251.40	25.06	11.033			
5,200.00	5,095.89	5,232.86	5,154.27	15.69	13.46	163.50	339.49	-604.63	277.87	252.33	25.53	10.883			
5,300.00	5,193.13	5,332.82	5,251.57	16.00	13.75	162.96	350.98	-624.47	279.29	253.29	26.01	10.739			
5,400.00	5,290.37	5,432.77	5,348.86	16.32	14.04	162.43	362.46	-644.30	280.74	254.26	26.48	10.600			
5,500.00	5,387.60	5,532.73	5,446.15	16.63	14.33	161.91	373.94	-664.14	282.22	255.26	26.96	10.468			
5,600.00	5,484.84	5,630.17	5,541.07	16.95	14.59	161.42	385.00	-683.24	283.98	256.56	27.42	10.356			
5,697.99	5,580.12	5,723.90	5,632.66	17.26	14.85	161.09	394.94	-700.41	287.05	259.17	27.88	10.297			
5,700.00	5,582.07	5,725.82	5,634.55	17.26	14.86	161.09	395.14	-700.75	287.13	259.24	27.89	10.297			
5,800.00	5,679.61	5,821.43	5,728.31	17.56	15.11	160.83	404.49	-716.91	290.49	262.15	28.35	10.247			
5,900.00	5,777.70	5,917.03	5,822.37	17.84	15.35	160.54	413.05	-731.70	292.90	264.10	28.79	10.172			
6,000.00	5,876.26	6,012.63	5,916.70	18.08	15.56	160.24	420.83	-745.14	294.33	265.10	29.22	10.072			
6,100.00	5,975.23	6,108.24	6,011.28	18.30	15.77	159.91	427.82	-757.21	294.79	265.16	29.63	9.948			
6,200.00	6,074.54	6,203.86	6,106.10	18.48	15.95	159.54	434.02	-767.92	294.29	264.27	30.02	9.803			
6,300.00	6,174.12	6,300.00	6,201.63	18.64	16.13	159.15	439.45	-777.30	292.83	262.44	30.39	9.635			
6,400.00	6,273.91	6,395.15	6,296.33	18.77	16.28	158.71	444.04	-785.22	290.42	259.68	30.73	9.450			
6,500.00	6,373.83	6,490.83	6,391.72	18.87	16.42	158.24	447.85	-791.81	287.04	255.99	31.05	9.244			
6,598.18	6,472.00	6,584.81	6,485.51	18.95	16.54	90.50	450.82	-796.94	282.81	251.52	31.29	9.038			
6,600.00	6,473.82	6,586.55	6,487.24	18.95	16.54	90.49	450.87	-797.03	282.72	251.43	31.29	9.035			
6,700.00	6,573.82	6,682.37	6,582.96	19.00	16.65	90.04	453.09	-800.86	278.71	247.23	31.48	8.853			
6,800.00	6,673.82	6,778.31	6,678.86	19.05	16.74	89.75	454.51	-803.31	276.16	244.51	31.65	8.727			
6,900.00	6,773.82	6,874.32	6,774.86	19.11	16.81	89.62	455.12	-804.37	275.06	243.29	31.77	8.658			
6,945.16	6,818.97	6,918.44	6,818.97	19.13	16.84	89.61	455.15	-804.42	275.01	243.19	31.82	8.643			
7,000.00	6,873.82	6,973.28	6,873.82	19.16	16.88	89.61	455.15	-804.42	275.01	243.12	31.89	8.625			
7,100.00	6,973.82	7,073.28	6,973.82	19.22	16.94	89.61	455.15	-804.42	275.01	243.00	32.01	8.592			
7,200.00	7,073.82	7,173.28	7,073.82	19.27	17.01	89.61	455.15	-804.42	275.01	242.88	32.13	8.560			
7,300.00	7,173.82	7,273.28	7,173.82	19.33	17.07	89.61	455.15	-804.42	275.01	242.76	32.25	8.528			
7,400.00	7,273.82	7,373.28	7,273.82	19.38	17.13	89.61	455.15	-804.42	275.01	242.64	32.37	8.496			
7,500.00	7,373.82	7,473.28	7,373.82	19.44	17.20	89.61	455.15	-804.42	275.01	242.52	32.49	8.464			
7,600.00	7,473.82	7,573.28	7,473.82	19.49	17.26	89.61	455.15	-804.42	275.01	242.39	32.61	8.433			
7,700.00	7,573.82	7,673.28	7,573.82	19.55	17.33	89.61	455.15	-804.42	275.01	242.27	32.73	8.401			
7,800.00	7,673.82	7,773.28	7,673.82	19.60	17.39	89.61	455.15	-804.42	275.01	242.15	32.86	8.370			
7,900.00	7,773.82	7,873.28	7,773.82	19.66	17.46	89.61	455.15	-804.42	275.01	242.03	32.98	8.338			
8,000.00	7,873.82	7,973.28	7,873.82	19.72	17.52	89.61	455.15	-804.42	275.01	241.90	33.10	8.307			
8,100.00	7,973.82	8,073.28	7,973.82	19.77	17.59	89.61	455.15	-804.42	275.01	241.78	33.23	8.276			
8,200.00	8,073.82	8,173.28	8,073.82	19.83	17.66	89.61	455.15	-804.42	275.01	241.65	33.35	8.245			
8,300.00	8,173.82	8,273.28	8,173.82	19.89	17.72	89.61	455.15	-804.42	275.01	241.53	33.48	8.215			
8,400.00	8,273.82	8,373.28	8,273.82	19.94	17.79	89.61	455.15	-804.42	275.01	241.40	33.60	8.184			
8,500.00	8,373.82	8,473.28	8,373.82	20.00	17.85	89.61	455.15	-804.42	275.01	241.28	33.73	8.154			
8,600.00	8,473.82	8,573.28	8,473.82	20.06	17.92	89.61	455.15	-804.42	275.01	241.15	33.85	8.124			
8,700.00	8,573.82	8,673.28	8,573.82	20.11	17.99	89.61	455.15	-804.42	275.01	241.03	33.98	8.094			
8,800.00	8,673.82	8,773.28	8,673.82	20.17	18.05	89.61	455.15	-804.42	275.01	240.90	34.10	8.064			
8,900.00	8,773.82	8,873.28	8,773.82	20.23	18.12	89.61	455.15	-804.42	275.01	240.78	34.23	8.034			
9,000.00	8,873.82	8,973.28	8,873.82	20.29	18.18	89.61	455.15	-804.42	275.01	240.65	34.36	8.004			
9,100.00	8,973.82	9,073.28	8,973.82	20.35	18.25	89.61	455.15	-804.42	275.01	240.52	34.48	7.975			
9,200.00	9,073.82	9,173.28	9,073.82	20.40	18.32	89.61	455.15	-804.42	275.01	240.39	34.61	7.945			
9,300.00	9,173.82	9,273.28	9,173.82	20.46	18.39	89.61	455.15	-804.42	275.01	240.27	34.74	7.916			
9,400.00	9,273.82	9,373.28	9,273.82	20.52	18.45	89.61	455.15	-804.42	275.01	240.14	34.87	7.887			
9,500.00	9,373.82	9,473.28	9,373.82	20.58	18.52	89.61	455.15	-804.42	275.01	240.01	35.00	7.858			
9,600.00	9,473.82	9,573.28	9,473.82	20.64	18.59	89.61	455.15	-804.42	275.01	239.88	35.12	7.830			
9,700.00	9,573.82	9,673.28	9,573.82	20.70	18.65	89.61	455.15	-804.42	275.01	239.75	35.25	7.801			
9,800.00	9,673.82	9,773.28	9,673.82	20.76	18.72	89.61	455.15	-804.42	275.01	239.62	35.38	7.773			

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 131H - OH - Plan 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)													Offset Well Error:	0.50 usft
Reference 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: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)						
9,900.00	9,773.82	9,873.28	9,773.82	20.82	18.79	89.61	455.15	-804.42	275.01	239.50	35.51	7.744		
10,000.00	9,873.82	9,973.28	9,873.82	20.87	18.86	89.61	455.15	-804.42	275.01	239.37	35.64	7.716		
10,100.00	9,973.82	10,073.28	9,973.82	20.93	18.93	89.61	455.15	-804.42	275.01	239.24	35.77	7.688		
10,200.00	10,073.82	10,173.28	10,073.82	20.99	18.99	89.61	455.15	-804.42	275.01	239.11	35.90	7.660		
10,300.00	10,173.82	10,273.28	10,173.82	21.05	19.06	89.61	455.15	-804.42	275.01	238.98	36.03	7.632		
10,400.00	10,273.82	10,373.28	10,273.82	21.11	19.13	89.61	455.15	-804.42	275.01	238.84	36.16	7.605		
10,500.00	10,373.82	10,473.28	10,373.82	21.17	19.20	89.61	455.15	-804.42	275.01	238.71	36.29	7.577		
10,600.00	10,473.82	10,573.28	10,473.82	21.23	19.27	89.61	455.15	-804.42	275.01	238.58	36.42	7.550		
10,700.00	10,573.82	10,673.28	10,573.82	21.30	19.34	89.61	455.15	-804.42	275.01	238.45	36.56	7.523		
10,800.00	10,673.82	10,773.28	10,673.82	21.36	19.40	89.61	455.15	-804.42	275.01	238.32	36.69	7.496		
10,900.00	10,773.82	10,873.28	10,773.82	21.42	19.47	89.61	455.15	-804.42	275.01	238.19	36.82	7.469		
11,000.00	10,873.82	10,973.28	10,873.82	21.48	19.54	89.61	455.15	-804.42	275.01	238.06	36.95	7.442		
11,100.00	10,973.82	11,073.28	10,973.82	21.54	19.61	89.61	455.15	-804.42	275.01	237.92	37.08	7.416		
11,200.00	11,073.82	11,173.28	11,073.82	21.60	19.68	89.61	455.15	-804.42	275.01	237.79	37.22	7.389		
11,300.00	11,173.82	11,273.28	11,173.82	21.66	19.75	89.61	455.15	-804.42	275.01	237.66	37.35	7.363		
11,400.00	11,273.82	11,373.28	11,273.82	21.72	19.82	89.61	455.15	-804.42	275.01	237.52	37.48	7.337		
11,500.00	11,373.82	11,473.28	11,373.82	21.78	19.89	89.61	455.15	-804.42	275.01	237.39	37.62	7.311		
11,600.00	11,473.82	11,573.28	11,473.82	21.85	19.96	89.61	455.15	-804.42	275.01	237.26	37.75	7.285		
11,610.42	11,484.24	11,583.70	11,484.24	21.85	19.96	89.61	455.15	-804.42	275.01	237.24	37.76	7.282		
11,700.00	11,573.82	11,673.28	11,573.79	21.91	20.02	89.68	454.81	-804.42	275.01	237.15	37.85	7.265		
11,800.00	11,673.82	11,771.48	11,671.18	21.97	20.05	92.13	443.04	-804.32	275.31	237.57	37.74	7.295		
11,900.00	11,773.82	11,863.19	11,759.08	22.03	20.04	97.47	417.19	-804.09	278.07	240.54	37.53	7.410		
12,000.00	11,873.82	11,944.95	11,833.07	22.09	20.00	104.38	382.59	-803.80	287.45	249.82	37.62	7.640		
12,064.18	11,938.00	11,991.54	11,872.79	22.12	19.98	109.01	358.27	-803.59	298.94	260.89	38.05	7.856		
12,100.00	11,973.80	12,016.06	11,892.87	22.13	19.97	-67.28	344.20	-803.46	307.16	268.75	38.42	7.996		
12,150.00	12,023.50	12,050.00	11,919.63	22.15	19.95	-63.02	323.33	-803.29	319.80	280.77	39.03	8.193		
12,200.00	12,072.55	12,082.77	11,944.25	22.16	19.94	-59.16	301.71	-803.10	333.34	293.57	39.77	8.382		
12,250.00	12,120.58	12,115.33	11,967.44	22.16	19.92	-55.63	278.87	-802.90	347.37	306.79	40.57	8.562		
12,300.00	12,167.22	12,150.00	11,990.68	22.15	19.91	-52.32	253.14	-802.68	361.55	320.20	41.35	8.744		
12,350.00	12,212.11	12,179.21	12,009.01	22.13	19.91	-49.65	230.41	-802.49	375.55	333.28	42.27	8.885		
12,400.00	12,254.92	12,210.64	12,027.42	22.11	19.90	-47.16	204.94	-802.27	389.15	346.05	43.10	9.028		
12,450.00	12,295.31	12,250.00	12,048.45	22.09	19.91	-44.67	171.68	-801.98	402.27	358.53	43.74	9.196		
12,500.00	12,332.99	12,272.69	12,059.53	22.08	19.91	-43.07	151.87	-801.81	414.35	369.65	44.70	9.270		
12,550.00	12,367.66	12,300.00	12,071.80	22.06	19.92	-41.51	127.48	-801.60	425.66	380.16	45.50	9.355		
12,600.00	12,399.06	12,333.92	12,085.41	22.06	19.94	-40.02	96.42	-801.33	435.88	389.77	46.11	9.452		
12,650.00	12,426.95	12,364.29	12,096.01	22.07	19.97	-38.84	67.96	-801.09	444.99	398.26	46.73	9.522		
12,700.00	12,451.12	12,400.00	12,106.53	22.09	20.00	-37.78	33.84	-800.79	452.93	405.72	47.21	9.593		
12,750.00	12,471.39	12,424.69	12,112.55	22.12	20.03	-37.07	9.90	-800.59	459.48	411.72	47.76	9.620		
12,800.00	12,487.60	12,450.00	12,117.64	22.18	20.07	-36.50	-14.89	-800.37	464.80	416.60	48.20	9.642		
12,850.00	12,499.62	12,484.77	12,122.84	22.25	20.12	-36.02	-49.26	-800.08	468.67	420.18	48.49	9.666		
12,900.00	12,507.37	12,514.73	12,125.65	22.35	20.18	-35.74	-79.09	-799.82	471.17	422.45	48.72	9.671		
12,950.00	12,510.78	12,548.47	12,126.94	22.46	20.25	-35.61	-112.80	-799.53	472.29	423.43	48.86	9.665		
12,950.56	12,510.80	12,548.47	12,126.94	22.47	20.25	-35.61	-112.80	-799.53	472.29	423.43	48.87	9.665		
12,959.18	12,510.94	12,551.31	12,126.96	22.49	20.26	-35.61	-115.63	-799.51	472.31	423.43	48.88	9.663		
13,000.00	12,511.29	12,592.13	12,127.32	22.60	20.35	-35.61	-156.45	-799.16	472.31	423.42	48.89	9.660		
13,100.00	12,512.17	12,692.13	12,128.19	22.92	20.63	-35.61	-256.44	-798.29	472.31	423.32	48.99	9.640		
13,200.00	12,513.04	12,792.13	12,129.06	23.29	20.98	-35.61	-356.43	-797.43	472.31	423.16	49.15	9.609		
13,300.00	12,513.91	12,892.13	12,129.93	23.73	21.38	-35.61	-456.43	-796.57	472.32	422.94	49.38	9.566		
13,400.00	12,514.78	12,992.13	12,130.80	24.22	21.85	-35.61	-556.42	-795.71	472.32	422.66	49.66	9.511		
13,500.00	12,515.66	13,092.13	12,131.67	24.77	22.38	-35.61	-656.41	-794.85	472.32	422.31	50.01	9.445		
13,600.00	12,516.53	13,192.13	12,132.54	25.36	22.97	-35.61	-756.40	-793.99	472.32	421.91	50.41	9.370		
13,700.00	12,517.40	13,292.13	12,133.41	26.00	23.62	-35.61	-856.40	-793.13	472.32	421.45	50.87	9.285		

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 131H - OH - Plan 1

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)		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)			
19,000.00	12,563.68	18,592.13	12,179.58	87.76	86.79	-35.60	-6,156.00	-747.51	472.41	354.42	117.98	4.004			
19,100.00	12,564.55	18,692.13	12,180.46	89.08	88.13	-35.60	-6,255.99	-746.65	472.41	352.82	119.59	3.950			
19,200.00	12,565.42	18,792.13	12,181.33	90.41	89.46	-35.60	-6,355.99	-745.79	472.41	351.22	121.19	3.898			
19,300.00	12,566.29	18,892.13	12,182.20	91.73	90.80	-35.60	-6,455.98	-744.93	472.41	349.61	122.81	3.847			
19,400.00	12,567.17	18,992.13	12,183.07	93.06	92.13	-35.60	-6,555.97	-744.07	472.41	347.99	124.42	3.797			
19,500.00	12,568.04	19,092.13	12,183.94	94.39	93.47	-35.60	-6,655.96	-743.21	472.42	346.37	126.04	3.748			
19,600.00	12,568.91	19,192.13	12,184.81	95.72	94.81	-35.60	-6,755.96	-742.35	472.42	344.75	127.66	3.700			
19,700.00	12,569.79	19,292.13	12,185.68	97.05	96.15	-35.60	-6,855.95	-741.49	472.42	343.13	129.29	3.654			
19,800.00	12,570.66	19,392.13	12,186.55	98.38	97.49	-35.60	-6,955.94	-740.63	472.42	341.50	130.92	3.608			
19,900.00	12,571.53	19,492.13	12,187.42	99.71	98.83	-35.60	-7,055.93	-739.76	472.42	339.87	132.55	3.564			
20,000.00	12,572.41	19,592.13	12,188.30	101.04	100.17	-35.60	-7,155.93	-738.90	472.42	338.23	134.19	3.521			
20,100.00	12,573.28	19,692.13	12,189.17	102.38	101.51	-35.60	-7,255.92	-738.04	472.42	336.60	135.83	3.478			
20,200.00	12,574.15	19,792.13	12,190.04	103.71	102.86	-35.60	-7,355.91	-737.18	472.43	334.96	137.47	3.437			
20,300.00	12,575.02	19,892.13	12,190.91	105.05	104.20	-35.60	-7,455.90	-736.32	472.43	333.31	139.12	3.396			
20,400.00	12,575.90	19,992.13	12,191.78	106.39	105.54	-35.60	-7,555.90	-735.46	472.43	331.67	140.76	3.356			
20,500.00	12,576.77	20,092.13	12,192.65	107.72	106.89	-35.60	-7,655.89	-734.60	472.43	330.02	142.41	3.317			
20,600.00	12,577.64	20,192.13	12,193.52	109.06	108.23	-35.60	-7,755.88	-733.74	472.43	328.36	144.07	3.279			
20,700.00	12,578.52	20,292.13	12,194.39	110.40	109.58	-35.60	-7,855.87	-732.88	472.43	326.71	145.72	3.242			
20,800.00	12,579.39	20,392.13	12,195.26	111.74	110.93	-35.60	-7,955.87	-732.02	472.44	325.05	147.38	3.206			
20,900.00	12,580.26	20,492.13	12,196.14	113.08	112.28	-35.60	-8,055.86	-731.16	472.44	323.40	149.04	3.170			
21,000.00	12,581.14	20,592.13	12,197.01	114.43	113.62	-35.60	-8,155.85	-730.30	472.44	321.73	150.70	3.135			
21,100.00	12,582.01	20,692.13	12,197.88	115.77	114.97	-35.60	-8,255.84	-729.44	472.44	320.07	152.37	3.101			
21,200.00	12,582.88	20,792.13	12,198.75	117.11	116.32	-35.60	-8,355.84	-728.57	472.44	318.41	154.04	3.067			
21,300.00	12,583.76	20,892.13	12,199.62	118.45	117.67	-35.60	-8,455.83	-727.71	472.44	316.74	155.70	3.034			
21,400.00	12,584.63	20,992.13	12,200.49	119.80	119.02	-35.60	-8,555.82	-726.85	472.45	315.07	157.38	3.002			
21,500.00	12,585.50	21,092.13	12,201.36	121.14	120.37	-35.60	-8,655.81	-725.99	472.45	313.40	159.05	2.970			
21,600.00	12,586.37	21,192.13	12,202.23	122.49	121.72	-35.60	-8,755.81	-725.13	472.45	311.73	160.72	2.940			
21,700.00	12,587.25	21,292.13	12,203.11	123.83	123.07	-35.60	-8,855.80	-724.27	472.45	310.05	162.40	2.909			
21,800.00	12,588.12	21,392.13	12,203.98	125.18	124.43	-35.60	-8,955.79	-723.41	472.45	308.38	164.08	2.879			
21,900.00	12,588.99	21,492.13	12,204.85	126.53	125.78	-35.60	-9,055.78	-722.55	472.45	306.70	165.76	2.850			
22,000.00	12,589.87	21,592.13	12,205.72	127.87	127.13	-35.60	-9,155.78	-721.69	472.46	305.02	167.44	2.822			
22,100.00	12,590.74	21,692.13	12,206.59	129.22	128.48	-35.60	-9,255.77	-720.83	472.46	303.34	169.12	2.794			
22,200.00	12,591.61	21,792.13	12,207.46	130.57	129.84	-35.60	-9,355.76	-719.97	472.46	301.65	170.80	2.766			
22,300.00	12,592.49	21,892.13	12,208.33	131.92	131.19	-35.60	-9,455.75	-719.11	472.46	299.97	172.49	2.739			
22,400.00	12,593.36	21,992.13	12,209.20	133.27	132.54	-35.60	-9,555.75	-718.25	472.46	298.28	174.18	2.713			
22,500.00	12,594.23	22,092.13	12,210.07	134.62	133.90	-35.60	-9,655.74	-717.39	472.46	296.60	175.87	2.687			
22,600.00	12,595.10	22,192.13	12,210.95	135.97	135.25	-35.60	-9,755.73	-716.52	472.47	294.91	177.56	2.661			
22,700.00	12,595.98	22,292.13	12,211.82	137.32	136.61	-35.60	-9,855.72	-715.66	472.47	293.22	179.25	2.636			
22,800.00	12,596.85	22,392.13	12,212.69	138.67	137.96	-35.60	-9,955.72	-714.80	472.47	291.53	180.94	2.611			
22,809.51	12,596.93	22,401.64	12,212.77	138.80	138.09	-35.60	-9,965.22	-714.72	472.47	291.37	181.10	2.609			
22,897.27	12,597.70	22,485.80	12,213.50	139.98	139.26	-35.60	-10,049.37	-714.00	472.48	290.01	182.47	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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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	8.88	160.00	25.00	161.94	159.99	1.95	82.837			
100.00	100.00	99.00	99.00	0.98	0.97	8.88	160.00	25.00	161.94	158.83	3.12	51.967			
200.00	200.00	199.00	199.00	1.56	1.56	8.88	160.00	25.00	161.94	157.98	3.96	40.914			
300.00	300.00	299.00	299.00	1.98	1.98	8.88	160.00	25.00	161.94	156.97	4.66	34.705			
400.00	399.99	398.99	398.99	2.41	2.33	76.56	160.00	25.00	161.63	155.50	5.27	30.527			
500.00	499.91	498.91	498.91	2.78	2.63	77.93	160.00	25.00	160.76	153.71	5.82	27.428			
600.00	599.69	598.69	598.69	3.12	2.91	80.24	160.00	25.00	159.52	153.15	5.93	26.842			
633.33	632.91	631.91	631.91	3.15	2.99	81.22	160.00	25.00	159.08	152.09	6.20	25.536			
700.00	699.32	698.32	698.32	3.26	3.16	83.29	160.00	25.00	158.29	150.82	6.69	23.561			
800.00	798.94	797.94	797.94	3.50	3.40	86.43	160.00	25.00	157.51	150.64	6.80	23.162	CC, ES		
823.73	822.59	820.91	820.91	3.56	3.46	87.17	160.03	25.05	157.44	151.01	7.17	22.063			
900.00	898.56	894.39	894.38	3.74	3.66	89.74	160.61	25.99	158.18	153.91	7.64	21.157			
1,000.00	998.18	990.41	990.33	3.98	3.91	93.45	162.50	29.03	161.54	159.72	8.09	20.751			
1,100.00	1,097.80	1,085.95	1,085.68	4.21	4.15	97.37	165.64	34.09	167.81	168.41	8.43	20.987			
1,200.00	1,197.42	1,182.91	1,182.29	4.43	4.27	101.33	169.94	41.03	176.84	173.50	8.58	21.214			
1,252.78	1,250.00	1,235.05	1,234.24	4.50	4.36	103.32	172.33	44.89	182.08	178.29	8.73	21.419			
1,300.00	1,297.01	1,281.67	1,280.68	4.56	4.45	105.02	174.47	48.34	187.03	189.50	9.16	21.695			
1,400.00	1,396.38	1,380.08	1,378.72	4.82	4.64	108.81	178.99	55.63	198.65	202.54	9.59	22.122			
1,500.00	1,495.41	1,478.04	1,476.30	5.08	4.83	112.77	183.49	62.89	212.13	217.72	10.03	22.711			
1,600.00	1,594.05	1,575.47	1,573.37	5.34	5.02	116.78	187.97	70.10	227.75	235.28	10.47	23.464			
1,700.00	1,692.22	1,672.31	1,669.84	5.60	5.20	120.71	192.41	77.28	245.76	255.42	10.92	24.380			
1,800.00	1,789.86	1,768.49	1,765.65	5.85	5.39	124.50	196.83	84.40	266.34	270.70	10.99	24.626			
1,819.64	1,808.97	1,787.30	1,784.39	5.87	5.42	125.22	197.69	85.79	270.70	277.81	11.32	25.544			
1,900.00	1,887.11	1,864.19	1,860.99	6.02	5.57	128.19	201.23	91.49	289.13	301.23	11.75	26.638			
2,000.00	1,984.35	1,959.88	1,956.31	6.24	5.75	131.40	205.62	98.58	312.98	325.47	12.17	27.738			
2,100.00	2,081.58	2,055.57	2,051.63	6.46	5.93	134.15	210.01	105.67	337.64	350.36	12.59	28.820			
2,200.00	2,178.82	2,151.25	2,146.96	6.68	6.11	136.54	214.41	112.75	362.96	375.94	13.00	29.927			
2,300.00	2,276.06	2,244.32	2,239.66	6.90	6.28	138.56	218.76	119.76	388.94	403.18	13.37	31.151			
2,400.00	2,373.29	2,333.63	2,328.50	7.15	6.45	140.22	223.55	127.49	416.55	432.15	13.75	32.437			
2,500.00	2,470.53	2,422.24	2,416.50	7.41	6.62	141.62	229.02	136.33	445.90	462.76	14.12	33.782			
2,600.00	2,567.76	2,510.11	2,503.59	7.70	6.79	142.79	235.16	146.22	476.87	494.90	14.50	35.135			
2,700.00	2,665.00	2,600.00	2,592.49	7.99	6.96	143.80	242.17	157.52	509.40	528.52	14.85	36.601			
2,800.00	2,762.23	2,683.53	2,674.91	8.28	7.12	144.58	249.33	169.09	543.37	563.55	15.21	38.059			
2,900.00	2,859.47	2,769.02	2,759.04	8.58	7.29	145.25	257.32	181.98	578.75	599.92	15.57	39.534			
3,000.00	2,956.71	2,853.67	2,842.11	8.88	7.46	145.79	265.89	195.79	615.49	637.49	15.95	40.973			
3,100.00	3,053.94	2,940.95	2,927.54	9.18	7.64	146.25	275.33	211.02	653.43	675.28	16.36	42.284			
3,200.00	3,151.18	3,033.25	3,017.82	9.48	7.82	146.67	285.44	227.33	691.64	713.10	16.77	43.521			
3,300.00	3,248.41	3,125.55	3,108.11	9.79	8.00	147.05	295.54	243.63	729.87	750.95	17.19	44.695			
3,400.00	3,345.65	3,217.85	3,198.39	10.09	8.19	147.39	305.65	259.93	768.13	788.81	17.60	45.811			
3,500.00	3,442.88	3,310.15	3,288.68	10.40	8.38	147.70	315.76	276.24	806.41	826.69	18.02	46.874			
3,600.00	3,540.12	3,402.45	3,378.96	10.70	8.57	147.98	325.87	292.54	844.71	864.58	18.44	47.885			
3,700.00	3,637.36	3,494.75	3,469.25	11.01	8.76	148.24	335.97	308.85	883.02	902.49	18.86	48.849			
3,800.00	3,734.59	3,587.05	3,559.53	11.32	8.96	148.47	346.08	325.15	921.35	940.41	19.28	49.769			
3,900.00	3,831.83	3,679.35	3,649.81	11.63	9.16	148.69	356.19	341.45	959.69	978.34	19.71	50.646			
4,000.00	3,929.06	3,771.65	3,740.10	11.94	9.37	148.89	366.29	357.76	998.04	1,016.27	20.13	51.485			
4,100.00	4,026.30	3,863.95	3,830.38	12.25	9.59	149.07	376.40	374.06	1,036.40	1,054.22	20.56	52.286			
4,200.00	4,123.54	3,956.25	3,920.67	12.56	9.81	149.25	386.51	390.37	1,074.77	1,092.18	20.97	53.094			
4,300.00	4,220.77	4,048.55	4,010.95	12.87	10.02	149.41	396.62	406.67	1,113.15	1,129.50	21.45	53.647			
4,400.00	4,318.01	4,158.04	4,118.21	13.18	10.26	149.60	408.20	425.36	1,150.95	1,165.15	21.98	54.014			
4,500.00	4,415.24	4,272.17	4,230.44	13.50	10.52	149.84	419.13	442.99	1,187.13	1,199.14	22.50	54.306			
4,600.00	4,512.48	4,387.79	4,344.52	13.81	10.78	150.11	429.01	458.92	1,221.63						
4,700.00	4,609.71	4,504.82	4,460.36	14.12	11.02	150.42	437.76	473.04	1,254.44						

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 132H - OH - Plan 1														Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)														Offset Well Error:	0.50 usft
Reference Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)							
4,800.00	4,706.95	4,623.19	4,577.85	14.43	11.24	150.76	445.35	485.28	1,285.53	1,262.03		23.50	54.700		
4,900.00	4,804.19	4,742.82	4,696.87	14.75	11.45	151.14	451.71	495.55	1,314.88	1,290.89		23.99	54.816		
5,000.00	4,901.42	4,863.62	4,817.28	15.06	11.64	151.55	456.81	503.77	1,342.48	1,318.02		24.46	54.887		
5,100.00	4,998.66	4,985.51	4,938.96	15.38	11.81	152.00	460.60	509.88	1,368.31	1,343.39		24.91	54.920		
5,200.00	5,095.89	5,108.39	5,061.75	15.69	11.98	152.48	463.04	513.81	1,392.36	1,367.01		25.35	54.923		
5,300.00	5,193.13	5,232.16	5,185.49	16.00	12.11	153.00	464.09	515.51	1,414.64	1,388.89		25.74	54.953		
5,400.00	5,290.37	5,336.03	5,289.37	16.32	12.17	153.44	464.13	515.58	1,435.66	1,409.62		26.03	55.147		
5,500.00	5,387.60	5,433.26	5,386.60	16.63	12.25	153.85	464.13	515.58	1,456.69	1,430.36		26.33	55.320		
5,600.00	5,484.84	5,530.50	5,483.84	16.95	12.33	154.25	464.13	515.58	1,477.80	1,451.17		26.63	55.491		
5,697.99	5,580.12	5,625.78	5,579.12	17.26	12.41	154.63	464.13	515.58	1,498.54	1,471.62		26.92	55.661		
5,700.00	5,582.07	5,627.73	5,581.07	17.26	12.41	154.64	464.13	515.58	1,498.97	1,472.04		26.93	55.667		
5,800.00	5,679.61	5,725.28	5,678.61	17.56	12.49	155.12	464.13	515.58	1,519.00	1,491.77		27.23	55.779		
5,900.00	5,777.70	5,823.36	5,776.70	17.84	12.57	155.54	464.13	515.58	1,536.74	1,509.21		27.53	55.822		
6,000.00	5,876.26	5,921.92	5,875.26	18.08	12.65	155.89	464.13	515.58	1,552.17	1,524.35		27.82	55.797		
6,100.00	5,975.23	6,020.89	5,974.23	18.30	12.73	156.18	464.13	515.58	1,565.26	1,537.17		28.10	55.706		
6,200.00	6,074.54	6,120.20	6,073.54	18.48	12.81	156.42	464.13	515.58	1,576.00	1,547.63		28.37	55.552		
6,300.00	6,174.12	6,219.78	6,173.12	18.64	12.89	156.60	464.13	515.58	1,584.35	1,555.72		28.63	55.339		
6,400.00	6,273.91	6,319.57	6,272.91	18.77	12.97	156.73	464.13	515.58	1,590.31	1,561.44		28.88	55.071		
6,500.00	6,373.83	6,419.49	6,372.83	18.87	13.05	156.81	464.13	515.58	1,593.88	1,564.77		29.11	54.754		
6,598.18	6,472.00	6,517.66	6,471.00	18.95	13.13	89.61	464.13	515.58	1,595.04	1,565.76		29.28	54.479		
6,600.00	6,473.82	6,519.48	6,472.82	18.95	13.13	89.61	464.13	515.58	1,595.04	1,565.76		29.28	54.476		
6,700.00	6,573.82	6,619.48	6,572.82	19.00	13.21	89.61	464.13	515.58	1,595.04	1,565.62		29.41	54.231		
6,800.00	6,673.82	6,719.48	6,672.82	19.05	13.29	89.61	464.13	515.58	1,595.04	1,565.49		29.54	53.987		
6,900.00	6,773.82	6,819.48	6,772.82	19.11	13.37	89.61	464.13	515.58	1,595.04	1,565.36		29.68	53.745		
7,000.00	6,873.82	6,919.48	6,872.82	19.16	13.45	89.61	464.13	515.58	1,595.04	1,565.23		29.81	53.505		
7,100.00	6,973.82	7,019.48	6,972.82	19.22	13.54	89.61	464.13	515.58	1,595.04	1,565.09		29.94	53.266		
7,200.00	7,073.82	7,119.48	7,072.82	19.27	13.62	89.61	464.13	515.58	1,595.04	1,564.96		30.08	53.029		
7,300.00	7,173.82	7,219.48	7,172.82	19.33	13.70	89.61	464.13	515.58	1,595.04	1,564.82		30.21	52.794		
7,400.00	7,273.82	7,319.48	7,272.82	19.38	13.78	89.61	464.13	515.58	1,595.04	1,564.69		30.35	52.561		
7,500.00	7,373.82	7,419.48	7,372.82	19.44	13.86	89.61	464.13	515.58	1,595.04	1,564.56		30.48	52.329		
7,600.00	7,473.82	7,519.48	7,472.82	19.49	13.94	89.61	464.13	515.58	1,595.04	1,564.42		30.62	52.098		
7,700.00	7,573.82	7,619.48	7,572.82	19.55	14.02	89.61	464.13	515.58	1,595.04	1,564.29		30.75	51.869		
7,800.00	7,673.82	7,719.48	7,672.82	19.60	14.10	89.61	464.13	515.58	1,595.04	1,564.15		30.89	51.642		
7,900.00	7,773.82	7,819.48	7,772.82	19.66	14.18	89.61	464.13	515.58	1,595.04	1,564.02		31.02	51.417		
8,000.00	7,873.82	7,919.48	7,872.82	19.72	14.26	89.61	464.13	515.58	1,595.04	1,563.88		31.16	51.193		
8,100.00	7,973.82	8,019.48	7,972.82	19.77	14.35	89.61	464.13	515.58	1,595.04	1,563.74		31.29	50.970		
8,200.00	8,073.82	8,119.48	8,072.82	19.83	14.43	89.61	464.13	515.58	1,595.04	1,563.61		31.43	50.749		
8,300.00	8,173.82	8,219.48	8,172.82	19.89	14.51	89.61	464.13	515.58	1,595.04	1,563.47		31.57	50.530		
8,400.00	8,273.82	8,319.48	8,272.82	19.94	14.59	89.61	464.13	515.58	1,595.04	1,563.33		31.70	50.312		
8,500.00	8,373.82	8,419.48	8,372.82	20.00	14.67	89.61	464.13	515.58	1,595.04	1,563.20		31.84	50.096		
8,600.00	8,473.82	8,519.48	8,472.82	20.06	14.75	89.61	464.13	515.58	1,595.04	1,563.06		31.98	49.881		
8,700.00	8,573.82	8,619.48	8,572.82	20.11	14.83	89.61	464.13	515.58	1,595.04	1,562.92		32.11	49.668		
8,800.00	8,673.82	8,719.48	8,672.82	20.17	14.91	89.61	464.13	515.58	1,595.04	1,562.79		32.25	49.456		
8,900.00	8,773.82	8,819.48	8,772.82	20.23	14.99	89.61	464.13	515.58	1,595.04	1,562.65		32.39	49.246		
9,000.00	8,873.82	8,919.48	8,872.82	20.29	15.08	89.61	464.13	515.58	1,595.04	1,562.51		32.53	49.037		
9,100.00	8,973.82	9,019.48	8,972.82	20.35	15.16	89.61	464.13	515.58	1,595.04	1,562.37		32.67	48.830		
9,200.00	9,073.82	9,119.48	9,072.82	20.40	15.24	89.61	464.13	515.58	1,595.04	1,562.23		32.80	48.624		
9,300.00	9,173.82	9,219.48	9,172.82	20.46	15.32	89.61	464.13	515.58	1,595.04	1,562.09		32.94	48.419		
9,400.00	9,273.82	9,319.48	9,272.82	20.52	15.40	89.61	464.13	515.58	1,595.04	1,561.96		33.08	48.216		
9,500.00	9,373.82	9,419.48	9,372.82	20.58	15.48	89.61	464.13	515.58	1,595.04	1,561.82		33.22	48.015		
9,600.00	9,473.82	9,519.48	9,472.82	20.64	15.56	89.61	464.13	515.58	1,595.04	1,561.68		33.36	47.814		
9,700.00	9,573.82	9,619.48	9,572.82	20.70	15.64	89.61	464.13	515.58	1,595.04	1,561.54		33.50	47.615		

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 132H - OH - Plan 1

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)												Rule Assigned:			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning		
							+N/-S (usft)	+E/-W (usft)							
9,800.00	9,673.82	9,719.48	9,672.82	20.76	15.72	89.61	464.13	515.58	1,595.04	1,561.40	33.64	47.418			
9,900.00	9,773.82	9,819.48	9,772.82	20.82	15.81	89.61	464.13	515.58	1,595.04	1,561.26	33.78	47.222			
10,000.00	9,873.82	9,919.48	9,872.82	20.87	15.89	89.61	464.13	515.58	1,595.04	1,561.12	33.92	47.027			
10,100.00	9,973.82	10,019.48	9,972.82	20.93	15.97	89.61	464.13	515.58	1,595.04	1,560.98	34.06	46.833			
10,200.00	10,073.82	10,119.48	10,072.82	20.99	16.05	89.61	464.13	515.58	1,595.04	1,560.84	34.20	46.641			
10,300.00	10,173.82	10,219.48	10,172.82	21.05	16.13	89.61	464.13	515.58	1,595.04	1,560.70	34.34	46.451			
10,400.00	10,273.82	10,319.48	10,272.82	21.11	16.21	89.61	464.13	515.58	1,595.04	1,560.56	34.48	46.261			
10,500.00	10,373.82	10,419.48	10,372.82	21.17	16.29	89.61	464.13	515.58	1,595.04	1,560.42	34.62	46.073			
10,600.00	10,473.82	10,519.48	10,472.82	21.23	16.37	89.61	464.13	515.58	1,595.04	1,560.28	34.76	45.886			
10,700.00	10,573.82	10,619.48	10,572.82	21.30	16.45	89.61	464.13	515.58	1,595.04	1,560.13	34.90	45.700			
10,800.00	10,673.82	10,719.48	10,672.82	21.36	16.54	89.61	464.13	515.58	1,595.04	1,559.99	35.04	45.516			
10,900.00	10,773.82	10,819.48	10,772.82	21.42	16.62	89.61	464.13	515.58	1,595.04	1,559.85	35.18	45.333			
11,000.00	10,873.82	10,919.48	10,872.82	21.48	16.70	89.61	464.13	515.58	1,595.04	1,559.71	35.33	45.151			
11,100.00	10,973.82	11,019.48	10,972.82	21.54	16.78	89.61	464.13	515.58	1,595.04	1,559.57	35.47	44.971			
11,200.00	11,073.82	11,119.48	11,072.82	21.60	16.86	89.61	464.13	515.58	1,595.04	1,559.43	35.61	44.791			
11,300.00	11,173.82	11,219.48	11,172.82	21.66	16.94	89.61	464.13	515.58	1,595.04	1,559.28	35.75	44.613			
11,400.00	11,273.82	11,319.48	11,272.82	21.72	17.02	89.61	464.13	515.58	1,595.04	1,559.14	35.90	44.436			
11,500.00	11,373.82	11,419.48	11,372.82	21.78	17.10	89.61	464.13	515.58	1,595.04	1,559.00	36.04	44.260			
11,600.00	11,473.82	11,519.48	11,472.82	21.85	17.19	89.61	464.13	515.58	1,595.04	1,558.86	36.18	44.086			
11,608.96	11,482.78	11,528.44	11,481.78	21.85	17.19	89.61	464.13	515.58	1,595.04	1,558.84	36.19	44.070			
11,700.00	11,573.82	11,619.37	11,572.71	21.91	17.27	89.62	463.79	515.58	1,595.04	1,558.73	36.31	43.932			
11,800.00	11,673.82	11,717.20	11,669.72	21.97	17.35	90.04	452.12	515.68	1,595.11	1,558.79	36.31	43.927			
11,900.00	11,773.82	11,808.60	11,757.34	22.03	17.41	90.96	426.46	515.90	1,595.63	1,559.37	36.25	44.014			
12,000.00	11,873.82	11,890.14	11,831.19	22.09	17.46	92.20	392.06	516.20	1,597.34	1,561.16	36.18	44.156			
12,064.18	11,938.00	11,936.63	11,870.88	22.12	17.49	93.06	367.87	516.41	1,599.48	1,563.35	36.13	44.274			
12,100.00	11,973.80	11,961.12	11,890.95	22.13	17.50	-85.81	353.85	516.53	1,601.06	1,564.97	36.09	44.363			
12,150.00	12,023.50	12,000.00	11,921.55	22.15	17.53	-84.83	329.87	516.74	1,603.56	1,567.56	36.01	44.533			
12,200.00	12,072.55	12,027.75	11,942.35	22.16	17.55	-84.06	311.52	516.89	1,606.33	1,570.36	35.96	44.665			
12,250.00	12,120.58	12,060.27	11,965.58	22.16	17.58	-83.22	288.75	517.09	1,609.31	1,573.40	35.91	44.820			
12,300.00	12,167.22	12,092.37	11,987.19	22.15	17.61	-82.40	265.03	517.29	1,612.44	1,576.58	35.86	44.968			
12,350.00	12,212.11	12,124.10	12,007.21	22.13	17.64	-81.61	240.42	517.51	1,615.64	1,579.82	35.82	45.103			
12,400.00	12,254.92	12,150.00	12,022.53	22.11	17.66	-80.93	219.54	517.69	1,618.87	1,583.05	35.81	45.202			
12,450.00	12,295.31	12,186.63	12,042.55	22.09	17.71	-80.16	188.87	517.95	1,622.02	1,586.23	35.79	45.323			
12,500.00	12,332.99	12,217.53	12,057.89	22.08	17.75	-79.50	162.05	518.18	1,625.08	1,589.29	35.80	45.399			
12,550.00	12,367.66	12,250.00	12,072.42	22.06	17.79	-78.89	133.02	518.43	1,627.99	1,592.17	35.81	45.458			
12,600.00	12,399.06	12,278.73	12,083.89	22.06	17.84	-78.36	106.69	518.66	1,630.68	1,594.82	35.86	45.471			
12,650.00	12,426.95	12,300.00	12,091.52	22.07	17.87	-77.95	86.83	518.83	1,633.16	1,597.22	35.93	45.450			
12,700.00	12,451.12	12,339.33	12,103.67	22.09	17.95	-77.47	49.43	519.15	1,635.26	1,599.27	35.99	45.431			
12,750.00	12,471.39	12,369.47	12,111.23	22.12	18.01	-77.12	20.26	519.40	1,637.08	1,600.99	36.09	45.367			
12,800.00	12,487.60	12,400.00	12,117.31	22.18	18.08	-76.85	-9.65	519.66	1,638.54	1,602.36	36.19	45.281			
12,850.00	12,499.62	12,429.54	12,121.67	22.25	18.15	-76.65	-38.86	519.91	1,639.63	1,603.32	36.31	45.161			
12,900.00	12,507.37	12,459.50	12,124.55	22.35	18.23	-76.52	-68.68	520.17	1,640.32	1,603.89	36.43	45.023			
12,950.00	12,510.78	12,494.67	12,125.94	22.46	18.33	-76.46	-103.81	520.47	1,640.62	1,604.04	36.58	44.848			
12,957.77	12,510.92	12,494.67	12,125.94	22.48	18.33	-76.46	-103.81	520.47	1,640.61	1,604.02	36.59	44.836			
12,959.18	12,510.94	12,495.12	12,125.94	22.49	18.33	-76.46	-104.27	520.47	1,640.61	1,604.02	36.59	44.833			
13,000.00	12,511.29	12,535.94	12,126.30	22.60	18.46	-76.46	-145.08	520.83	1,640.61	1,603.83	36.78	44.604			
13,100.00	12,512.17	12,635.94	12,127.17	22.92	18.83	-76.46	-245.08	521.69	1,640.61	1,603.25	37.36	43.913			
13,200.00	12,513.04	12,735.94	12,128.04	23.29	19.27	-76.46	-345.07	522.55	1,640.61	1,602.50	38.12	43.041			
13,300.00	12,513.91	12,835.94	12,128.91	23.73	19.79	-76.46	-445.06	523.41	1,640.61	1,601.57	39.04	42.022			
13,400.00	12,514.78	12,935.94	12,129.78	24.22	20.38	-76.46	-545.05	524.27	1,640.61	1,600.49	40.12	40.892			
13,500.00	12,515.66	13,035.94	12,130.65	24.77	21.04	-76.46	-645.05	525.13	1,640.61	1,599.27	41.34	39.682			
13,600.00	12,516.53	13,135.94	12,131.52	25.36	21.78	-76.46	-745.04	525.99	1,640.62	1,597.92	42.70	38.423			

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)	Distance Between Centres (usft)	Between Ellipses (usft)			
13,700.00	12,517.40	13,235.94	12,132.40	26.00	22.57	-76.46	-845.03	526.85	1,640.62	1,596.44	44.17	37.141			
13,800.00	12,518.28	13,335.94	12,133.27	26.70	23.42	-76.46	-945.02	527.71	1,640.62	1,594.86	45.75	35.857			
13,900.00	12,519.15	13,435.94	12,134.14	27.43	24.32	-76.46	-1,045.02	528.57	1,640.62	1,593.18	47.43	34.587			
14,000.00	12,520.02	13,535.94	12,135.01	28.21	25.26	-76.46	-1,145.01	529.44	1,640.62	1,591.42	49.20	33.345			
14,100.00	12,520.90	13,635.94	12,135.88	29.03	26.25	-76.46	-1,245.00	530.30	1,640.62	1,589.57	51.05	32.139			
14,200.00	12,521.77	13,735.94	12,136.75	29.88	27.27	-76.46	-1,344.99	531.16	1,640.62	1,587.66	52.96	30.977			
14,300.00	12,522.64	13,835.94	12,137.62	30.77	28.31	-76.46	-1,444.99	532.02	1,640.62	1,585.68	54.94	29.861			
14,400.00	12,523.52	13,935.94	12,138.50	31.70	29.39	-76.46	-1,544.98	532.88	1,640.62	1,583.64	56.98	28.794			
14,500.00	12,524.39	14,035.94	12,139.37	32.65	30.49	-76.46	-1,644.97	533.74	1,640.62	1,581.56	59.06	27.777			
14,600.00	12,525.26	14,135.94	12,140.24	33.63	31.62	-76.46	-1,744.96	534.60	1,640.62	1,579.43	61.20	26.810			
14,700.00	12,526.13	14,235.94	12,141.11	34.64	32.76	-76.46	-1,844.96	535.46	1,640.62	1,577.26	63.37	25.890			
14,800.00	12,527.01	14,335.94	12,141.98	35.67	33.92	-76.46	-1,944.95	536.32	1,640.62	1,575.05	65.58	25.018			
14,900.00	12,527.88	14,435.94	12,142.85	36.72	35.09	-76.46	-2,044.94	537.18	1,640.63	1,572.80	67.82	24.190			
15,000.00	12,528.75	14,535.94	12,143.72	37.79	36.28	-76.46	-2,144.93	538.05	1,640.63	1,570.53	70.09	23.406			
15,100.00	12,529.63	14,635.94	12,144.60	38.88	37.49	-76.46	-2,244.93	538.91	1,640.63	1,568.23	72.40	22.662			
15,200.00	12,530.50	14,735.94	12,145.47	39.99	38.70	-76.46	-2,344.92	539.77	1,640.63	1,565.91	74.72	21.957			
15,300.00	12,531.37	14,835.94	12,146.34	41.11	39.92	-76.46	-2,444.91	540.63	1,640.63	1,563.56	77.07	21.288			
15,400.00	12,532.25	14,935.94	12,147.21	42.25	41.16	-76.46	-2,544.90	541.49	1,640.63	1,561.19	79.44	20.653			
15,500.00	12,533.12	15,035.94	12,148.08	43.40	42.40	-76.46	-2,644.90	542.35	1,640.63	1,558.81	81.82	20.051			
15,600.00	12,533.99	15,135.94	12,148.95	44.56	43.65	-76.46	-2,744.89	543.21	1,640.63	1,556.40	84.23	19.478			
15,700.00	12,534.86	15,235.94	12,149.82	45.74	44.91	-76.46	-2,844.88	544.07	1,640.63	1,553.98	86.65	18.934			
15,800.00	12,535.74	15,335.94	12,150.70	46.92	46.17	-76.46	-2,944.87	544.93	1,640.63	1,551.55	89.08	18.417			
15,900.00	12,536.61	15,435.94	12,151.57	48.12	47.44	-76.46	-3,044.87	545.79	1,640.63	1,549.10	91.53	17.924			
16,000.00	12,537.48	15,535.94	12,152.44	49.32	48.71	-76.46	-3,144.86	546.66	1,640.63	1,546.64	93.99	17.455			
16,100.00	12,538.36	15,635.94	12,153.31	50.54	49.99	-76.46	-3,244.85	547.52	1,640.63	1,544.17	96.46	17.008			
16,200.00	12,539.23	15,735.94	12,154.18	51.76	51.28	-76.46	-3,344.84	548.38	1,640.63	1,541.69	98.94	16.581			
16,300.00	12,540.10	15,835.94	12,155.05	52.99	52.57	-76.46	-3,444.84	549.24	1,640.64	1,539.20	101.44	16.174			
16,400.00	12,540.98	15,935.94	12,155.92	54.22	53.86	-76.46	-3,544.83	550.10	1,640.64	1,536.70	103.94	15.785			
16,500.00	12,541.85	16,035.94	12,156.79	55.46	55.16	-76.46	-3,644.82	550.96	1,640.64	1,534.19	106.45	15.413			
16,600.00	12,542.72	16,135.94	12,157.67	56.71	56.46	-76.46	-3,744.81	551.82	1,640.64	1,531.67	108.96	15.057			
16,700.00	12,543.60	16,235.94	12,158.54	57.96	57.76	-76.46	-3,844.81	552.68	1,640.64	1,529.15	111.49	14.716			
16,800.00	12,544.47	16,335.94	12,159.41	59.22	59.07	-76.46	-3,944.80	553.54	1,640.64	1,526.62	114.02	14.389			
16,900.00	12,545.34	16,435.94	12,160.28	60.48	60.38	-76.46	-4,044.79	554.40	1,640.64	1,524.08	116.55	14.076			
17,000.00	12,546.21	16,535.94	12,161.15	61.75	61.69	-76.46	-4,144.78	555.27	1,640.64	1,521.54	119.10	13.776			
17,100.00	12,547.09	16,635.94	12,162.02	63.02	63.01	-76.46	-4,244.78	556.13	1,640.64	1,518.99	121.65	13.487			
17,200.00	12,547.96	16,735.94	12,162.89	64.30	64.32	-76.46	-4,344.77	556.99	1,640.64	1,516.44	124.20	13.210			
17,300.00	12,548.83	16,835.94	12,163.77	65.58	65.64	-76.46	-4,444.76	557.85	1,640.64	1,513.88	126.76	12.943			
17,400.00	12,549.71	16,935.94	12,164.64	66.86	66.96	-76.46	-4,544.75	558.71	1,640.64	1,511.32	129.32	12.686			
17,500.00	12,550.58	17,035.94	12,165.51	68.15	68.29	-76.46	-4,644.75	559.57	1,640.64	1,508.75	131.89	12.439			
17,600.00	12,551.45	17,135.94	12,166.38	69.44	69.61	-76.46	-4,744.74	560.43	1,640.64	1,506.18	134.46	12.202			
17,700.00	12,552.33	17,235.94	12,167.25	70.73	70.94	-76.46	-4,844.73	561.29	1,640.65	1,503.61	137.04	11.972			
17,800.00	12,553.20	17,335.94	12,168.12	72.03	72.27	-76.46	-4,944.72	562.15	1,640.65	1,501.03	139.62	11.751			
17,900.00	12,554.07	17,435.94	12,168.99	73.33	73.60	-76.46	-5,044.72	563.01	1,640.65	1,498.45	142.20	11.538			
18,000.00	12,554.94	17,535.94	12,169.87	74.63	74.93	-76.46	-5,144.71	563.87	1,640.65	1,495.86	144.79	11.332			
18,100.00	12,555.82	17,635.94	12,170.74	75.94	76.26	-76.46	-5,244.70	564.74	1,640.65	1,493.27	147.37	11.133			
18,200.00	12,556.69	17,735.94	12,171.61	77.24	77.60	-76.46	-5,344.69	565.60	1,640.65	1,490.68	149.97	10.940			
18,300.00	12,557.56	17,835.94	12,172.48	78.55	78.93	-76.46	-5,444.69	566.46	1,640.65	1,488.09	152.56	10.754			
18,400.00	12,558.44	17,935.94	12,173.35	79.86	80.27	-76.46	-5,544.68	567.32	1,640.65	1,485.49	155.16	10.574			
18,500.00	12,559.31	18,035.94	12,174.22	81.17	81.61	-76.46	-5,644.67	568.18	1,640.65	1,482.89	157.76	10.400			
18,600.00	12,560.18	18,135.94	12,175.09	82.49	82.94	-76.46	-5,744.66	569.04	1,640.65	1,480.29	160.36	10.231			
18,700.00	12,561.06	18,235.94	12,175.97	83.80	84.28	-76.46	-5,844.66	569.90	1,640.65	1,477.69	162.97	10.067			
18,800.00	12,561.93	18,335.94	12,176.84	85.12	85.62	-76.46	-5,944.65	570.76	1,640.65	1,475.08	165.57	9.909			

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 132H - OH - Plan 1													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)													Offset Well Error: 0.50 usft	
Reference	Offset	Semi Major Axis	Offset Wellbore Centre						Rule Assigned: Distance		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)	Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
18,900.00	12,562.80	18,435.94	12,177.71	86.44	86.97	-76.46	-6,044.64	571.62	1,640.65	1,472.47	168.18	9.755		
19,000.00	12,563.68	18,535.94	12,178.58	87.76	88.31	-76.46	-6,144.63	572.48	1,640.65	1,469.86	170.79	9.606		
19,100.00	12,564.55	18,635.94	12,179.45	89.08	89.65	-76.46	-6,244.63	573.35	1,640.66	1,467.25	173.40	9.461		
19,200.00	12,565.42	18,735.94	12,180.32	90.41	91.00	-76.46	-6,344.62	574.21	1,640.66	1,464.64	176.02	9.321		
19,300.00	12,566.29	18,835.94	12,181.19	91.73	92.34	-76.46	-6,444.61	575.07	1,640.66	1,462.02	178.64	9.184		
19,400.00	12,567.17	18,935.94	12,182.07	93.06	93.69	-76.46	-6,544.60	575.93	1,640.66	1,459.40	181.25	9.052		
19,500.00	12,568.04	19,035.94	12,182.94	94.39	95.03	-76.46	-6,644.60	576.79	1,640.66	1,456.79	183.87	8.923		
19,600.00	12,568.91	19,135.94	12,183.81	95.72	96.38	-76.46	-6,744.59	577.65	1,640.66	1,454.17	186.49	8.797		
19,700.00	12,569.79	19,235.94	12,184.68	97.05	97.73	-76.46	-6,844.58	578.51	1,640.66	1,451.54	189.12	8.675		
19,800.00	12,570.66	19,335.94	12,185.55	98.38	99.08	-76.46	-6,944.57	579.37	1,640.66	1,448.92	191.74	8.557		
19,900.00	12,571.53	19,435.94	12,186.42	99.71	100.42	-76.46	-7,044.57	580.23	1,640.66	1,446.30	194.36	8.441		
20,000.00	12,572.41	19,535.94	12,187.29	101.04	101.77	-76.46	-7,144.56	581.09	1,640.66	1,443.67	196.99	8.329		
20,100.00	12,573.28	19,635.94	12,188.17	102.38	103.12	-76.46	-7,244.55	581.96	1,640.66	1,441.04	199.62	8.219		
20,200.00	12,574.15	19,735.94	12,189.04	103.71	104.47	-76.46	-7,344.54	582.82	1,640.66	1,438.42	202.25	8.112		
20,300.00	12,575.02	19,835.94	12,189.91	105.05	105.82	-76.46	-7,444.54	583.68	1,640.66	1,435.79	204.88	8.008		
20,400.00	12,575.90	19,935.94	12,190.78	106.39	107.18	-76.46	-7,544.53	584.54	1,640.66	1,433.16	207.51	7.907		
20,500.00	12,576.77	20,035.94	12,191.65	107.72	108.53	-76.46	-7,644.52	585.40	1,640.67	1,430.53	210.14	7.808		
20,600.00	12,577.64	20,135.94	12,192.52	109.06	109.88	-76.46	-7,744.51	586.26	1,640.67	1,427.89	212.77	7.711		
20,700.00	12,578.52	20,235.94	12,193.39	110.40	111.23	-76.46	-7,844.51	587.12	1,640.67	1,425.26	215.41	7.617		
20,800.00	12,579.39	20,335.94	12,194.26	111.74	112.59	-76.46	-7,944.50	587.98	1,640.67	1,422.63	218.04	7.525		
20,900.00	12,580.26	20,435.94	12,195.14	113.08	113.94	-76.46	-8,044.49	588.84	1,640.67	1,419.99	220.68	7.435		
21,000.00	12,581.14	20,535.94	12,196.01	114.43	115.29	-76.46	-8,144.48	589.70	1,640.67	1,417.35	223.31	7.347		
21,100.00	12,582.01	20,635.94	12,196.88	115.77	116.65	-76.46	-8,244.48	590.57	1,640.67	1,414.72	225.95	7.261		
21,200.00	12,582.88	20,735.94	12,197.75	117.11	118.00	-76.46	-8,344.47	591.43	1,640.67	1,412.08	228.59	7.177		
21,300.00	12,583.76	20,835.94	12,198.62	118.45	119.36	-76.46	-8,444.46	592.29	1,640.67	1,409.44	231.23	7.095		
21,400.00	12,584.63	20,935.94	12,199.49	119.80	120.71	-76.46	-8,544.45	593.15	1,640.67	1,406.80	233.87	7.015		
21,500.00	12,585.50	21,035.94	12,200.36	121.14	122.07	-76.46	-8,644.45	594.01	1,640.67	1,404.16	236.51	6.937		
21,600.00	12,586.37	21,135.94	12,201.24	122.49	123.42	-76.46	-8,744.44	594.87	1,640.67	1,401.52	239.15	6.860		
21,700.00	12,587.25	21,235.94	12,202.11	123.83	124.78	-76.46	-8,844.43	595.73	1,640.67	1,398.88	241.79	6.785		
21,800.00	12,588.12	21,335.94	12,202.98	125.18	126.14	-76.46	-8,944.42	596.59	1,640.67	1,396.24	244.43	6.712		
21,900.00	12,588.99	21,435.94	12,203.85	126.53	127.49	-76.46	-9,044.42	597.45	1,640.68	1,393.60	247.08	6.640		
22,000.00	12,589.87	21,535.94	12,204.72	127.87	128.85	-76.46	-9,144.41	598.31	1,640.68	1,390.95	249.72	6.570		
22,100.00	12,590.74	21,635.94	12,205.59	129.22	130.21	-76.46	-9,244.40	599.18	1,640.68	1,388.31	252.37	6.501		
22,200.00	12,591.61	21,735.94	12,206.46	130.57	131.57	-76.46	-9,344.39	600.04	1,640.68	1,385.67	255.01	6.434		
22,300.00	12,592.49	21,835.94	12,207.34	131.92	132.92	-76.46	-9,444.39	600.90	1,640.68	1,383.02	257.66	6.368		
22,400.00	12,593.36	21,935.94	12,208.21	133.27	134.28	-76.46	-9,544.38	601.76	1,640.68	1,380.38	260.30	6.303		
22,500.00	12,594.23	22,035.94	12,209.08	134.62	135.64	-76.46	-9,644.37	602.62	1,640.68	1,377.73	262.95	6.240		
22,600.00	12,595.10	22,135.94	12,209.95	135.97	137.00	-76.46	-9,744.36	603.48	1,640.68	1,375.08	265.60	6.177		
22,700.00	12,595.98	22,235.94	12,210.82	137.32	138.36	-76.46	-9,844.36	604.34	1,640.68	1,372.44	268.24	6.116		
22,800.00	12,596.85	22,335.94	12,211.69	138.67	139.72	-76.46	-9,944.35	605.20	1,640.68	1,369.79	270.89	6.057		
22,809.11	12,596.93	22,345.06	12,211.77	138.79	139.84	-76.46	-9,953.46	605.28	1,640.68	1,369.55	271.13	6.051		
22,897.27	12,597.70	22,428.60	12,212.50	139.98	140.98	-76.46	-10,037.00	606.00	1,640.69	1,367.29	273.39	6.001	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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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 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	90.00	0.00	25.00	25.02				
100.00	100.00	99.00	99.00	0.98	0.97	90.00	0.00	25.00	25.00	23.05	1.95	12.788	CC, ES
200.00	200.00	199.00	199.00	1.56	1.56	90.00	0.00	25.00	25.00	21.88	3.12	8.022	
300.00	300.00	299.00	299.00	1.98	1.98	90.00	0.00	25.00	25.00	21.04	3.96	6.316	
400.00	399.99	398.99	398.99	2.41	2.33	158.32	0.00	25.00	26.21	21.48	4.73	5.545	
500.00	499.91	498.91	498.91	2.78	2.63	161.08	0.00	25.00	29.90	24.50	5.40	5.538	
600.00	599.69	598.69	598.69	3.12	2.91	164.42	0.00	25.00	36.15	30.14	6.01	6.015	
633.33	632.91	631.91	631.91	3.15	2.99	165.50	0.00	25.00	38.81	32.68	6.13	6.334	
700.00	699.32	698.32	698.32	3.26	3.16	167.38	0.00	25.00	44.46	38.06	6.40	6.942	
800.00	798.94	797.94	797.94	3.50	3.40	169.44	0.00	25.00	53.00	46.11	6.89	7.690	
900.00	898.56	898.43	898.42	3.74	3.67	169.94	1.19	24.56	60.90	53.53	7.37	8.260	
1,000.00	998.18	999.11	999.02	3.98	3.94	168.45	4.87	23.21	67.39	59.56	7.83	8.608	
1,100.00	1,097.80	1,098.91	1,098.68	4.21	4.15	166.32	9.77	21.40	73.25	65.00	8.25	8.878	
1,200.00	1,197.42	1,198.70	1,198.34	4.43	4.34	164.51	14.67	19.59	79.20	70.54	8.66	9.144	
1,252.78	1,250.00	1,251.38	1,250.95	4.50	4.40	163.66	17.26	18.64	82.37	73.59	8.77	9.387	
1,300.00	1,297.01	1,298.96	1,298.44	4.56	4.45	162.81	19.88	17.67	85.36	76.48	8.87	9.618	
1,400.00	1,396.38	1,399.60	1,398.77	4.82	4.69	160.46	27.26	14.95	92.78	83.46	9.32	9.955	
1,500.00	1,495.41	1,500.05	1,498.66	5.08	4.93	157.61	37.10	11.33	101.80	92.04	9.75	10.439	
1,600.00	1,594.05	1,599.78	1,597.59	5.34	5.05	154.66	49.00	6.94	112.66	102.57	10.08	11.175	
1,700.00	1,692.22	1,698.81	1,695.77	5.60	5.24	152.62	61.13	2.47	125.96	115.46	10.50	11.992	
1,800.00	1,789.86	1,797.54	1,793.65	5.85	5.44	151.45	73.22	-1.99	141.65	130.72	10.93	12.957	
1,819.64	1,808.97	1,816.89	1,812.84	5.87	5.48	151.30	75.59	-2.86	145.00	134.01	10.99	13.189	
1,900.00	1,887.11	1,896.03	1,891.30	6.02	5.63	150.89	85.29	-6.44	158.91	147.61	11.30	14.068	
2,000.00	1,984.35	1,994.51	1,988.94	6.24	5.82	150.47	97.35	-10.88	176.22	164.51	11.70	15.056	
2,100.00	2,081.58	2,092.99	2,086.58	6.46	6.02	150.13	109.41	-15.33	193.53	181.42	12.12	15.974	
2,200.00	2,178.82	2,191.48	2,184.22	6.68	6.21	149.84	121.47	-19.78	210.86	198.33	12.53	16.831	
2,300.00	2,276.06	2,289.96	2,281.86	6.90	6.40	149.59	133.54	-24.22	228.19	215.24	12.94	17.631	
2,400.00	2,373.29	2,388.44	2,379.50	7.15	6.59	149.39	145.60	-28.67	245.52	232.16	13.36	18.380	
2,500.00	2,470.53	2,486.93	2,477.14	7.41	6.78	149.20	157.66	-33.11	262.85	249.08	13.77	19.082	
2,600.00	2,567.76	2,585.41	2,574.78	7.70	6.98	149.04	169.72	-37.56	280.19	265.99	14.19	19.742	
2,700.00	2,665.00	2,683.89	2,672.42	7.99	7.17	148.90	181.78	-42.01	297.52	282.91	14.61	20.363	
2,800.00	2,762.23	2,782.37	2,770.06	8.28	7.36	148.78	193.85	-46.45	314.86	299.83	15.03	20.948	
2,900.00	2,859.47	2,880.86	2,867.70	8.58	7.55	148.67	205.91	-50.90	332.20	316.75	15.45	21.500	
3,000.00	2,956.71	2,979.34	2,965.34	8.88	7.74	148.56	217.97	-55.35	349.55	333.67	15.87	22.022	
3,100.00	3,053.94	3,077.82	3,062.99	9.18	7.93	148.47	230.03	-59.79	366.89	350.59	16.29	22.516	
3,200.00	3,151.18	3,176.31	3,160.63	9.48	8.12	148.39	242.09	-64.24	384.23	367.52	16.72	22.985	
3,300.00	3,248.41	3,274.79	3,258.27	9.79	8.31	148.31	254.16	-68.68	401.58	384.44	17.14	23.430	
3,400.00	3,345.65	3,373.27	3,355.91	10.09	8.51	148.24	266.22	-73.13	418.92	401.36	17.56	23.853	
3,500.00	3,442.88	3,471.76	3,453.55	10.40	8.70	148.18	278.28	-77.58	436.27	418.28	17.99	24.255	
3,600.00	3,540.12	3,570.24	3,551.19	10.70	8.89	148.12	290.34	-82.02	453.61	435.20	18.41	24.638	
3,700.00	3,637.36	3,668.72	3,648.83	11.01	9.08	148.07	302.40	-86.47	470.96	452.12	18.84	25.004	
3,800.00	3,734.59	3,767.20	3,746.47	11.32	9.27	148.01	314.47	-90.92	488.31	469.05	19.26	25.353	
3,900.00	3,831.83	3,865.69	3,844.11	11.63	9.46	147.97	326.53	-95.36	505.65	485.97	19.69	25.686	
4,000.00	3,929.06	3,964.17	3,941.75	11.94	9.65	147.92	338.59	-99.81	523.00	502.89	20.11	26.005	
4,100.00	4,026.30	4,062.65	4,039.39	12.25	9.84	147.88	350.65	-104.26	540.35	519.81	20.54	26.310	
4,200.00	4,123.54	4,161.14	4,137.03	12.56	10.03	147.84	362.71	-108.70	557.70	536.73	20.96	26.603	
4,300.00	4,220.77	4,259.62	4,234.67	12.87	10.22	147.81	374.78	-113.15	575.05	553.66	21.39	26.883	
4,400.00	4,318.01	4,358.10	4,332.31	13.18	10.41	147.77	386.84	-117.59	592.39	570.58	21.82	27.153	
4,500.00	4,415.24	4,456.59	4,429.95	13.50	10.60	147.74	398.90	-122.04	609.74	587.50	22.24	27.411	
4,600.00	4,512.48	4,555.07	4,527.59	13.81	10.80	147.71	410.96	-126.49	627.09	604.42	22.67	27.660	
4,700.00	4,609.71	4,653.55	4,625.23	14.12	10.99	147.68	423.02	-130.93	644.44	621.34	23.10	27.898	
4,800.00	4,706.95	4,750.39	4,721.28	14.43	11.18	147.68	434.60	-135.20	661.85	638.34	23.52	28.143	

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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 Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Rule Assigned: Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)						
4,900.00	4,804.19	4,845.47	4,815.82	14.75	11.37	147.85	444.02	-138.67	679.69	655.78		23.91	28.427	
5,000.00	4,901.42	4,940.22	4,910.26	15.06	11.56	148.21	451.22	-141.32	698.03	673.75		24.28	28.748	
5,100.00	4,998.66	5,034.52	5,004.41	15.38	11.73	148.73	456.19	-143.16	716.92	692.29		24.63	29.110	
5,200.00	5,095.89	5,128.28	5,098.12	15.69	11.89	149.41	458.97	-144.18	736.40	711.45		24.95	29.513	
5,300.00	5,193.13	5,222.29	5,192.13	16.00	12.01	150.22	459.64	-144.43	756.55	731.30		25.26	29.956	
5,400.00	5,290.37	5,319.53	5,289.37	16.32	12.10	151.07	459.64	-144.43	777.04	751.48		25.56	30.405	
5,500.00	5,387.60	5,416.76	5,386.60	16.63	12.18	151.87	459.64	-144.43	797.68	771.82		25.86	30.848	
5,600.00	5,484.84	5,514.00	5,483.84	16.95	12.27	152.64	459.64	-144.43	818.47	792.31		26.16	31.286	
5,697.99	5,580.12	5,609.28	5,579.12	17.26	12.35	153.35	459.64	-144.43	838.97	812.52		26.46	31.711	
5,700.00	5,582.07	5,611.24	5,581.07	17.26	12.35	153.37	459.64	-144.43	839.39	812.93		26.46	31.721	
5,800.00	5,679.61	5,708.78	5,678.61	17.56	12.44	154.16	459.64	-144.43	859.24	832.47		26.77	32.096	
5,900.00	5,777.70	5,806.86	5,776.70	17.84	12.52	154.83	459.64	-144.43	876.87	849.80		27.07	32.389	
6,000.00	5,876.26	5,905.42	5,875.26	18.08	12.61	155.38	459.64	-144.43	892.23	864.86		27.37	32.601	
6,100.00	5,975.23	6,004.39	5,974.23	18.30	12.70	155.84	459.64	-144.43	905.28	877.62		27.66	32.734	
6,200.00	6,074.54	6,103.70	6,073.54	18.48	12.78	156.21	459.64	-144.43	915.99	888.05		27.93	32.790	
6,300.00	6,174.12	6,203.28	6,173.12	18.64	12.87	156.48	459.64	-144.43	924.33	896.13		28.20	32.774	
6,400.00	6,273.91	6,303.07	6,272.91	18.77	12.96	156.68	459.64	-144.43	930.29	901.83		28.46	32.687	
6,500.00	6,373.83	6,402.99	6,372.83	18.87	13.04	156.79	459.64	-144.43	933.85	905.15		28.70	32.536	
6,598.18	6,472.00	6,501.16	6,471.00	18.95	13.13	89.61	459.64	-144.43	935.01	906.13		28.88	32.376	
6,600.00	6,473.82	6,502.98	6,472.82	18.95	13.13	89.61	459.64	-144.43	935.01	906.13		28.88	32.374	
6,700.00	6,573.82	6,602.98	6,572.82	19.00	13.22	89.61	459.64	-144.43	935.01	905.99		29.02	32.215	
6,800.00	6,673.82	6,702.98	6,672.82	19.05	13.31	89.61	459.64	-144.43	935.01	905.85		29.17	32.058	
6,900.00	6,773.82	6,802.98	6,772.82	19.11	13.39	89.61	459.64	-144.43	935.01	905.70		29.31	31.902	
7,000.00	6,873.82	6,902.98	6,872.82	19.16	13.48	89.61	459.64	-144.43	935.01	905.56		29.45	31.747	
7,100.00	6,973.82	7,002.98	6,972.82	19.22	13.57	89.61	459.64	-144.43	935.01	905.42		29.59	31.594	
7,200.00	7,073.82	7,102.98	7,072.82	19.27	13.65	89.61	459.64	-144.43	935.01	905.27		29.74	31.442	
7,300.00	7,173.82	7,202.98	7,172.82	19.33	13.74	89.61	459.64	-144.43	935.01	905.13		29.88	31.291	
7,400.00	7,273.82	7,302.98	7,272.82	19.38	13.83	89.61	459.64	-144.43	935.01	904.99		30.02	31.142	
7,500.00	7,373.82	7,402.98	7,372.82	19.44	13.91	89.61	459.64	-144.43	935.01	904.84		30.17	30.994	
7,600.00	7,473.82	7,502.98	7,472.82	19.49	14.00	89.61	459.64	-144.43	935.01	904.70		30.31	30.847	
7,700.00	7,573.82	7,602.98	7,572.82	19.55	14.09	89.61	459.64	-144.43	935.01	904.56		30.45	30.702	
7,800.00	7,673.82	7,702.98	7,672.82	19.60	14.17	89.61	459.64	-144.43	935.01	904.41		30.60	30.557	
7,900.00	7,773.82	7,802.98	7,772.82	19.66	14.26	89.61	459.64	-144.43	935.01	904.27		30.74	30.414	
8,000.00	7,873.82	7,902.98	7,872.82	19.72	14.34	89.61	459.64	-144.43	935.01	904.12		30.89	30.272	
8,100.00	7,973.82	8,002.98	7,972.82	19.77	14.43	89.61	459.64	-144.43	935.01	903.98		31.03	30.131	
8,200.00	8,073.82	8,102.98	8,072.82	19.83	14.52	89.61	459.64	-144.43	935.01	903.84		31.18	29.992	
8,300.00	8,173.82	8,202.98	8,172.82	19.89	14.60	89.61	459.64	-144.43	935.01	903.69		31.32	29.853	
8,400.00	8,273.82	8,302.98	8,272.82	19.94	14.69	89.61	459.64	-144.43	935.01	903.55		31.46	29.716	
8,500.00	8,373.82	8,402.98	8,372.82	20.00	14.77	89.61	459.64	-144.43	935.01	903.40		31.61	29.580	
8,600.00	8,473.82	8,502.98	8,472.82	20.06	14.86	89.61	459.64	-144.43	935.01	903.26		31.75	29.445	
8,700.00	8,573.82	8,602.98	8,572.82	20.11	14.95	89.61	459.64	-144.43	935.01	903.11		31.90	29.311	
8,800.00	8,673.82	8,702.98	8,672.82	20.17	15.03	89.61	459.64	-144.43	935.01	902.97		32.04	29.178	
8,900.00	8,773.82	8,802.98	8,772.82	20.23	15.12	89.61	459.64	-144.43	935.01	902.82		32.19	29.047	
9,000.00	8,873.82	8,902.98	8,872.82	20.29	15.20	89.61	459.64	-144.43	935.01	902.68		32.34	28.916	
9,100.00	8,973.82	9,002.98	8,972.82	20.35	15.29	89.61	459.64	-144.43	935.01	902.53		32.48	28.787	
9,200.00	9,073.82	9,102.98	9,072.82	20.40	15.37	89.61	459.64	-144.43	935.01	902.39		32.63	28.658	
9,300.00	9,173.82	9,202.98	9,172.82	20.46	15.46	89.61	459.64	-144.43	935.01	902.24		32.77	28.531	
9,400.00	9,273.82	9,302.98	9,272.82	20.52	15.55	89.61	459.64	-144.43	935.01	902.09		32.92	28.404	
9,500.00	9,373.82	9,402.98	9,372.82	20.58	15.63	89.61	459.64	-144.43	935.01	901.95		33.06	28.279	
9,600.00	9,473.82	9,502.98	9,472.82	20.64	15.72	89.61	459.64	-144.43	935.01	901.80		33.21	28.154	
9,700.00	9,573.82	9,602.98	9,572.82	20.70	15.80	89.61	459.64	-144.43	935.01	901.66		33.36	28.031	
9,800.00	9,673.82	9,702.98	9,672.82	20.76	15.89	89.61	459.64	-144.43	935.01	901.51		33.50	27.908	

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)		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)			
9,900.00	9,773.82	9,802.98	9,772.82	20.82	15.97	89.61	89.61	89.61	459.64	-144.43	935.01	901.36	33.65	27.787	
10,000.00	9,873.82	9,902.98	9,872.82	20.87	16.06	89.61	89.61	89.61	459.64	-144.43	935.01	901.22	33.80	27.666	
10,100.00	9,973.82	10,002.98	9,972.82	20.93	16.14	89.61	89.61	89.61	459.64	-144.43	935.01	901.07	33.94	27.547	
10,200.00	10,073.82	10,102.98	10,072.82	20.99	16.23	89.61	89.61	89.61	459.64	-144.43	935.01	900.92	34.09	27.428	
10,300.00	10,173.82	10,202.98	10,172.82	21.05	16.31	89.61	89.61	89.61	459.64	-144.43	935.01	900.78	34.24	27.310	
10,400.00	10,273.82	10,302.98	10,272.82	21.11	16.40	89.61	89.61	89.61	459.64	-144.43	935.01	900.63	34.38	27.194	
10,500.00	10,373.82	10,402.98	10,372.82	21.17	16.48	89.61	89.61	89.61	459.64	-144.43	935.01	900.48	34.53	27.078	
10,600.00	10,473.82	10,502.98	10,472.82	21.23	16.57	89.61	89.61	89.61	459.64	-144.43	935.01	900.33	34.68	26.963	
10,700.00	10,573.82	10,602.98	10,572.82	21.30	16.66	89.61	89.61	89.61	459.64	-144.43	935.01	900.19	34.83	26.849	
10,800.00	10,673.82	10,702.98	10,672.82	21.36	16.74	89.61	89.61	89.61	459.64	-144.43	935.01	900.04	34.97	26.735	
10,900.00	10,773.82	10,802.98	10,772.82	21.42	16.83	89.61	89.61	89.61	459.64	-144.43	935.01	899.89	35.12	26.623	
11,000.00	10,873.82	10,902.98	10,872.82	21.48	16.91	89.61	89.61	89.61	459.64	-144.43	935.01	899.74	35.27	26.511	
11,100.00	10,973.82	11,002.98	10,972.82	21.54	17.00	89.61	89.61	89.61	459.64	-144.43	935.01	899.60	35.42	26.401	
11,200.00	11,073.82	11,102.98	11,072.82	21.60	17.08	89.61	89.61	89.61	459.64	-144.43	935.01	899.45	35.56	26.291	
11,300.00	11,173.82	11,202.98	11,172.82	21.66	17.17	89.61	89.61	89.61	459.64	-144.43	935.01	899.30	35.71	26.182	
11,400.00	11,273.82	11,302.98	11,272.82	21.72	17.25	89.61	89.61	89.61	459.64	-144.43	935.01	899.15	35.86	26.074	
11,500.00	11,373.82	11,402.98	11,372.82	21.78	17.33	89.61	89.61	89.61	459.64	-144.43	935.01	899.00	36.01	25.966	
11,600.00	11,473.82	11,502.98	11,472.82	21.85	17.42	89.61	89.61	89.61	459.64	-144.43	935.01	898.86	36.16	25.860	
11,608.50	11,482.32	11,511.48	11,481.32	21.85	17.43	89.61	89.61	89.61	459.64	-144.43	935.01	898.84	36.17	25.852	
11,700.00	11,573.82	11,602.98	11,572.74	21.91	17.48	89.64	89.64	89.64	459.23	-144.43	935.01	898.74	36.27	25.776	
11,800.00	11,673.82	11,700.85	11,669.82	21.97	17.51	90.37	90.37	90.37	447.18	-144.32	935.12	898.88	36.24	25.804	
11,900.00	11,773.82	11,792.23	11,757.33	22.03	17.52	91.96	91.96	91.96	421.20	-144.10	936.00	899.87	36.13	25.908	
12,000.00	11,873.82	11,873.66	11,830.96	22.09	17.52	94.08	94.08	94.08	386.59	-143.80	938.93	902.91	36.01	26.071	
12,064.18	11,938.00	11,920.06	11,870.48	22.12	17.53	95.55	95.55	95.55	362.30	-143.59	942.59	906.62	35.97	26.204	
12,100.00	11,973.80	11,944.49	11,890.46	22.13	17.53	-82.87	-82.87	-82.87	348.26	-143.47	945.28	909.33	35.95	26.292	
12,150.00	12,023.50	11,978.01	11,916.87	22.15	17.53	-81.39	-81.39	-81.39	327.62	-143.29	949.53	913.60	35.93	26.426	
12,200.00	12,072.55	12,010.96	11,941.61	22.16	17.53	-79.93	-79.93	-79.93	305.86	-143.11	954.24	918.31	35.93	26.556	
12,250.00	12,120.58	12,050.00	11,969.24	22.16	17.53	-78.33	-78.33	-78.33	278.30	-142.87	959.33	923.41	35.92	26.711	
12,300.00	12,167.22	12,075.43	11,986.21	22.15	17.53	-77.15	-77.15	-77.15	259.35	-142.71	964.58	928.56	36.01	26.783	
12,350.00	12,212.11	12,100.00	12,001.78	22.13	17.53	-76.01	-76.01	-76.01	240.35	-142.54	970.01	933.86	36.14	26.837	
12,400.00	12,254.92	12,138.43	12,024.47	22.11	17.53	-74.62	-74.62	-74.62	209.35	-142.27	975.37	939.17	36.20	26.944	
12,450.00	12,295.31	12,169.49	12,041.26	22.09	17.53	-73.47	-73.47	-73.47	183.22	-142.05	980.67	944.34	36.33	26.996	
12,500.00	12,332.99	12,200.00	12,056.34	22.08	17.53	-72.42	-72.42	-72.42	156.71	-141.82	985.78	949.31	36.47	27.031	
12,550.00	12,367.66	12,230.94	12,070.18	22.06	17.54	-71.44	-71.44	-71.44	129.04	-141.58	990.60	953.98	36.62	27.049	
12,600.00	12,399.06	12,261.39	12,082.32	22.06	17.54	-70.58	-70.58	-70.58	101.12	-141.34	995.07	958.29	36.78	27.053	
12,650.00	12,426.95	12,300.00	12,095.55	22.07	17.55	-69.71	-69.71	-69.71	64.86	-141.03	999.17	962.26	36.91	27.073	
12,700.00	12,451.12	12,321.88	12,101.96	22.09	17.55	-69.16	-69.16	-69.16	43.94	-140.85	1,002.67	965.57	37.10	27.026	
12,750.00	12,471.39	12,350.00	12,109.01	22.12	17.56	-68.62	-68.62	-68.62	16.72	-140.62	1,005.68	968.43	37.25	27.000	
12,800.00	12,487.60	12,381.96	12,115.39	22.18	17.57	-68.18	-68.18	-68.18	-14.59	-140.35	1,008.09	970.72	37.37	26.973	
12,850.00	12,499.62	12,411.90	12,119.78	22.25	17.58	-67.86	-67.86	-67.86	-44.20	-140.09	1,009.89	972.41	37.48	26.941	
12,900.00	12,507.37	12,450.00	12,123.11	22.35	17.60	-67.63	-67.63	-67.63	-82.15	-139.77	1,011.10	973.52	37.58	26.905	
12,950.00	12,510.78	12,476.17	12,123.94	22.46	17.61	-67.57	-67.57	-67.57	-108.30	-139.54	1,011.55	973.92	37.64	26.875	
12,954.05	12,510.87	12,476.17	12,123.94	22.48	17.61	-67.57	-67.57	-67.57	-108.30	-139.54	1,011.55	973.92	37.64	26.877	
12,959.18	12,510.94	12,477.83	12,123.95	22.49	17.61	-67.57	-67.57	-67.57	-109.97	-139.53	1,011.55	973.92	37.64	26.877	
13,000.00	12,511.29	12,518.65	12,124.31	22.60	17.63	-67.57	-67.57	-67.57	-150.78	-139.17	1,011.56	973.83	37.72	26.815	
13,100.00	12,512.17	12,618.65	12,125.18	22.92	17.71	-67.57	-67.57	-67.57	-250.78	-138.31	1,011.56	973.49	38.06	26.575	
13,200.00	12,513.04	12,718.65	12,126.05	23.29	17.82	-67.57	-67.57	-67.57	-350.77	-137.45	1,011.56	972.99	38.57	26.226	
13,300.00	12,513.91	12,818.65	12,126.92	23.73	17.99	-67.57	-67.57	-67.57	-450.76	-136.59	1,011.56	972.32	39.24	25.779	
13,400.00	12,514.78	12,918.65	12,127.79	24.22	18.28	-67.57	-67.57	-67.57	-550.75	-135.73	1,011.56	971.50	40.06	25.251	
13,500.00	12,515.66	13,018.65	12,128.66	24.77	18.71	-67.57	-67.57	-67.57	-650.75	-134.87	1,011.56	970.54	41.02	24.659	
13,600.00	12,516.53	13,118.65	12,129.53	25.36	19.30	-67.57	-67.57	-67.57	-750.74	-134.01	1,011.56	969.44	42.12	24.017	
13,700.00	12,517.40	13,218.65	12,130.41	26.00	20.01	-67.57	-67.57	-67.57	-850.73	-133.15	1,011.56	968.22	43.34	23.341	

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error: 0.00 usft	
Junior Mint Fed Pad - Junior Mint Fed 135H - OH - Plan 1														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)	Major Axis Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
19,000.00	12,563.68	18,518.66	12,176.58	87.76	86.11	-67.56	-6,150.33	-87.52	1,011.61	850.08	161.53	6.263			
19,100.00	12,564.55	18,618.66	12,177.45	89.08	87.46	-67.56	-6,250.33	-86.66	1,011.61	847.59	164.02	6.168			
19,200.00	12,565.42	18,718.66	12,178.32	90.41	88.81	-67.56	-6,350.32	-85.79	1,011.62	845.11	166.51	6.075			
19,300.00	12,566.29	18,818.66	12,179.20	91.73	90.16	-67.56	-6,450.31	-84.93	1,011.62	842.62	169.00	5.986			
19,400.00	12,567.17	18,918.66	12,180.07	93.06	91.51	-67.56	-6,550.30	-84.07	1,011.62	840.12	171.49	5.899			
19,500.00	12,568.04	19,018.66	12,180.94	94.39	92.86	-67.56	-6,650.30	-83.21	1,011.62	837.63	173.99	5.814			
19,600.00	12,568.91	19,118.66	12,181.81	95.72	94.21	-67.56	-6,750.29	-82.35	1,011.62	835.13	176.49	5.732			
19,700.00	12,569.79	19,218.66	12,182.68	97.05	95.56	-67.56	-6,850.28	-81.49	1,011.62	832.64	178.98	5.652			
19,800.00	12,570.66	19,318.66	12,183.55	98.38	96.91	-67.56	-6,950.27	-80.63	1,011.62	830.14	181.49	5.574			
19,900.00	12,571.53	19,418.66	12,184.42	99.71	98.26	-67.56	-7,050.27	-79.77	1,011.62	827.64	183.99	5.498			
20,000.00	12,572.41	19,518.66	12,185.29	101.04	99.61	-67.56	-7,150.26	-78.91	1,011.62	825.13	186.49	5.425			
20,100.00	12,573.28	19,618.66	12,186.17	102.38	100.97	-67.56	-7,250.25	-78.05	1,011.62	822.63	188.99	5.353			
20,200.00	12,574.15	19,718.66	12,187.04	103.71	102.32	-67.56	-7,350.24	-77.19	1,011.62	820.12	191.50	5.283			
20,300.00	12,575.02	19,818.66	12,187.91	105.05	103.68	-67.56	-7,450.24	-76.32	1,011.63	817.62	194.01	5.214			
20,400.00	12,575.90	19,918.66	12,188.78	106.39	105.03	-67.56	-7,550.23	-75.46	1,011.63	815.11	196.52	5.148			
20,500.00	12,576.77	20,018.66	12,189.65	107.72	106.38	-67.56	-7,650.22	-74.60	1,011.63	812.60	199.03	5.083			
20,600.00	12,577.64	20,118.66	12,190.52	109.06	107.74	-67.56	-7,750.21	-73.74	1,011.63	810.09	201.54	5.020			
20,700.00	12,578.52	20,218.66	12,191.39	110.40	109.09	-67.56	-7,850.21	-72.88	1,011.63	807.58	204.05	4.958			
20,800.00	12,579.39	20,318.66	12,192.27	111.74	110.45	-67.56	-7,950.20	-72.02	1,011.63	805.07	206.56	4.897			
20,900.00	12,580.26	20,418.66	12,193.14	113.08	111.81	-67.56	-8,050.19	-71.16	1,011.63	802.56	209.08	4.839			
21,000.00	12,581.14	20,518.66	12,194.01	114.43	113.16	-67.56	-8,150.18	-70.30	1,011.63	800.04	211.59	4.781			
21,100.00	12,582.01	20,618.66	12,194.88	115.77	114.52	-67.56	-8,250.18	-69.44	1,011.63	797.53	214.11	4.725			
21,200.00	12,582.88	20,718.66	12,195.75	117.11	115.88	-67.56	-8,350.17	-68.58	1,011.63	795.01	216.62	4.670			
21,300.00	12,583.76	20,818.66	12,196.62	118.45	117.23	-67.56	-8,450.16	-67.71	1,011.64	792.49	219.14	4.616			
21,400.00	12,584.63	20,918.66	12,197.49	119.80	118.59	-67.56	-8,550.15	-66.85	1,011.64	789.97	221.66	4.564			
21,500.00	12,585.50	21,018.66	12,198.36	121.14	119.95	-67.56	-8,650.15	-65.99	1,011.64	787.46	224.18	4.513			
21,600.00	12,586.37	21,118.66	12,199.24	122.49	121.31	-67.56	-8,750.14	-65.13	1,011.64	784.94	226.70	4.462			
21,700.00	12,587.25	21,218.66	12,200.11	123.83	122.67	-67.56	-8,850.13	-64.27	1,011.64	782.42	229.22	4.413			
21,800.00	12,588.12	21,318.66	12,200.98	125.18	124.03	-67.56	-8,950.12	-63.41	1,011.64	779.90	231.75	4.365			
21,900.00	12,588.99	21,418.66	12,201.85	126.53	125.38	-67.56	-9,050.12	-62.55	1,011.64	777.37	234.27	4.318			
22,000.00	12,589.87	21,518.66	12,202.72	127.87	126.74	-67.56	-9,150.11	-61.69	1,011.64	774.85	236.79	4.272			
22,100.00	12,590.74	21,618.66	12,203.59	129.22	128.10	-67.56	-9,250.10	-60.83	1,011.64	772.33	239.32	4.227			
22,200.00	12,591.61	21,718.66	12,204.46	130.57	129.46	-67.56	-9,350.09	-59.97	1,011.64	769.80	241.84	4.183			
22,300.00	12,592.49	21,818.66	12,205.33	131.92	130.82	-67.56	-9,450.09	-59.11	1,011.65	767.28	244.37	4.140			
22,400.00	12,593.36	21,918.66	12,206.21	133.27	132.18	-67.56	-9,550.08	-58.24	1,011.65	764.75	246.89	4.098			
22,500.00	12,594.23	22,018.66	12,207.08	134.62	133.54	-67.56	-9,650.07	-57.38	1,011.65	762.23	249.42	4.056			
22,600.00	12,595.10	22,118.66	12,207.95	135.97	134.90	-67.56	-9,750.06	-56.52	1,011.65	759.70	251.95	4.015			
22,700.00	12,595.98	22,218.66	12,208.82	137.32	136.26	-67.56	-9,850.06	-55.66	1,011.65	757.17	254.48	3.975			
22,800.00	12,596.85	22,318.66	12,209.69	138.67	137.62	-67.56	-9,950.05	-54.80	1,011.65	754.65	257.00	3.936			
22,809.24	12,596.93	22,327.89	12,209.77	138.79	137.75	-67.56	-9,959.29	-54.72	1,011.65	754.41	257.24	3.933			
22,897.27	12,597.70	22,411.61	12,210.50	139.98	138.89	-67.56	-10,043.00	-54.00	1,011.66	752.30	259.36	3.901	SF		

Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 137H - OH - Plan 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)													Offset Well Error:	0.50 usft
Reference Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Major 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)						
0.00	0.00	0.00	0.00	0.50	0.50	7.70	185.00	25.00	186.68					
100.00	100.00	99.00	99.00	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	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	7.70	185.00	25.00	186.68	182.72	3.96	47.165	CC	
400.00	399.99	397.20	397.19	2.41	2.40	75.65	185.30	26.20	186.82	182.16	4.66	40.086	ES	
500.00	499.91	495.02	494.94	2.78	2.76	77.83	186.19	29.83	187.44	182.17	5.27	35.549		
600.00	599.69	592.14	591.86	3.12	3.09	81.39	187.67	35.84	189.10	183.26	5.83	32.416		
633.33	632.91	624.30	623.91	3.15	3.14	82.86	188.29	38.36	190.03	184.12	5.91	32.176		
700.00	699.32	689.83	689.19	3.26	3.24	86.01	189.66	43.89	192.49	186.37	6.12	31.468		
800.00	798.94	788.46	787.45	3.50	3.47	90.60	191.72	52.24	197.29	190.67	6.62	29.786		
900.00	898.56	887.09	885.71	3.74	3.71	94.95	193.77	60.59	203.32	196.20	7.12	28.560		
1,000.00	998.18	985.72	983.96	3.98	3.94	99.03	195.83	68.93	210.47	202.87	7.60	27.704		
1,100.00	1,097.80	1,084.36	1,082.22	4.21	4.16	102.83	197.89	77.28	218.63	210.57	8.06	27.124		
1,200.00	1,197.42	1,182.99	1,180.47	4.43	4.39	106.35	199.95	85.63	227.70	219.19	8.51	26.751		
1,252.78	1,250.00	1,235.04	1,232.33	4.50	4.50	108.10	201.03	90.03	232.81	224.12	8.70	26.774		
1,300.00	1,297.01	1,281.57	1,278.68	4.56	4.60	109.59	202.00	93.97	237.66	228.80	8.86	26.833		
1,400.00	1,396.38	1,379.77	1,376.50	4.82	4.81	112.93	204.05	102.28	249.23	239.92	9.31	26.769		
1,500.00	1,495.41	1,477.46	1,473.82	5.08	5.02	116.42	206.09	110.54	262.80	253.03	9.77	26.902		
1,600.00	1,594.05	1,574.57	1,570.57	5.34	5.22	119.96	208.12	118.76	278.64	268.41	10.23	27.231		
1,700.00	1,692.22	1,671.04	1,666.67	5.60	5.42	123.48	210.13	126.93	296.98	286.28	10.70	27.752		
1,800.00	1,789.86	1,766.80	1,762.07	5.85	5.62	126.89	212.13	135.03	318.00	306.82	11.17	28.460		
1,819.64	1,808.97	1,785.52	1,780.71	5.87	5.66	127.55	212.52	136.61	322.45	311.20	11.25	28.674		
1,900.00	1,887.11	1,862.05	1,856.95	6.02	5.81	130.28	214.11	143.09	341.26	329.68	11.59	29.455		
2,000.00	1,984.35	1,957.28	1,951.82	6.24	6.01	133.30	216.10	151.15	365.62	353.59	12.03	30.384		
2,100.00	2,081.58	2,052.52	2,046.69	6.46	6.20	135.94	218.09	159.21	390.85	378.37	12.47	31.336		
2,200.00	2,178.82	2,147.75	2,141.56	6.68	6.39	138.27	220.08	167.27	416.78	403.87	12.91	32.283		
2,300.00	2,276.06	2,239.18	2,232.63	6.90	6.59	140.26	222.02	175.14	443.45	430.11	13.33	33.261		
2,400.00	2,373.29	2,323.73	2,316.70	7.15	6.77	141.90	224.18	183.90	472.31	458.59	13.72	34.417		
2,500.00	2,470.53	2,407.10	2,399.38	7.41	6.96	143.35	226.74	194.30	503.65	489.54	14.11	35.691		
2,600.00	2,567.76	2,489.25	2,480.59	7.70	7.15	144.62	229.69	206.27	537.36	522.87	14.49	37.089		
2,700.00	2,665.00	2,570.12	2,560.27	7.99	7.34	145.73	233.00	219.70	573.31	558.45	14.85	38.595		
2,800.00	2,762.23	2,649.67	2,638.34	8.28	7.53	146.69	236.65	234.50	611.40	596.19	15.21	40.198		
2,900.00	2,859.47	2,727.87	2,714.76	8.58	7.71	147.52	240.62	250.59	651.55	636.00	15.56	41.884		
3,000.00	2,956.71	2,800.00	2,784.94	8.88	7.88	148.20	244.61	266.78	693.69	677.83	15.86	43.736		
3,100.00	3,053.94	2,881.39	2,863.74	9.18	8.04	148.87	249.49	286.58	737.66	721.47	16.19	45.560		
3,200.00	3,151.18	2,970.46	2,949.77	9.48	8.21	149.52	255.01	308.97	782.46	765.88	16.59	47.178		
3,300.00	3,248.41	3,059.53	3,035.81	9.79	8.40	150.10	260.52	331.35	827.33	810.34	16.99	48.685		
3,400.00	3,345.65	3,148.60	3,121.84	10.09	8.59	150.62	266.04	353.74	872.27	854.86	17.40	50.120		
3,500.00	3,442.88	3,237.67	3,207.87	10.40	8.79	151.09	271.56	376.13	917.25	899.44	17.81	51.489		
3,600.00	3,540.12	3,326.74	3,293.91	10.70	8.99	151.51	277.08	398.52	962.28	944.05	18.23	52.795		
3,700.00	3,637.36	3,415.81	3,379.94	11.01	9.20	151.90	282.60	420.91	1,007.35	988.71	18.64	54.042		
3,800.00	3,734.59	3,504.88	3,465.97	11.32	9.43	152.25	288.12	443.29	1,052.45	1,033.40	19.05	55.233		
3,900.00	3,831.83	3,593.95	3,552.01	11.63	9.68	152.58	293.64	465.68	1,097.58	1,078.11	19.47	56.372		
4,000.00	3,929.06	3,683.02	3,638.04	11.94	9.95	152.88	299.15	488.07	1,142.74	1,122.85	19.89	57.461		
4,100.00	4,026.30	3,772.09	3,724.08	12.25	10.22	153.15	304.67	510.46	1,187.92	1,167.61	20.31	58.503		
4,200.00	4,123.54	3,861.16	3,810.11	12.56	10.49	153.41	310.19	532.84	1,233.12	1,212.40	20.72	59.502		
4,300.00	4,220.77	3,950.23	3,896.14	12.87	10.77	153.65	315.71	555.23	1,278.34	1,257.20	21.14	60.458		
4,400.00	4,318.01	4,039.30	3,982.18	13.18	11.05	153.87	321.23	577.62	1,323.58	1,302.01	21.57	61.375		
4,500.00	4,415.24	4,128.37	4,068.21	13.50	11.34	154.08	326.75	600.01	1,368.83	1,346.84	21.99	62.256		
4,600.00	4,512.48	4,217.44	4,154.24	13.81	11.62	154.27	332.27	622.40	1,414.09	1,391.68	22.41	63.101		
4,700.00	4,609.71	4,306.51	4,240.28	14.12	11.91	154.46	337.78	644.78	1,459.37	1,436.53	22.83	63.912		
4,800.00	4,706.95	4,395.58	4,326.31	14.43	12.20	154.63	343.30	667.17	1,504.65	1,481.39	23.26	64.692		

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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 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)							
4,900.00	4,804.19	4,484.65	4,412.34	14.75	12.49	154.79	348.82	689.56	1,549.95	1,526.26	23.68	65.443			
5,000.00	4,901.42	4,573.72	4,498.38	15.06	12.78	154.94	354.34	711.95	1,595.26	1,571.14	24.11	66.164			
5,100.00	4,998.66	4,662.79	4,584.41	15.38	13.07	155.08	359.86	734.34	1,640.57	1,616.03	24.54	66.859			
5,200.00	5,095.89	4,751.86	4,670.45	15.69	13.37	155.22	365.38	756.72	1,685.89	1,660.93	24.97	67.528			
5,300.00	5,193.13	4,840.93	4,756.48	16.00	13.66	155.35	370.89	779.11	1,731.22	1,705.83	25.39	68.173			
5,400.00	5,290.37	4,930.00	4,842.51	16.32	13.96	155.47	376.41	801.50	1,776.56	1,750.73	25.82	68.794			
5,500.00	5,387.60	5,019.07	4,928.55	16.63	14.26	155.59	381.93	823.89	1,821.90	1,795.65	26.25	69.393			
5,600.00	5,484.84	5,108.14	5,014.58	16.95	14.55	155.70	387.45	846.28	1,867.25	1,840.56	26.69	69.972			
5,697.99	5,580.12	5,195.42	5,098.88	17.26	14.85	155.80	392.86	868.21	1,911.69	1,884.58	27.11	70.522			
5,700.00	5,582.07	5,197.21	5,100.61	17.26	14.85	155.81	392.97	868.66	1,912.60	1,885.49	27.12	70.535			
5,800.00	5,679.61	5,286.85	5,187.20	17.56	15.15	156.19	398.52	891.20	1,956.85	1,929.29	27.55	71.017			
5,900.00	5,777.70	5,377.55	5,274.81	17.84	15.46	156.52	404.14	913.99	1,998.93	1,970.95	27.99	71.420			
6,000.00	5,876.26	5,469.24	5,363.37	18.08	15.77	156.79	409.82	937.04	2,038.83	2,010.41	28.42	71.743			
6,100.00	5,975.23	5,561.87	5,452.84	18.30	16.08	157.01	415.56	960.32	2,076.51	2,047.67	28.84	71.993			
6,200.00	6,074.54	5,655.36	5,543.14	18.48	16.40	157.18	421.35	983.82	2,111.95	2,082.69	29.26	72.175			
6,300.00	6,174.12	5,749.66	5,634.23	18.64	16.72	157.31	427.20	1,007.52	2,145.12	2,115.45	29.67	72.294			
6,400.00	6,273.91	5,844.69	5,726.02	18.77	17.04	157.39	433.09	1,031.41	2,176.01	2,145.94	30.07	72.358			
6,500.00	6,373.83	5,972.50	5,849.58	18.87	17.46	157.39	440.90	1,063.13	2,204.42	2,173.82	30.60	72.049			
6,598.18	6,472.00	6,191.59	6,063.45	18.95	18.10	90.03	452.25	1,109.17	2,226.21	2,194.78	31.44	70.810			
6,600.00	6,473.82	6,195.71	6,067.50	18.95	18.11	90.02	452.44	1,109.92	2,226.55	2,195.09	31.45	70.792			
6,700.00	6,573.82	6,382.04	6,251.33	19.00	18.55	89.83	459.67	1,139.28	2,241.88	2,209.83	32.05	69.958			
6,800.00	6,673.82	6,657.12	6,524.85	19.05	19.02	89.66	466.53	1,167.09	2,251.42	2,218.62	32.80	68.646			
6,900.00	6,773.82	6,891.56	6,759.09	19.11	19.25	89.61	468.60	1,175.50	2,255.01	2,221.75	33.26	67.796			
7,000.00	6,873.82	7,005.29	6,872.82	19.16	19.30	89.61	468.62	1,175.57	2,255.04	2,221.67	33.37	67.572			
7,100.00	6,973.82	7,105.29	6,972.82	19.22	19.35	89.61	468.62	1,175.57	2,255.04	2,221.56	33.48	67.357			
7,200.00	7,073.82	7,205.29	7,072.82	19.27	19.40	89.61	468.62	1,175.57	2,255.04	2,221.46	33.59	67.143			
7,300.00	7,173.82	7,305.29	7,172.82	19.33	19.45	89.61	468.62	1,175.57	2,255.04	2,221.35	33.69	66.929			
7,400.00	7,273.82	7,405.29	7,272.82	19.38	19.50	89.61	468.62	1,175.57	2,255.04	2,221.24	33.80	66.716			
7,500.00	7,373.82	7,505.29	7,372.82	19.44	19.55	89.61	468.62	1,175.57	2,255.04	2,221.13	33.91	66.503			
7,600.00	7,473.82	7,605.29	7,472.82	19.49	19.61	89.61	468.62	1,175.57	2,255.04	2,221.02	34.02	66.291			
7,700.00	7,573.82	7,705.29	7,572.82	19.55	19.66	89.61	468.62	1,175.57	2,255.04	2,220.92	34.13	66.079			
7,800.00	7,673.82	7,805.29	7,672.82	19.60	19.71	89.61	468.62	1,175.57	2,255.04	2,220.81	34.24	65.868			
7,900.00	7,773.82	7,905.29	7,772.82	19.66	19.76	89.61	468.62	1,175.57	2,255.04	2,220.70	34.35	65.657			
8,000.00	7,873.82	8,005.29	7,872.82	19.72	19.81	89.61	468.62	1,175.57	2,255.04	2,220.59	34.46	65.447			
8,100.00	7,973.82	8,105.29	7,972.82	19.77	19.87	89.61	468.62	1,175.57	2,255.04	2,220.48	34.57	65.237			
8,200.00	8,073.82	8,205.29	8,072.82	19.83	19.92	89.61	468.62	1,175.57	2,255.04	2,220.36	34.68	65.028			
8,300.00	8,173.82	8,305.29	8,172.82	19.89	19.97	89.61	468.62	1,175.57	2,255.04	2,220.25	34.79	64.820			
8,400.00	8,273.82	8,405.29	8,272.82	19.94	20.03	89.61	468.62	1,175.57	2,255.04	2,220.14	34.90	64.612			
8,500.00	8,373.82	8,505.29	8,372.82	20.00	20.08	89.61	468.62	1,175.57	2,255.04	2,220.03	35.01	64.404			
8,600.00	8,473.82	8,605.29	8,472.82	20.06	20.13	89.61	468.62	1,175.57	2,255.04	2,219.92	35.13	64.198			
8,700.00	8,573.82	8,705.29	8,572.82	20.11	20.19	89.61	468.62	1,175.57	2,255.04	2,219.80	35.24	63.991			
8,800.00	8,673.82	8,805.29	8,672.82	20.17	20.24	89.61	468.62	1,175.57	2,255.04	2,219.69	35.35	63.786			
8,900.00	8,773.82	8,905.29	8,772.82	20.23	20.29	89.61	468.62	1,175.57	2,255.04	2,219.58	35.47	63.581			
9,000.00	8,873.82	9,005.29	8,872.82	20.29	20.35	89.61	468.62	1,175.57	2,255.04	2,219.46	35.58	63.377			
9,100.00	8,973.82	9,105.29	8,972.82	20.35	20.40	89.61	468.62	1,175.57	2,255.04	2,219.35	35.70	63.173			
9,200.00	9,073.82	9,205.29	9,072.82	20.40	20.46	89.61	468.62	1,175.57	2,255.04	2,219.23	35.81	62.970			
9,300.00	9,173.82	9,305.29	9,172.82	20.46	20.51	89.61	468.62	1,175.57	2,255.04	2,219.12	35.93	62.768			
9,400.00	9,273.82	9,405.29	9,272.82	20.52	20.57	89.61	468.62	1,175.57	2,255.04	2,219.00	36.04	62.566			
9,500.00	9,373.82	9,505.29	9,372.82	20.58	20.62	89.61	468.62	1,175.57	2,255.04	2,218.88	36.16	62.365			
9,600.00	9,473.82	9,605.29	9,472.82	20.64	20.68	89.61	468.62	1,175.57	2,255.04	2,218.77	36.28	62.165			
9,700.00	9,573.82	9,705.29	9,572.82	20.70	20.73	89.61	468.62	1,175.57	2,255.04	2,218.65	36.39	61.965			
9,800.00	9,673.82	9,805.29	9,672.82	20.76	20.79	89.61	468.62	1,175.57	2,255.04	2,218.53	36.51	61.766			

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)		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)			
19,000.00	12,563.68	18,621.54	12,179.58	87.76	90.22	-80.36	-6,138.94	1,232.48	2,287.39	2,113.42	173.97	13.148			
19,100.00	12,564.55	18,721.54	12,180.45	89.08	91.54	-80.36	-6,238.93	1,233.35	2,287.39	2,110.78	176.61	12.951			
19,200.00	12,565.42	18,821.54	12,181.33	90.41	92.86	-80.36	-6,338.92	1,234.21	2,287.39	2,108.14	179.26	12.760			
19,300.00	12,566.29	18,921.54	12,182.20	91.73	94.19	-80.36	-6,438.91	1,235.07	2,287.39	2,105.49	181.90	12.575			
19,400.00	12,567.17	19,021.54	12,183.07	93.06	95.52	-80.36	-6,538.91	1,235.93	2,287.40	2,102.85	184.55	12.395			
19,500.00	12,568.04	19,121.54	12,183.94	94.39	96.84	-80.36	-6,638.90	1,236.79	2,287.40	2,100.20	187.20	12.219			
19,600.00	12,568.91	19,221.54	12,184.81	95.72	98.17	-80.36	-6,738.89	1,237.65	2,287.40	2,097.55	189.85	12.049			
19,700.00	12,569.79	19,321.54	12,185.68	97.05	99.50	-80.36	-6,838.88	1,238.51	2,287.40	2,094.90	192.50	11.883			
19,800.00	12,570.66	19,421.54	12,186.56	98.38	100.83	-80.36	-6,938.88	1,239.37	2,287.40	2,092.25	195.15	11.721			
19,900.00	12,571.53	19,521.54	12,187.43	99.71	102.16	-80.36	-7,038.87	1,240.24	2,287.40	2,089.60	197.80	11.564			
20,000.00	12,572.41	19,621.54	12,188.30	101.04	103.50	-80.36	-7,138.86	1,241.10	2,287.40	2,086.94	200.46	11.411			
20,100.00	12,573.28	19,721.54	12,189.17	102.38	104.83	-80.36	-7,238.85	1,241.96	2,287.40	2,084.29	203.12	11.262			
20,200.00	12,574.15	19,821.54	12,190.04	103.71	106.17	-80.36	-7,338.85	1,242.82	2,287.40	2,081.63	205.77	11.116			
20,300.00	12,575.02	19,921.54	12,190.91	105.05	107.50	-80.36	-7,438.84	1,243.68	2,287.40	2,078.97	208.43	10.974			
20,400.00	12,575.90	20,021.54	12,191.79	106.39	108.84	-80.36	-7,538.83	1,244.54	2,287.40	2,076.31	211.09	10.836			
20,500.00	12,576.77	20,121.54	12,192.66	107.72	110.18	-80.36	-7,638.82	1,245.40	2,287.40	2,073.65	213.76	10.701			
20,600.00	12,577.64	20,221.54	12,193.53	109.06	111.51	-80.36	-7,738.82	1,246.26	2,287.41	2,070.99	216.42	10.569			
20,700.00	12,578.52	20,321.54	12,194.40	110.40	112.85	-80.36	-7,838.81	1,247.13	2,287.41	2,068.32	219.08	10.441			
20,800.00	12,579.39	20,421.54	12,195.27	111.74	114.19	-80.36	-7,938.80	1,247.99	2,287.41	2,065.66	221.75	10.315			
20,900.00	12,580.26	20,521.54	12,196.14	113.08	115.53	-80.36	-8,038.79	1,248.85	2,287.41	2,062.99	224.41	10.193			
21,000.00	12,581.14	20,621.54	12,197.01	114.43	116.87	-80.36	-8,138.79	1,249.71	2,287.41	2,060.33	227.08	10.073			
21,100.00	12,582.01	20,721.54	12,197.89	115.77	118.21	-80.36	-8,238.78	1,250.57	2,287.41	2,057.66	229.75	9.956			
21,200.00	12,582.88	20,821.54	12,198.76	117.11	119.56	-80.36	-8,338.77	1,251.43	2,287.41	2,054.99	232.42	9.842			
21,300.00	12,583.76	20,921.54	12,199.63	118.45	120.90	-80.36	-8,438.76	1,252.29	2,287.41	2,052.33	235.09	9.730			
21,400.00	12,584.63	21,021.54	12,200.50	119.80	122.24	-80.36	-8,538.76	1,253.16	2,287.41	2,049.66	237.76	9.621			
21,500.00	12,585.50	21,121.54	12,201.37	121.14	123.59	-80.36	-8,638.75	1,254.02	2,287.41	2,046.99	240.43	9.514			
21,600.00	12,586.37	21,221.54	12,202.24	122.49	124.93	-80.36	-8,738.74	1,254.88	2,287.41	2,044.32	243.10	9.409			
21,700.00	12,587.25	21,321.54	12,203.12	123.83	126.28	-80.36	-8,838.73	1,255.74	2,287.42	2,041.64	245.77	9.307			
21,800.00	12,588.12	21,421.54	12,203.99	125.18	127.62	-80.36	-8,938.73	1,256.60	2,287.42	2,038.97	248.44	9.207			
21,900.00	12,588.99	21,521.54	12,204.86	126.53	128.97	-80.36	-9,038.72	1,257.46	2,287.42	2,036.30	251.12	9.109			
22,000.00	12,589.87	21,621.54	12,205.73	127.87	130.32	-80.36	-9,138.71	1,258.32	2,287.42	2,033.63	253.79	9.013			
22,100.00	12,590.74	21,721.54	12,206.60	129.22	131.66	-80.36	-9,238.70	1,259.18	2,287.42	2,030.95	256.47	8.919			
22,200.00	12,591.61	21,821.54	12,207.47	130.57	133.01	-80.36	-9,338.70	1,260.05	2,287.42	2,028.28	259.14	8.827			
22,300.00	12,592.49	21,921.54	12,208.35	131.92	134.36	-80.36	-9,438.69	1,260.91	2,287.42	2,025.60	261.82	8.737			
22,400.00	12,593.36	22,021.54	12,209.22	133.27	135.71	-80.36	-9,538.68	1,261.77	2,287.42	2,022.92	264.50	8.648			
22,500.00	12,594.23	22,121.54	12,210.09	134.62	137.06	-80.36	-9,638.67	1,262.63	2,287.42	2,020.25	267.17	8.562			
22,600.00	12,595.10	22,221.54	12,210.96	135.97	138.41	-80.36	-9,738.67	1,263.49	2,287.42	2,017.57	269.85	8.477			
22,700.00	12,595.98	22,321.54	12,211.83	137.32	139.76	-80.36	-9,838.66	1,264.35	2,287.42	2,014.89	272.53	8.393			
22,800.00	12,596.85	22,421.54	12,212.70	138.67	141.11	-80.36	-9,938.65	1,265.21	2,287.42	2,012.21	275.21	8.312			
22,808.58	12,596.93	22,430.12	12,212.78	138.79	141.22	-80.36	-9,947.23	1,265.29	2,287.42	2,011.98	275.44	8.305			
22,897.27	12,597.70	22,512.90	12,213.50	139.98	142.34	-80.36	-10,030.00	1,266.00	2,287.43	2,009.69	277.74	8.236	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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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		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	45.00	25.00	25.00	35.36				
100.00	100.00	100.00	100.00	0.98	0.98	45.00	25.00	25.00	35.36	33.39	1.96	18.018	
200.00	200.00	200.00	200.00	1.56	1.56	45.00	25.00	25.00	35.36	32.23	3.12	11.324	
300.00	300.00	300.00	300.00	1.98	1.98	45.00	25.00	25.00	35.36	31.39	3.96	8.923	CC
400.00	399.99	399.99	399.99	2.41	2.33	114.15	25.00	25.00	35.87	31.20	4.67	7.680	ES
500.00	499.91	499.91	499.91	2.78	2.63	119.58	25.00	25.00	37.65	32.35	5.30	7.103	
600.00	599.69	600.30	600.29	3.12	2.98	125.99	25.55	23.80	40.52	34.61	5.91	6.860	
633.33	632.91	633.80	633.77	3.15	3.08	127.91	25.97	22.87	41.59	35.56	6.03	6.892	
700.00	699.32	700.86	700.77	3.26	3.29	130.87	27.19	20.19	43.50	37.16	6.34	6.865	
800.00	798.94	801.59	801.28	3.50	3.58	132.79	29.93	14.17	45.08	38.23	6.85	6.580	
900.00	898.56	901.84	901.16	3.74	3.70	132.70	33.49	6.34	45.36	38.15	7.21	6.291	
1,000.00	998.18	1,001.84	1,000.78	3.98	3.92	132.48	37.10	-1.60	45.55	37.89	7.66	5.945	
1,100.00	1,097.80	1,101.84	1,100.39	4.21	4.14	132.27	40.71	-9.53	45.74	37.64	8.10	5.648	
1,200.00	1,197.42	1,201.84	1,200.01	4.43	4.36	132.06	44.32	-17.46	45.94	37.41	8.53	5.385	
1,252.78	1,250.00	1,255.03	1,252.97	4.50	4.49	131.59	46.40	-22.02	45.80	37.10	8.70	5.262	
1,300.00	1,297.01	1,302.61	1,300.27	4.56	4.61	130.84	48.51	-26.66	45.48	36.62	8.86	5.136	
1,400.00	1,396.38	1,403.34	1,400.19	4.82	4.87	129.17	53.79	-38.26	44.86	35.57	9.29	4.827	
1,500.00	1,495.41	1,504.03	1,499.69	5.08	5.11	127.37	60.15	-52.24	44.33	34.60	9.73	4.557	
1,600.00	1,594.05	1,604.68	1,598.72	5.34	5.36	125.45	67.60	-68.60	43.90	33.74	10.16	4.320	
1,652.73	1,645.88	1,657.59	1,650.60	5.48	5.43	124.47	71.92	-78.09	43.75	33.40	10.35	4.228	
1,700.00	1,692.22	1,704.86	1,696.92	5.60	5.50	124.14	75.82	-86.67	43.92	33.38	10.54	4.167	
1,800.00	1,789.86	1,804.84	1,794.90	5.85	5.71	125.47	84.07	-104.80	45.37	34.33	11.03	4.112	SF
1,819.64	1,808.97	1,824.47	1,814.13	5.87	5.75	126.03	85.69	-108.36	45.84	34.72	11.11	4.125	
1,900.00	1,887.11	1,904.78	1,892.83	6.02	5.91	128.43	92.32	-122.93	47.92	36.43	11.49	4.171	
2,000.00	1,984.35	2,004.72	1,990.76	6.24	6.12	131.13	100.57	-141.06	50.62	38.63	11.99	4.223	
2,100.00	2,081.58	2,104.65	2,088.70	6.46	6.33	133.55	108.82	-159.19	53.42	40.94	12.48	4.280	
2,200.00	2,178.82	2,204.59	2,186.63	6.68	6.54	135.73	117.07	-177.31	56.31	43.34	12.97	4.340	
2,300.00	2,276.06	2,304.53	2,284.56	6.90	6.76	137.69	125.32	-195.44	59.27	45.81	13.46	4.404	
2,400.00	2,373.29	2,404.46	2,382.49	7.15	6.98	139.46	133.57	-213.57	62.29	48.35	13.94	4.469	
2,500.00	2,470.53	2,504.40	2,480.42	7.41	7.21	141.07	141.82	-231.69	65.37	50.96	14.42	4.535	
2,600.00	2,567.76	2,604.34	2,578.36	7.70	7.45	142.54	150.07	-249.82	68.50	53.61	14.89	4.600	
2,700.00	2,665.00	2,704.27	2,676.29	7.99	7.70	143.87	158.32	-267.95	71.66	56.30	15.36	4.666	
2,800.00	2,762.23	2,804.21	2,774.22	8.28	7.95	145.09	166.57	-286.07	74.86	59.03	15.83	4.730	
2,900.00	2,859.47	2,904.15	2,872.15	8.58	8.21	146.21	174.82	-304.20	78.09	61.80	16.29	4.793	
3,000.00	2,956.71	3,004.08	2,970.08	8.88	8.47	147.24	183.07	-322.33	81.35	64.60	16.75	4.855	
3,100.00	3,053.94	3,104.02	3,068.02	9.18	8.73	148.19	191.32	-340.46	84.64	67.42	17.22	4.916	
3,200.00	3,151.18	3,203.96	3,165.95	9.48	8.99	149.07	199.57	-358.58	87.94	70.27	17.68	4.975	
3,300.00	3,248.41	3,303.89	3,263.88	9.79	9.26	149.89	207.82	-376.71	91.27	73.13	18.13	5.033	
3,400.00	3,345.65	3,403.83	3,361.81	10.09	9.52	150.65	216.07	-394.84	94.61	76.02	18.59	5.089	
3,500.00	3,442.88	3,503.77	3,459.74	10.40	9.78	151.35	224.32	-412.96	97.96	78.92	19.05	5.144	
3,600.00	3,540.12	3,603.70	3,557.68	10.70	10.05	152.01	232.57	-431.09	101.34	81.84	19.50	5.197	
3,700.00	3,637.36	3,703.64	3,655.61	11.01	10.32	152.63	240.82	-449.22	104.72	84.77	19.95	5.248	
3,800.00	3,734.59	3,803.57	3,753.54	11.32	10.58	153.21	249.07	-467.35	108.11	87.71	20.41	5.298	
3,900.00	3,831.83	3,903.51	3,851.47	11.63	10.85	153.75	257.32	-485.47	111.52	90.66	20.86	5.347	
4,000.00	3,929.06	4,003.45	3,949.40	11.94	11.12	154.26	265.57	-503.60	114.93	93.62	21.31	5.393	
4,100.00	4,026.30	4,103.38	4,047.34	12.25	11.38	154.75	273.82	-521.73	118.36	96.60	21.76	5.439	
4,200.00	4,123.54	4,203.32	4,145.27	12.56	11.65	155.20	282.07	-539.85	121.79	99.58	22.21	5.483	
4,300.00	4,220.77	4,303.26	4,243.20	12.87	11.92	155.63	290.32	-557.98	125.23	102.57	22.66	5.526	
4,400.00	4,318.01	4,403.19	4,341.13	13.18	12.19	156.04	298.57	-576.11	128.67	105.56	23.11	5.568	
4,500.00	4,415.24	4,503.13	4,439.06	13.50	12.46	156.42	306.82	-594.24	132.12	108.56	23.56	5.608	
4,600.00	4,512.48	4,603.07	4,536.99	13.81	12.72	156.79	315.07	-612.36	135.58	111.57	24.01	5.647	
4,700.00	4,609.71	4,703.00	4,634.93	14.12	12.99	157.13	323.32	-630.49	139.04	114.58	24.46	5.685	

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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		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)			Toolface (°)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			Separation (usft)	Factor		
4,800.00	4,706.95	4,802.94	4,732.86	14.43	13.26	157.47				331.57	-648.62	142.51	117.60	24.91	5.722				
4,900.00	4,804.19	4,902.88	4,830.79	14.75	13.53	157.78				339.82	-666.74	145.98	120.63	25.35	5.758				
5,000.00	4,901.42	5,002.81	4,928.72	15.06	13.80	158.08				348.07	-684.87	149.45	123.65	25.80	5.793				
5,100.00	4,998.66	5,102.75	5,026.65	15.38	14.07	158.37				356.32	-703.00	152.93	126.68	26.25	5.826				
5,200.00	5,095.89	5,202.69	5,124.59	15.69	14.34	158.64				364.57	-721.12	156.42	129.72	26.70	5.859				
5,300.00	5,193.13	5,302.62	5,222.52	16.00	14.61	158.90				372.82	-739.25	159.90	132.76	27.14	5.891				
5,400.00	5,290.37	5,402.56	5,320.45	16.32	14.89	159.15				381.07	-757.38	163.39	135.80	27.59	5.922				
5,500.00	5,387.60	5,502.50	5,418.38	16.63	15.16	159.39				389.32	-775.51	166.89	138.85	28.04	5.952				
5,600.00	5,484.84	5,602.43	5,516.31	16.95	15.43	159.62				397.57	-793.63	170.38	141.90	28.48	5.981				
5,697.99	5,580.12	5,700.36	5,612.28	17.26	15.69	159.84				405.66	-811.40	173.81	144.89	28.92	6.010				
5,700.00	5,582.07	5,702.37	5,614.25	17.26	15.70	159.85				405.82	-811.76	173.88	144.95	28.93	6.010				
5,800.00	5,679.61	5,802.34	5,712.21	17.56	15.97	159.92				414.08	-829.89	176.10	146.71	29.39	5.992				
5,900.00	5,777.70	5,902.34	5,810.20	17.84	16.25	159.68				422.33	-848.03	175.87	146.01	29.86	5.890				
6,000.00	5,876.26	6,000.00	5,906.13	18.08	16.50	159.29				429.92	-864.71	174.27	143.95	30.32	5.748				
6,100.00	5,975.23	6,094.35	5,999.21	18.30	16.72	158.92				436.29	-878.70	172.54	141.79	30.74	5.612				
6,200.00	6,074.54	6,190.35	6,094.29	18.48	16.92	158.54				441.79	-890.79	170.70	139.55	31.14	5.481				
6,300.00	6,174.12	6,286.41	6,189.73	18.64	17.09	158.16				446.30	-900.70	168.74	137.23	31.51	5.355				
6,400.00	6,273.91	6,382.52	6,285.46	18.77	17.24	157.78				449.82	-908.43	166.66	134.82	31.84	5.234				
6,500.00	6,373.83	6,478.68	6,381.43	18.87	17.36	157.40				452.34	-913.96	164.47	132.34	32.13	5.119				
6,598.18	6,472.00	6,573.16	6,475.83	18.95	17.46	89.80				453.84	-917.26	162.21	129.88	32.33	5.017				
6,600.00	6,473.82	6,574.91	6,477.58	18.95	17.46	89.80				453.86	-917.30	162.17	129.83	32.33	5.015				
6,700.00	6,573.82	6,672.34	6,575.00	19.00	17.53	89.61				454.37	-918.43	161.00	128.55	32.44	4.962				
6,733.73	6,607.55	6,704.89	6,607.55	19.02	17.54	89.61				454.37	-918.43	160.99	128.54	32.45	4.961				
6,800.00	6,673.82	6,771.16	6,673.82	19.05	17.58	89.61				454.37	-918.43	160.99	128.47	32.52	4.950				
6,900.00	6,773.82	6,871.16	6,773.82	19.11	17.64	89.61				454.37	-918.43	160.99	128.36	32.64	4.933				
7,000.00	6,873.82	6,971.16	6,873.82	19.16	17.70	89.61				454.37	-918.43	160.99	128.24	32.75	4.916				
7,100.00	6,973.82	7,071.16	6,973.82	19.22	17.76	89.61				454.37	-918.43	160.99	128.13	32.86	4.899				
7,200.00	7,073.82	7,171.16	7,073.82	19.27	17.82	89.61				454.37	-918.43	160.99	128.02	32.98	4.882				
7,300.00	7,173.82	7,271.16	7,173.82	19.33	17.87	89.61				454.37	-918.43	160.99	127.90	33.09	4.865				
7,400.00	7,273.82	7,371.16	7,273.82	19.38	17.93	89.61				454.37	-918.43	160.99	127.79	33.21	4.848				
7,500.00	7,373.82	7,471.16	7,373.82	19.44	17.99	89.61				454.37	-918.43	160.99	127.67	33.32	4.831				
7,600.00	7,473.82	7,571.16	7,473.82	19.49	18.05	89.61				454.37	-918.43	160.99	127.56	33.44	4.815				
7,700.00	7,573.82	7,671.16	7,573.82	19.55	18.11	89.61				454.37	-918.43	160.99	127.44	33.55	4.798				
7,800.00	7,673.82	7,771.16	7,673.82	19.60	18.17	89.61				454.37	-918.43	160.99	127.32	33.67	4.781				
7,900.00	7,773.82	7,871.16	7,773.82	19.66	18.23	89.61				454.37	-918.43	160.99	127.21	33.79	4.765				
8,000.00	7,873.82	7,971.16	7,873.82	19.72	18.30	89.61				454.37	-918.43	160.99	127.09	33.90	4.748				
8,100.00	7,973.82	8,071.16	7,973.82	19.77	18.36	89.61				454.37	-918.43	160.99	126.97	34.02	4.732				
8,200.00	8,073.82	8,171.16	8,073.82	19.83	18.42	89.61				454.37	-918.43	160.99	126.85	34.14	4.716				
8,300.00	8,173.82	8,271.16	8,173.82	19.89	18.48	89.61				454.37	-918.43	160.99	126.73	34.26	4.699				
8,400.00	8,273.82	8,371.16	8,273.82	19.94	18.54	89.61				454.37	-918.43	160.99	126.62	34.38	4.683				
8,500.00	8,373.82	8,471.16	8,373.82	20.00	18.60	89.61				454.37	-918.43	160.99	126.50	34.50	4.667				
8,600.00	8,473.82	8,571.16	8,473.82	20.06	18.66	89.61				454.37	-918.43	160.99	126.38	34.62	4.651				
8,700.00	8,573.82	8,671.16	8,573.82	20.11	18.72	89.61				454.37	-918.43	160.99	126.26	34.74	4.635				
8,800.00	8,673.82	8,771.16	8,673.82	20.17	18.79	89.61				454.37	-918.43	160.99	126.14	34.86	4.619				
8,900.00	8,773.82	8,871.16	8,773.82	20.23	18.85	89.61				454.37	-918.43	160.99	126.02	34.98	4.603				
9,000.00	8,873.82	8,971.16	8,873.82	20.29	18.91	89.61				454.37	-918.43	160.99	125.90	35.10	4.587				
9,100.00	8,973.82	9,071.16	8,973.82	20.35	18.97	89.61				454.37	-918.43	160.99	125.77	35.22	4.571				
9,200.00	9,073.82	9,171.16	9,073.82	20.40	19.03	89.61				454.37	-918.43	160.99	125.65	35.34	4.555				
9,300.00	9,173.82	9,271.16	9,173.82	20.46	19.10	89.61				454.37	-918.43	160.99	125.53	35.46	4.540				
9,400.00	9,273.82	9,371.16	9,273.82	20.52	19.16	89.61				454.37	-918.43	160.99	125.41	35.58	4.524				
9,500.00	9,373.82	9,471.16	9,373.82	20.58	19.22	89.61				454.37	-918.43	160.99	125.29	35.71	4.509				
9,600.00	9,473.82	9,571.16	9,473.82	20.64	19.29	89.61				454.37	-918.43	160.99	125.16	35.83	4.493				

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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 Reference (usft)	Major Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Rule Assigned: Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)							
9,700.00	9,573.82	9,671.16	9,573.82	20.70	19.35	89.61	454.37	-918.43	160.99	125.04		35.95	4.478		
9,800.00	9,673.82	9,771.16	9,673.82	20.76	19.41	89.61	454.37	-918.43	160.99	124.92		36.08	4.463		
9,900.00	9,773.82	9,871.16	9,773.82	20.82	19.48	89.61	454.37	-918.43	160.99	124.79		36.20	4.447		
10,000.00	9,873.82	9,971.16	9,873.82	20.87	19.54	89.61	454.37	-918.43	160.99	124.67		36.32	4.432		
10,100.00	9,973.82	10,071.16	9,973.82	20.93	19.60	89.61	454.37	-918.43	160.99	124.54		36.45	4.417		
10,200.00	10,073.82	10,171.16	10,073.82	20.99	19.67	89.61	454.37	-918.43	160.99	124.42		36.57	4.402		
10,300.00	10,173.82	10,271.16	10,173.82	21.05	19.73	89.61	454.37	-918.43	160.99	124.29		36.70	4.387		
10,400.00	10,273.82	10,371.16	10,273.82	21.11	19.80	89.61	454.37	-918.43	160.99	124.17		36.82	4.372		
10,500.00	10,373.82	10,471.16	10,373.82	21.17	19.86	89.61	454.37	-918.43	160.99	124.04		36.95	4.357		
10,600.00	10,473.82	10,571.16	10,473.82	21.23	19.92	89.61	454.37	-918.43	160.99	123.92		37.08	4.342		
10,700.00	10,573.82	10,671.16	10,573.82	21.30	19.99	89.61	454.37	-918.43	160.99	123.79		37.20	4.328		
10,800.00	10,673.82	10,771.16	10,673.82	21.36	20.05	89.61	454.37	-918.43	160.99	123.66		37.33	4.313		
10,900.00	10,773.82	10,871.16	10,773.82	21.42	20.12	89.61	454.37	-918.43	160.99	123.54		37.46	4.298		
11,000.00	10,873.82	10,971.16	10,873.82	21.48	20.18	89.61	454.37	-918.43	160.99	123.41		37.58	4.284		
11,100.00	10,973.82	11,071.16	10,973.82	21.54	20.25	89.61	454.37	-918.43	160.99	123.28		37.71	4.269		
11,200.00	11,073.82	11,171.16	11,073.82	21.60	20.30	89.61	454.37	-918.43	160.99	123.17		37.83	4.256		
11,203.33	11,077.15	11,174.49	11,077.15	21.60	20.31	89.61	454.37	-918.43	160.99	123.16		37.83	4.255		
11,300.00	11,173.82	11,270.23	11,172.46	21.66	20.34	92.40	446.53	-918.36	161.20	123.47		37.74	4.272		
11,400.00	11,273.82	11,363.94	11,263.21	21.72	20.35	100.43	423.61	-918.17	164.30	126.79		37.51	4.380		
11,500.00	11,373.82	11,450.00	11,342.26	21.78	20.35	111.46	389.79	-917.87	176.42	138.65		37.76	4.672		
11,600.00	11,473.82	11,521.58	11,403.55	21.85	20.34	121.80	352.90	-917.56	203.01	163.98		39.03	5.201		
11,700.00	11,573.82	11,583.91	11,452.82	21.91	20.33	130.50	314.77	-917.23	245.22	204.37		40.85	6.002		
11,800.00	11,673.82	11,636.40	11,490.89	21.97	20.33	137.06	278.67	-916.92	300.60	257.95		42.65	7.048		
11,900.00	11,773.82	11,680.50	11,520.21	22.03	20.34	141.89	245.74	-916.63	365.91	321.71		44.20	8.279		
12,000.00	11,873.82	11,717.68	11,542.90	22.09	20.36	145.47	216.30	-916.38	438.46	392.96		45.50	9.637		
12,064.18	11,938.00	11,738.48	11,554.75	22.12	20.37	147.29	199.21	-916.23	487.92	441.70		46.22	10.557		
12,100.00	11,973.80	11,750.00	11,561.05	22.13	20.38	-29.10	189.56	-916.15	515.73	469.15		46.58	11.072		
12,150.00	12,023.50	11,765.91	11,569.41	22.15	20.39	-25.54	176.03	-916.03	553.37	506.29		47.08	11.754		
12,200.00	12,072.55	11,782.73	11,577.85	22.16	20.40	-22.66	161.48	-915.91	589.47	541.91		47.56	12.394		
12,250.00	12,120.58	11,800.00	11,586.06	22.16	20.42	-20.34	146.29	-915.78	623.86	575.83		48.03	12.989		
12,300.00	12,167.22	11,817.83	11,594.06	22.15	20.44	-18.45	130.35	-915.64	656.41	607.93		48.48	13.540		
12,350.00	12,212.11	11,835.98	11,601.68	22.13	20.46	-16.90	113.89	-915.50	687.00	638.08		48.92	14.043		
12,400.00	12,254.92	11,850.00	11,607.21	22.11	20.48	-15.69	101.00	-915.39	715.56	666.18		49.38	14.490		
12,450.00	12,295.31	11,873.21	11,615.67	22.09	20.51	-14.57	79.39	-915.20	741.92	692.16		49.76	14.911		
12,500.00	12,332.99	11,900.00	11,624.34	22.08	20.56	-13.62	54.04	-914.98	766.18	716.08		50.09	15.296		
12,550.00	12,367.66	11,900.00	11,624.34	22.06	20.56	-13.06	54.04	-914.98	788.15	737.55		50.60	15.576		
12,600.00	12,399.06	11,930.83	11,632.83	22.06	20.62	-12.37	24.41	-914.73	807.48	756.60		50.88	15.870		
12,650.00	12,426.95	11,950.00	11,637.30	22.07	20.66	-11.89	5.77	-914.57	824.60	773.38		51.22	16.100		
12,700.00	12,451.12	11,970.05	11,641.31	22.09	20.70	-11.49	-13.87	-914.40	839.27	787.74		51.53	16.288		
12,750.00	12,471.39	12,000.00	11,646.01	22.12	20.77	-11.14	-43.45	-914.14	851.61	799.83		51.77	16.449		
12,800.00	12,487.60	12,000.00	11,646.01	22.18	20.77	-10.95	-43.45	-914.14	861.26	809.15		52.11	16.526		
12,850.00	12,499.62	12,029.60	11,649.13	22.25	20.85	-10.76	-72.88	-913.89	868.26	815.94		52.32	16.595		
12,900.00	12,507.37	12,050.00	11,650.40	22.35	20.91	-10.65	-93.24	-913.72	872.83	820.30		52.53	16.616		
12,950.00	12,510.78	12,070.38	11,650.94	22.46	20.97	-10.61	-113.60	-913.54	874.84	822.14		52.70	16.601		
12,959.18	12,510.94	12,077.49	11,651.00	22.49	20.99	-10.60	-120.72	-913.48	874.91	822.20		52.71	16.598		
13,000.00	12,511.29	12,118.31	11,651.35	22.60	21.13	-10.60	-161.53	-913.13	874.91	822.16		52.75	16.585		
13,100.00	12,512.17	12,218.31	11,652.22	22.92	21.50	-10.60	-261.53	-912.27	874.92	822.05		52.87	16.547		
13,200.00	12,513.04	12,318.31	11,653.08	23.29	21.92	-10.60	-361.52	-911.41	874.93	821.91		53.01	16.504		
13,300.00	12,513.91	12,418.31	11,653.95	23.73	22.40	-10.60	-461.51	-910.55	874.93	821.76		53.17	16.454		
13,400.00	12,514.78	12,518.31	11,654.82	24.22	22.94	-10.60	-561.50	-909.69	874.94	821.59		53.35	16.399		
13,500.00	12,515.66	12,618.31	11,655.68	24.77	23.53	-10.60	-661.50	-908.82	874.95	821.39		53.55	16.338		
13,600.00	12,516.53	12,718.31	11,656.55	25.36	24.17	-10.60	-761.49	-907.96	874.95	821.18		53.77	16.272		

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)			
13,700.00	12,517.40	12,818.31	11,657.41	26.00	24.86	-10.60	-861.48	-907.10	874.96	820.95	54.01	16.201			
13,800.00	12,518.28	12,918.31	11,658.28	26.70	25.60	-10.60	-961.47	-906.24	874.97	820.71	54.26	16.125			
13,900.00	12,519.15	13,018.31	11,659.15	27.43	26.38	-10.60	-1,061.47	-905.38	874.98	820.44	54.54	16.044			
14,000.00	12,520.02	13,118.31	11,660.01	28.21	27.20	-10.60	-1,161.46	-904.52	874.98	820.16	54.83	15.959			
14,100.00	12,520.90	13,218.31	11,660.88	29.03	28.07	-10.60	-1,261.45	-903.66	874.99	819.85	55.14	15.870			
14,200.00	12,521.77	13,318.31	11,661.74	29.88	28.97	-10.60	-1,361.44	-902.80	875.00	819.53	55.46	15.777			
14,300.00	12,522.64	13,418.31	11,662.61	30.77	29.90	-10.60	-1,461.44	-901.94	875.00	819.20	55.80	15.680			
14,400.00	12,523.52	13,518.31	11,663.48	31.70	30.87	-10.60	-1,561.43	-901.08	875.01	818.85	56.16	15.579			
14,500.00	12,524.39	13,618.31	11,664.34	32.65	31.86	-10.60	-1,661.42	-900.22	875.02	818.48	56.54	15.476			
14,600.00	12,525.26	13,718.31	11,665.21	33.63	32.88	-10.60	-1,761.41	-899.36	875.02	818.09	56.93	15.369			
14,700.00	12,526.13	13,818.31	11,666.07	34.64	33.92	-10.60	-1,861.41	-898.50	875.03	817.69	57.34	15.260			
14,800.00	12,527.01	13,918.31	11,666.94	35.67	34.99	-10.60	-1,961.40	-897.64	875.04	817.27	57.76	15.149			
14,900.00	12,527.88	14,018.31	11,667.81	36.72	36.08	-10.60	-2,061.39	-896.77	875.05	816.84	58.20	15.035			
15,000.00	12,528.75	14,118.31	11,668.67	37.79	37.18	-10.60	-2,161.38	-895.91	875.05	816.40	58.66	14.919			
15,100.00	12,529.63	14,218.31	11,669.54	38.88	38.31	-10.60	-2,261.38	-895.05	875.06	815.94	59.12	14.801			
15,200.00	12,530.50	14,318.31	11,670.40	39.99	39.44	-10.60	-2,361.37	-894.19	875.07	815.46	59.60	14.681			
15,300.00	12,531.37	14,418.31	11,671.27	41.11	40.60	-10.60	-2,461.36	-893.33	875.07	814.97	60.10	14.561			
15,400.00	12,532.25	14,518.31	11,672.14	42.25	41.76	-10.60	-2,561.35	-892.47	875.08	814.47	60.61	14.439			
15,500.00	12,533.12	14,618.31	11,673.00	43.40	42.94	-10.60	-2,661.35	-891.61	875.09	813.96	61.13	14.315			
15,600.00	12,533.99	14,718.31	11,673.87	44.56	44.13	-10.60	-2,761.34	-890.75	875.09	813.43	61.66	14.192			
15,700.00	12,534.86	14,818.31	11,674.73	45.74	45.33	-10.60	-2,861.33	-889.89	875.10	812.89	62.21	14.067			
15,800.00	12,535.74	14,918.31	11,675.60	46.92	46.54	-10.60	-2,961.32	-889.03	875.11	812.34	62.77	13.942			
15,900.00	12,536.61	15,018.31	11,676.47	48.12	47.76	-10.60	-3,061.32	-888.17	875.11	811.78	63.34	13.817			
16,000.00	12,537.48	15,118.31	11,677.33	49.32	48.98	-10.60	-3,161.31	-887.31	875.12	811.20	63.92	13.691			
16,100.00	12,538.36	15,218.31	11,678.20	50.54	50.22	-10.60	-3,261.30	-886.45	875.13	810.62	64.51	13.565			
16,200.00	12,539.23	15,318.31	11,679.06	51.76	51.46	-10.60	-3,361.29	-885.58	875.14	810.02	65.12	13.440			
16,300.00	12,540.10	15,418.31	11,679.93	52.99	52.70	-10.60	-3,461.29	-884.72	875.14	809.41	65.73	13.314			
16,400.00	12,540.98	15,518.31	11,680.80	54.22	53.96	-10.60	-3,561.28	-883.86	875.15	808.80	66.35	13.189			
16,500.00	12,541.85	15,618.31	11,681.66	55.46	55.22	-10.60	-3,661.27	-883.00	875.16	808.17	66.99	13.064			
16,600.00	12,542.72	15,718.31	11,682.53	56.71	56.48	-10.60	-3,761.27	-882.14	875.16	807.53	67.63	12.940			
16,700.00	12,543.60	15,818.31	11,683.39	57.96	57.75	-10.60	-3,861.26	-881.28	875.17	806.89	68.28	12.817			
16,800.00	12,544.47	15,918.31	11,684.26	59.22	59.02	-10.60	-3,961.25	-880.42	875.18	806.23	68.95	12.694			
16,900.00	12,545.34	16,018.31	11,685.13	60.48	60.30	-10.60	-4,061.24	-879.56	875.18	805.57	69.62	12.571			
17,000.00	12,546.21	16,118.31	11,685.99	61.75	61.58	-10.60	-4,161.24	-878.70	875.19	804.89	70.30	12.450			
17,100.00	12,547.09	16,218.31	11,686.86	63.02	62.87	-10.60	-4,261.23	-877.84	875.20	804.21	70.98	12.329			
17,200.00	12,547.96	16,318.31	11,687.72	64.30	64.16	-10.60	-4,361.22	-876.98	875.20	803.52	71.68	12.210			
17,300.00	12,548.83	16,418.31	11,688.59	65.58	65.45	-10.60	-4,461.21	-876.12	875.21	802.83	72.38	12.091			
17,400.00	12,549.71	16,518.31	11,689.46	66.86	66.74	-10.60	-4,561.21	-875.26	875.22	802.12	73.10	11.974			
17,500.00	12,550.58	16,618.31	11,690.32	68.15	68.04	-10.60	-4,661.20	-874.40	875.23	801.41	73.81	11.857			
17,600.00	12,551.45	16,718.31	11,691.19	69.44	69.34	-10.60	-4,761.19	-873.53	875.23	800.69	74.54	11.742			
17,700.00	12,552.33	16,818.31	11,692.05	70.73	70.65	-10.60	-4,861.18	-872.67	875.24	799.97	75.27	11.627			
17,800.00	12,553.20	16,918.31	11,692.92	72.03	71.95	-10.60	-4,961.18	-871.81	875.25	799.23	76.01	11.514			
17,900.00	12,554.07	17,018.31	11,693.79	73.33	73.26	-10.60	-5,061.17	-870.95	875.25	798.49	76.76	11.403			
18,000.00	12,554.94	17,118.31	11,694.65	74.63	74.57	-10.60	-5,161.16	-870.09	875.26	797.75	77.51	11.292			
18,100.00	12,555.82	17,218.31	11,695.52	75.94	75.89	-10.60	-5,261.15	-869.23	875.27	797.00	78.27	11.182			
18,200.00	12,556.69	17,318.31	11,696.38	77.24	77.20	-10.60	-5,361.15	-868.37	875.27	796.24	79.04	11.074			
18,300.00	12,557.56	17,418.31	11,697.25	78.55	78.52	-10.60	-5,461.14	-867.51	875.28	795.47	79.81	10.967			
18,400.00	12,558.44	17,518.31	11,698.12	79.86	79.84	-10.60	-5,561.13	-866.65	875.29	794.70	80.58	10.862			
18,500.00	12,559.31	17,618.31	11,698.98	81.17	81.16	-10.60	-5,661.12	-865.79	875.30	793.93	81.37	10.758			
18,600.00	12,560.18	17,718.31	11,699.85	82.49	82.48	-10.60	-5,761.12	-864.93	875.30	793.15	82.15	10.655			
18,700.00	12,561.06	17,818.31	11,700.71	83.80	83.80	-10.60	-5,861.11	-864.07	875.31	792.36	82.95	10.553			
18,800.00	12,561.93	17,918.31	11,701.58	85.12	85.13	-10.60	-5,961.10	-863.21	875.32	791.57	83.74	10.452			

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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		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)			
18,900.00	12,562.80	18,018.31	11,702.45	86.44	86.45	-10.60	-6,061.09	-862.35	875.32	790.78	84.55	10.353	
19,000.00	12,563.68	18,118.31	11,703.31	87.76	87.78	-10.60	-6,161.09	-861.48	875.33	789.98	85.35	10.255	
19,100.00	12,564.55	18,218.31	11,704.18	89.08	89.11	-10.60	-6,261.08	-860.62	875.34	789.17	86.17	10.159	
19,200.00	12,565.42	18,318.31	11,705.04	90.41	90.44	-10.60	-6,361.07	-859.76	875.34	788.36	86.98	10.064	
19,300.00	12,566.29	18,418.31	11,705.91	91.73	91.77	-10.60	-6,461.06	-858.90	875.35	787.55	87.80	9.970	
19,400.00	12,567.17	18,518.31	11,706.78	93.06	93.11	-10.60	-6,561.06	-858.04	875.36	786.73	88.63	9.877	
19,500.00	12,568.04	18,618.31	11,707.64	94.39	94.44	-10.60	-6,661.05	-857.18	875.36	785.91	89.46	9.785	
19,600.00	12,568.91	18,718.31	11,708.51	95.72	95.77	-10.60	-6,761.04	-856.32	875.37	785.08	90.29	9.695	
19,700.00	12,569.79	18,818.31	11,709.37	97.05	97.11	-10.60	-6,861.03	-855.46	875.38	784.25	91.13	9.606	
19,800.00	12,570.66	18,918.31	11,710.24	98.38	98.45	-10.60	-6,961.03	-854.60	875.39	783.42	91.97	9.518	
19,900.00	12,571.53	19,018.31	11,711.11	99.71	99.78	-10.60	-7,061.02	-853.74	875.39	782.58	92.81	9.432	
20,000.00	12,572.41	19,118.31	11,711.97	101.04	101.12	-10.60	-7,161.01	-852.88	875.40	781.74	93.66	9.346	
20,100.00	12,573.28	19,218.31	11,712.84	102.38	102.46	-10.60	-7,261.00	-852.02	875.41	780.89	94.51	9.262	
20,200.00	12,574.15	19,318.31	11,713.70	103.71	103.80	-10.60	-7,361.00	-851.16	875.41	780.04	95.37	9.179	
20,300.00	12,575.02	19,418.31	11,714.57	105.05	105.14	-10.60	-7,460.99	-850.29	875.42	779.19	96.23	9.097	
20,400.00	12,575.90	19,518.31	11,715.44	106.39	106.48	-10.60	-7,560.98	-849.43	875.43	778.34	97.09	9.017	
20,500.00	12,576.77	19,618.31	11,716.30	107.72	107.83	-10.60	-7,660.97	-848.57	875.43	777.48	97.96	8.937	
20,600.00	12,577.64	19,718.31	11,717.17	109.06	109.17	-10.60	-7,760.97	-847.71	875.44	776.62	98.82	8.859	
20,700.00	12,578.52	19,818.31	11,718.03	110.40	110.51	-10.60	-7,860.96	-846.85	875.45	775.75	99.70	8.781	
20,800.00	12,579.39	19,918.31	11,718.90	111.74	111.86	-10.60	-7,960.95	-845.99	875.45	774.89	100.57	8.705	
20,900.00	12,580.26	20,018.31	11,719.77	113.08	113.20	-10.60	-8,060.94	-845.13	875.46	774.02	101.45	8.630	
21,000.00	12,581.14	20,118.31	11,720.63	114.43	114.55	-10.60	-8,160.94	-844.27	875.47	773.14	102.33	8.556	
21,100.00	12,582.01	20,218.31	11,721.50	115.77	115.90	-10.60	-8,260.93	-843.41	875.48	772.27	103.21	8.483	
21,200.00	12,582.88	20,318.31	11,722.36	117.11	117.24	-10.60	-8,360.92	-842.55	875.48	771.39	104.09	8.411	
21,300.00	12,583.76	20,418.31	11,723.23	118.45	118.59	-10.60	-8,460.91	-841.69	875.49	770.51	104.98	8.339	
21,400.00	12,584.63	20,518.31	11,724.10	119.80	119.94	-10.60	-8,560.91	-840.83	875.50	769.63	105.87	8.269	
21,500.00	12,585.50	20,618.31	11,724.96	121.14	121.29	-10.60	-8,660.90	-839.97	875.50	768.74	106.76	8.200	
21,600.00	12,586.37	20,718.31	11,725.83	122.49	122.63	-10.60	-8,760.89	-839.11	875.51	767.85	107.66	8.132	
21,700.00	12,587.25	20,818.31	11,726.69	123.83	123.98	-10.60	-8,860.88	-838.24	875.52	766.96	108.56	8.065	
21,800.00	12,588.12	20,918.31	11,727.56	125.18	125.33	-10.60	-8,960.88	-837.38	875.52	766.07	109.46	7.999	
21,900.00	12,588.99	21,018.31	11,728.43	126.53	126.68	-10.60	-9,060.87	-836.52	875.53	765.17	110.36	7.934	
22,000.00	12,589.87	21,118.31	11,729.29	127.87	128.03	-10.60	-9,160.86	-835.66	875.54	764.28	111.26	7.869	
22,100.00	12,590.74	21,218.31	11,730.16	129.22	129.38	-10.60	-9,260.86	-834.80	875.55	763.38	112.17	7.806	
22,200.00	12,591.61	21,318.31	11,731.02	130.57	130.74	-10.60	-9,360.85	-833.94	875.55	762.48	113.08	7.743	
22,300.00	12,592.49	21,418.31	11,731.89	131.92	132.09	-10.60	-9,460.84	-833.08	875.56	761.57	113.99	7.681	
22,400.00	12,593.36	21,518.31	11,732.76	133.27	133.44	-10.60	-9,560.83	-832.22	875.57	760.67	114.90	7.620	
22,500.00	12,594.23	21,618.31	11,733.62	134.62	134.79	-10.60	-9,660.83	-831.36	875.57	759.76	115.81	7.560	
22,600.00	12,595.10	21,718.31	11,734.49	135.97	136.14	-10.60	-9,760.82	-830.50	875.58	758.85	116.73	7.501	
22,700.00	12,595.98	21,818.31	11,735.35	137.32	137.50	-10.60	-9,860.81	-829.64	875.59	757.94	117.64	7.443	
22,800.00	12,596.85	21,918.31	11,736.22	138.67	138.85	-10.60	-9,960.80	-828.78	875.59	757.03	118.56	7.385	
22,807.85	12,596.92	21,926.16	11,736.29	138.78	138.96	-10.60	-9,968.65	-828.71	875.59	756.96	118.64	7.380	
22,897.27	12,597.70	22,008.51	11,737.00	139.98	140.07	-10.60	-10,051.00	-828.00	875.63	756.10	119.53	7.326	

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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:	
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	6.79	210.00	25.00	211.49	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	CC		
400.00	399.99	395.50	395.49	2.41	2.39	74.57	210.67	25.99	211.94	207.26	4.68	45.284	ES		
500.00	499.91	491.67	491.59	2.78	2.75	76.26	212.68	28.99	213.48	208.17	5.31	40.196			
600.00	599.69	587.27	587.00	3.12	3.08	78.98	216.03	33.96	216.48	210.59	5.89	36.774			
633.33	632.91	618.95	618.58	3.15	3.14	80.09	217.43	36.04	217.90	211.93	5.97	36.494			
700.00	699.32	684.23	683.62	3.26	3.23	82.54	220.59	40.74	221.37	215.19	6.18	35.839			
800.00	798.94	783.06	782.06	3.50	3.47	86.11	225.40	47.89	227.35	220.67	6.67	34.063			
900.00	898.56	881.88	880.51	3.74	3.71	89.48	230.20	55.03	234.18	227.01	7.16	32.685			
1,000.00	998.18	980.70	978.96	3.98	3.94	92.66	235.01	62.18	241.79	234.15	7.64	31.656			
1,100.00	1,097.80	1,079.53	1,077.41	4.21	4.17	95.64	239.82	69.33	250.10	242.00	8.10	30.892			
1,200.00	1,197.42	1,178.35	1,175.85	4.43	4.39	98.42	244.63	76.47	259.05	250.50	8.54	30.330			
1,252.78	1,250.00	1,230.51	1,227.81	4.50	4.50	99.81	247.17	80.24	264.00	255.28	8.72	30.271			
1,300.00	1,297.01	1,277.13	1,274.26	4.56	4.61	101.00	249.43	83.62	268.62	259.74	8.88	30.254			
1,400.00	1,396.38	1,375.58	1,372.33	4.82	4.82	103.75	254.22	90.74	279.27	269.95	9.32	29.963			
1,500.00	1,495.41	1,473.57	1,469.95	5.08	5.03	106.74	258.99	97.82	291.33	281.57	9.77	29.832			
1,600.00	1,594.05	1,571.05	1,567.06	5.34	5.23	109.90	263.73	104.87	305.10	294.88	10.22	29.864			
1,700.00	1,692.22	1,667.94	1,663.58	5.60	5.43	113.14	268.45	111.88	320.85	310.18	10.67	30.059			
1,800.00	1,789.86	1,764.18	1,759.45	5.85	5.63	116.41	273.13	118.84	338.83	327.69	11.14	30.420			
1,819.64	1,808.97	1,783.00	1,778.20	5.87	5.67	117.05	274.04	120.20	342.64	331.43	11.21	30.567			
1,900.00	1,887.11	1,859.94	1,854.85	6.02	5.83	119.76	277.79	125.76	358.83	347.28	11.55	31.062			
2,000.00	1,984.35	1,955.69	1,950.24	6.24	6.02	122.81	282.44	132.69	379.99	367.98	12.01	31.652			
2,100.00	2,081.58	2,051.44	2,045.62	6.46	6.21	125.54	287.10	139.61	402.10	389.65	12.45	32.294			
2,200.00	2,178.82	2,147.19	2,141.01	6.68	6.41	128.00	291.76	146.53	425.02	412.13	12.90	32.958			
2,300.00	2,276.06	2,239.14	2,232.59	6.90	6.60	130.12	296.31	153.30	448.79	435.46	13.33	33.676			
2,400.00	2,373.29	2,324.30	2,317.26	7.15	6.79	131.86	301.39	160.84	474.83	461.10	13.73	34.591			
2,500.00	2,470.53	2,408.50	2,400.77	7.41	6.99	133.39	307.44	169.84	503.40	489.28	14.13	35.638			
2,600.00	2,567.76	2,491.69	2,483.00	7.70	7.18	134.70	314.43	180.23	534.37	519.86	14.51	36.818			
2,700.00	2,665.00	2,578.70	2,568.74	7.99	7.32	135.90	322.70	192.52	567.43	552.57	14.86	38.194			
2,800.00	2,762.23	2,672.23	2,660.85	8.28	7.50	137.04	331.76	205.99	601.05	585.78	15.27	39.363			
2,900.00	2,859.47	2,765.76	2,752.96	8.58	7.69	138.06	340.83	219.47	634.86	619.16	15.69	40.457			
3,000.00	2,956.71	2,859.30	2,845.08	8.88	7.89	138.97	349.89	232.94	668.83	652.71	16.11	41.504			
3,100.00	3,053.94	2,952.83	2,937.19	9.18	8.08	139.80	358.96	246.42	702.94	686.40	16.54	42.507			
3,200.00	3,151.18	3,046.36	3,029.30	9.48	8.27	140.56	368.03	259.89	737.17	720.21	16.96	43.467			
3,300.00	3,248.41	3,139.90	3,121.42	9.79	8.46	141.24	377.09	273.37	771.50	754.12	17.38	44.386			
3,400.00	3,345.65	3,233.43	3,213.53	10.09	8.66	141.87	386.16	286.84	805.92	788.12	17.80	45.266			
3,500.00	3,442.88	3,326.96	3,305.64	10.40	8.85	142.45	395.22	300.32	840.43	822.20	18.23	46.109			
3,600.00	3,540.12	3,420.50	3,397.75	10.70	9.04	142.98	404.29	313.79	875.00	856.35	18.65	46.917			
3,700.00	3,637.36	3,514.03	3,489.87	11.01	9.24	143.48	413.35	327.27	909.63	890.56	19.07	47.692			
3,800.00	3,734.59	3,607.56	3,581.98	11.32	9.43	143.93	422.42	340.74	944.32	924.83	19.50	48.436			
3,900.00	3,831.83	3,702.78	3,675.75	11.63	9.62	144.36	431.65	354.46	979.06	959.13	19.92	49.146			
4,000.00	3,929.06	3,826.53	3,797.98	11.94	9.90	144.93	442.41	370.45	1,012.29	991.79	20.50	49.381			
4,100.00	4,026.30	3,952.55	3,923.03	12.25	10.17	145.56	451.09	383.36	1,042.73	1,021.67	21.06	49.518			
4,200.00	4,123.54	4,080.62	4,050.57	12.56	10.43	146.24	457.55	392.97	1,070.34	1,048.75	21.59	49.574			
4,300.00	4,220.77	4,210.50	4,180.24	12.87	10.68	146.99	461.67	399.08	1,095.09	1,072.99	22.09	49.563			
4,400.00	4,318.01	4,341.92	4,311.62	13.18	10.88	147.80	463.32	401.53	1,116.93	1,094.41	22.52	49.590			
4,500.00	4,415.24	4,444.55	4,414.24	13.50	10.95	148.46	463.35	401.58	1,136.95	1,114.14	22.81	49.837			
4,600.00	4,512.48	4,541.78	4,511.48	13.81	11.03	149.06	463.35	401.58	1,157.06	1,133.95	23.12	50.056			
4,700.00	4,609.71	4,639.02	4,608.71	14.12	11.11	149.64	463.35	401.58	1,177.29	1,153.88	23.42	50.277			
4,800.00	4,706.95	4,736.25	4,705.95	14.43	11.19	150.20	463.35	401.58	1,197.64	1,173.92	23.72	50.497			

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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 Reference (usft)	Major Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)							
4,900.00	4,804.19	4,833.49	4,803.19	14.75	11.27	150.74	463.35	401.58	1,218.09	1,194.07		24.02	50.716		
5,000.00	4,901.42	4,930.73	4,900.42	15.06	11.35	151.27	463.35	401.58	1,238.65	1,214.33		24.32	50.935		
5,100.00	4,998.66	5,027.96	4,997.66	15.38	11.43	151.77	463.35	401.58	1,259.30	1,234.68		24.62	51.153		
5,200.00	5,095.89	5,125.20	5,094.89	15.69	11.51	152.27	463.35	401.58	1,280.04	1,255.13		24.92	51.370		
5,300.00	5,193.13	5,222.43	5,192.13	16.00	11.59	152.74	463.35	401.58	1,300.88	1,275.66		25.22	51.585		
5,400.00	5,290.37	5,319.67	5,289.37	16.32	11.67	153.20	463.35	401.58	1,321.80	1,296.28		25.52	51.799		
5,500.00	5,387.60	5,416.90	5,386.60	16.63	11.75	153.65	463.35	401.58	1,342.79	1,316.98		25.82	52.011		
5,600.00	5,484.84	5,514.14	5,483.84	16.95	11.83	154.08	463.35	401.58	1,363.87	1,337.75		26.12	52.221		
5,697.99	5,580.12	5,609.42	5,579.12	17.26	11.91	154.49	463.35	401.58	1,384.59	1,358.18		26.41	52.428		
5,700.00	5,582.07	5,611.38	5,581.07	17.26	11.92	154.50	463.35	401.58	1,385.01	1,358.60		26.41	52.434		
5,800.00	5,679.61	5,708.92	5,678.61	17.56	12.00	155.02	463.35	401.58	1,405.02	1,378.30		26.72	52.582		
5,900.00	5,777.70	5,807.00	5,776.70	17.84	12.08	155.46	463.35	401.58	1,422.76	1,395.74		27.02	52.657		
6,000.00	5,876.26	5,905.56	5,875.26	18.08	12.16	155.84	463.35	401.58	1,438.18	1,410.87		27.31	52.661		
6,100.00	5,975.23	6,004.53	5,974.23	18.30	12.24	156.15	463.35	401.58	1,451.27	1,423.67		27.59	52.595		
6,200.00	6,074.54	6,103.84	6,073.54	18.48	12.32	156.40	463.35	401.58	1,461.99	1,434.13		27.87	52.462		
6,300.00	6,174.12	6,203.42	6,173.12	18.64	12.41	156.59	463.35	401.58	1,470.35	1,442.22		28.13	52.267		
6,400.00	6,273.91	6,303.21	6,272.91	18.77	12.49	156.73	463.35	401.58	1,476.31	1,447.93		28.38	52.014		
6,500.00	6,373.83	6,403.13	6,372.83	18.87	12.57	156.81	463.35	401.58	1,479.87	1,451.25		28.62	51.709		
6,598.18	6,472.00	6,501.30	6,471.00	18.95	12.66	89.61	463.35	401.58	1,481.03	1,452.24		28.79	51.438		
6,600.00	6,473.82	6,503.12	6,472.82	18.95	12.66	89.61	463.35	401.58	1,481.03	1,452.24		28.79	51.435		
6,700.00	6,573.82	6,603.12	6,572.82	19.00	12.74	89.61	463.35	401.58	1,481.03	1,452.10		28.93	51.191		
6,800.00	6,673.82	6,703.12	6,672.82	19.05	12.82	89.61	463.35	401.58	1,481.03	1,451.97		29.07	50.949		
6,900.00	6,773.82	6,803.12	6,772.82	19.11	12.91	89.61	463.35	401.58	1,481.03	1,451.83		29.21	50.709		
7,000.00	6,873.82	6,903.12	6,872.82	19.16	12.99	89.61	463.35	401.58	1,481.03	1,451.69		29.34	50.470		
7,100.00	6,973.82	7,003.12	6,972.82	19.22	13.07	89.61	463.35	401.58	1,481.03	1,451.55		29.48	50.234		
7,200.00	7,073.82	7,103.12	7,072.82	19.27	13.15	89.61	463.35	401.58	1,481.03	1,451.41		29.62	49.999		
7,300.00	7,173.82	7,203.12	7,172.82	19.33	13.24	89.61	463.35	401.58	1,481.03	1,451.27		29.76	49.766		
7,400.00	7,273.82	7,303.12	7,272.82	19.38	13.32	89.61	463.35	401.58	1,481.03	1,451.14		29.90	49.535		
7,500.00	7,373.82	7,403.12	7,372.82	19.44	13.40	89.61	463.35	401.58	1,481.03	1,451.00		30.04	49.306		
7,600.00	7,473.82	7,503.12	7,472.82	19.49	13.49	89.61	463.35	401.58	1,481.03	1,450.86		30.18	49.079		
7,700.00	7,573.82	7,603.12	7,572.82	19.55	13.57	89.61	463.35	401.58	1,481.03	1,450.72		30.32	48.853		
7,800.00	7,673.82	7,703.12	7,672.82	19.60	13.65	89.61	463.35	401.58	1,481.03	1,450.58		30.46	48.629		
7,900.00	7,773.82	7,803.12	7,772.82	19.66	13.74	89.61	463.35	401.58	1,481.03	1,450.44		30.60	48.407		
8,000.00	7,873.82	7,903.12	7,872.82	19.72	13.82	89.61	463.35	401.58	1,481.03	1,450.30		30.74	48.187		
8,100.00	7,973.82	8,003.12	7,972.82	19.77	13.90	89.61	463.35	401.58	1,481.03	1,450.16		30.88	47.968		
8,200.00	8,073.82	8,103.12	8,072.82	19.83	13.99	89.61	463.35	401.58	1,481.03	1,450.02		31.02	47.751		
8,300.00	8,173.82	8,203.12	8,172.82	19.89	14.07	89.61	463.35	401.58	1,481.03	1,449.88		31.16	47.536		
8,400.00	8,273.82	8,303.12	8,272.82	19.94	14.15	89.61	463.35	401.58	1,481.03	1,449.74		31.30	47.323		
8,500.00	8,373.82	8,403.12	8,372.82	20.00	14.23	89.61	463.35	401.58	1,481.03	1,449.60		31.44	47.111		
8,600.00	8,473.82	8,503.12	8,472.82	20.06	14.32	89.61	463.35	401.58	1,481.03	1,449.46		31.58	46.900		
8,700.00	8,573.82	8,603.12	8,572.82	20.11	14.40	89.61	463.35	401.58	1,481.03	1,449.31		31.72	46.692		
8,800.00	8,673.82	8,703.12	8,672.82	20.17	14.48	89.61	463.35	401.58	1,481.03	1,449.17		31.86	46.485		
8,900.00	8,773.82	8,803.12	8,772.82	20.23	14.57	89.61	463.35	401.58	1,481.03	1,449.03		32.00	46.279		
9,000.00	8,873.82	8,903.12	8,872.82	20.29	14.65	89.61	463.35	401.58	1,481.03	1,448.89		32.14	46.075		
9,100.00	8,973.82	9,003.12	8,972.82	20.35	14.73	89.61	463.35	401.58	1,481.03	1,448.75		32.29	45.873		
9,200.00	9,073.82	9,103.12	9,072.82	20.40	14.81	89.61	463.35	401.58	1,481.03	1,448.61		32.43	45.672		
9,300.00	9,173.82	9,203.12	9,172.82	20.46	14.90	89.61	463.35	401.58	1,481.03	1,448.46		32.57	45.472		
9,400.00	9,273.82	9,303.12	9,272.82	20.52	14.98	89.61	463.35	401.58	1,481.03	1,448.32		32.71	45.275		
9,500.00	9,373.82	9,403.12	9,372.82	20.58	15.06	89.61	463.35	401.58	1,481.03	1,448.18		32.85	45.078		
9,600.00	9,473.82	9,503.12	9,472.82	20.64	15.15	89.61	463.35	401.58	1,481.03	1,448.04		33.00	44.883		
9,700.00	9,573.82	9,603.12	9,572.82	20.70	15.23	89.61	463.35	401.58	1,481.03	1,447.89		33.14	44.690		
9,800.00	9,673.82	9,703.12	9,672.82	20.76	15.31	89.61	463.35	401.58	1,481.03	1,447.75		33.28	44.498		

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)		Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)			
13,900.00	12,519.15	12,946.99	11,657.22	27.43	24.04	-59.83	-1,050.20	414.61	1,713.10	1,664.29	48.81	35.094			
14,000.00	12,520.02	13,046.99	11,658.10	28.21	25.03	-59.83	-1,150.19	415.47	1,713.10	1,662.86	50.25	34.095			
14,100.00	12,520.90	13,146.99	11,658.98	29.03	26.06	-59.83	-1,250.18	416.33	1,713.10	1,661.35	51.75	33.104			
14,200.00	12,521.77	13,246.99	11,659.85	29.88	27.12	-59.83	-1,350.18	417.20	1,713.10	1,659.78	53.32	32.130			
14,300.00	12,522.64	13,346.99	11,660.73	30.77	28.21	-59.83	-1,450.17	418.06	1,713.10	1,658.15	54.95	31.177			
14,400.00	12,523.52	13,446.99	11,661.61	31.70	29.33	-59.83	-1,550.16	418.92	1,713.10	1,656.46	56.63	30.248			
14,500.00	12,524.39	13,546.99	11,662.48	32.65	30.46	-59.83	-1,650.15	419.78	1,713.09	1,654.72	58.37	29.348			
14,600.00	12,525.26	13,646.99	11,663.36	33.63	31.62	-59.83	-1,750.15	420.64	1,713.09	1,652.94	60.15	28.478			
14,700.00	12,526.13	13,746.99	11,664.24	34.64	32.79	-59.83	-1,850.14	421.50	1,713.09	1,651.11	61.98	27.639			
14,800.00	12,527.01	13,846.99	11,665.11	35.67	33.97	-59.83	-1,950.13	422.36	1,713.09	1,649.24	63.85	26.832			
14,900.00	12,527.88	13,946.99	11,665.99	36.72	35.17	-59.83	-2,050.12	423.22	1,713.09	1,647.34	65.75	26.056			
15,000.00	12,528.75	14,046.99	11,666.86	37.79	36.39	-59.83	-2,150.11	424.08	1,713.09	1,645.41	67.68	25.311			
15,100.00	12,529.63	14,146.99	11,667.74	38.88	37.61	-59.83	-2,250.11	424.94	1,713.09	1,643.44	69.64	24.598			
15,200.00	12,530.50	14,246.99	11,668.62	39.99	38.84	-59.83	-2,350.10	425.80	1,713.08	1,641.45	71.63	23.914			
15,300.00	12,531.37	14,346.99	11,669.49	41.11	40.09	-59.83	-2,450.09	426.67	1,713.08	1,639.43	73.65	23.260			
15,400.00	12,532.25	14,446.99	11,670.37	42.25	41.34	-59.83	-2,550.08	427.53	1,713.08	1,637.39	75.69	22.633			
15,500.00	12,533.12	14,546.99	11,671.25	43.40	42.60	-59.83	-2,650.08	428.39	1,713.08	1,635.33	77.75	22.033			
15,600.00	12,533.99	14,646.99	11,672.12	44.56	43.86	-59.83	-2,750.07	429.25	1,713.08	1,633.25	79.83	21.459			
15,700.00	12,534.86	14,746.99	11,673.00	45.74	45.13	-59.83	-2,850.06	430.11	1,713.08	1,631.15	81.93	20.909			
15,800.00	12,535.74	14,846.99	11,673.88	46.92	46.41	-59.83	-2,950.05	430.97	1,713.08	1,629.03	84.05	20.382			
15,900.00	12,536.61	14,946.99	11,674.75	48.12	47.69	-59.83	-3,050.05	431.83	1,713.07	1,626.90	86.18	19.878			
16,000.00	12,537.48	15,046.99	11,675.63	49.32	48.98	-59.83	-3,150.04	432.69	1,713.07	1,624.75	88.32	19.395			
16,100.00	12,538.36	15,146.99	11,676.51	50.54	50.27	-59.83	-3,250.03	433.55	1,713.07	1,622.59	90.48	18.932			
16,200.00	12,539.23	15,246.99	11,677.38	51.76	51.57	-59.83	-3,350.02	434.41	1,713.07	1,620.41	92.66	18.488			
16,300.00	12,540.10	15,346.99	11,678.26	52.99	52.87	-59.83	-3,450.02	435.28	1,713.07	1,618.23	94.84	18.063			
16,400.00	12,540.98	15,446.99	11,679.13	54.22	54.17	-59.83	-3,550.01	436.14	1,713.07	1,616.03	97.04	17.654			
16,500.00	12,541.85	15,546.99	11,680.01	55.46	55.48	-59.83	-3,650.00	437.00	1,713.07	1,613.82	99.24	17.262			
16,600.00	12,542.72	15,646.99	11,680.89	56.71	56.79	-59.83	-3,749.99	437.86	1,713.06	1,611.61	101.46	16.885			
16,700.00	12,543.60	15,746.99	11,681.76	57.96	58.10	-59.83	-3,849.99	438.72	1,713.06	1,609.38	103.68	16.523			
16,800.00	12,544.47	15,846.99	11,682.64	59.22	59.41	-59.83	-3,949.98	439.58	1,713.06	1,607.15	105.91	16.175			
16,900.00	12,545.34	15,946.99	11,683.52	60.48	60.73	-59.83	-4,049.97	440.44	1,713.06	1,604.91	108.15	15.840			
17,000.00	12,546.21	16,046.99	11,684.39	61.75	62.05	-59.83	-4,149.96	441.30	1,713.06	1,602.66	110.40	15.517			
17,100.00	12,547.09	16,146.99	11,685.27	63.02	63.37	-59.83	-4,249.96	442.16	1,713.06	1,600.41	112.65	15.207			
17,200.00	12,547.96	16,246.99	11,686.15	64.30	64.70	-59.83	-4,349.95	443.02	1,713.06	1,598.14	114.91	14.908			
17,300.00	12,548.83	16,346.99	11,687.02	65.58	66.02	-59.83	-4,449.94	443.89	1,713.05	1,595.88	117.18	14.619			
17,400.00	12,549.71	16,446.99	11,687.90	66.86	67.35	-59.83	-4,549.93	444.75	1,713.05	1,593.60	119.45	14.341			
17,500.00	12,550.58	16,546.99	11,688.78	68.15	68.68	-59.83	-4,649.93	445.61	1,713.05	1,591.32	121.73	14.073			
17,600.00	12,551.45	16,646.99	11,689.65	69.44	70.01	-59.83	-4,749.92	446.47	1,713.05	1,589.04	124.01	13.814			
17,700.00	12,552.33	16,746.99	11,690.53	70.73	71.34	-59.83	-4,849.91	447.33	1,713.05	1,586.75	126.30	13.563			
17,800.00	12,553.20	16,846.99	11,691.40	72.03	72.67	-59.83	-4,949.90	448.19	1,713.05	1,584.46	128.59	13.322			
17,900.00	12,554.07	16,946.99	11,692.28	73.33	74.01	-59.83	-5,049.90	449.05	1,713.05	1,582.16	130.89	13.088			
18,000.00	12,554.94	17,046.99	11,693.16	74.63	75.35	-59.83	-5,149.89	449.91	1,713.04	1,579.86	133.19	12.862			
18,100.00	12,555.82	17,146.99	11,694.03	75.94	76.68	-59.83	-5,249.88	450.77	1,713.04	1,577.55	135.49	12.643			
18,200.00	12,556.69	17,246.99	11,694.91	77.24	78.02	-59.83	-5,349.87	451.63	1,713.04	1,575.24	137.80	12.431			
18,300.00	12,557.56	17,346.99	11,695.79	78.55	79.36	-59.83	-5,449.87	452.49	1,713.04	1,572.93	140.11	12.226			
18,400.00	12,558.44	17,446.99	11,696.66	79.86	80.70	-59.83	-5,549.86	453.36	1,713.04	1,570.61	142.43	12.027			
18,500.00	12,559.31	17,546.99	11,697.54	81.17	82.04	-59.83	-5,649.85	454.22	1,713.04	1,568.29	144.75	11.835			
18,600.00	12,560.18	17,646.99	11,698.42	82.49	83.39	-59.83	-5,749.84	455.08	1,713.04	1,565.97	147.07	11.648			
18,700.00	12,561.06	17,746.99	11,699.29	83.80	84.73	-59.83	-5,849.84	455.94	1,713.03	1,563.64	149.39	11.466			
18,800.00	12,561.93	17,846.99	11,700.17	85.12	86.07	-59.83	-5,949.83	456.80	1,713.03	1,561.31	151.72	11.291			
18,900.00	12,562.80	17,946.99	11,701.04	86.44	87.42	-59.83	-6,049.82	457.66	1,713.03	1,558.98	154.05	11.120			
19,000.00	12,563.68	18,046.99	11,701.92	87.76	88.76	-59.83	-6,149.81	458.52	1,713.03	1,556.65	156.38	10.954			

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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 +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
19,100.00	12,564.55	18,146.99	11,702.80	89.08	90.11	-59.83	-6,249.81	459.38	1,713.03	1,554.31	158.72	10.793		
19,200.00	12,565.42	18,246.99	11,703.67	90.41	91.46	-59.84	-6,349.80	460.24	1,713.03	1,551.97	161.06	10.636		
19,300.00	12,566.29	18,346.99	11,704.55	91.73	92.81	-59.84	-6,449.79	461.10	1,713.03	1,549.63	163.40	10.484		
19,400.00	12,567.17	18,446.99	11,705.43	93.06	94.15	-59.84	-6,549.78	461.97	1,713.02	1,547.29	165.74	10.336		
19,500.00	12,568.04	18,546.99	11,706.30	94.39	95.50	-59.84	-6,649.78	462.83	1,713.02	1,544.94	168.08	10.192		
19,600.00	12,568.91	18,646.99	11,707.18	95.72	96.85	-59.84	-6,749.77	463.69	1,713.02	1,542.59	170.43	10.051		
19,700.00	12,569.79	18,746.99	11,708.06	97.05	98.20	-59.84	-6,849.76	464.55	1,713.02	1,540.24	172.78	9.915		
19,800.00	12,570.66	18,846.99	11,708.93	98.38	99.55	-59.84	-6,949.75	465.41	1,713.02	1,537.89	175.12	9.782		
19,900.00	12,571.53	18,946.99	11,709.81	99.71	100.91	-59.84	-7,049.75	466.27	1,713.02	1,535.54	177.48	9.652		
20,000.00	12,572.41	19,046.99	11,710.69	101.04	102.26	-59.84	-7,149.74	467.13	1,713.02	1,533.19	179.83	9.526		
20,100.00	12,573.28	19,146.99	11,711.56	102.38	103.61	-59.84	-7,249.73	467.99	1,713.01	1,530.83	182.18	9.403		
20,200.00	12,574.15	19,246.99	11,712.44	103.71	104.96	-59.84	-7,349.72	468.85	1,713.01	1,528.47	184.54	9.283		
20,300.00	12,575.02	19,346.99	11,713.31	105.05	106.32	-59.84	-7,449.72	469.71	1,713.01	1,526.12	186.90	9.166		
20,400.00	12,575.90	19,446.99	11,714.19	106.39	107.67	-59.84	-7,549.71	470.58	1,713.01	1,523.76	189.25	9.051		
20,500.00	12,576.77	19,546.99	11,715.07	107.72	109.02	-59.84	-7,649.70	471.44	1,713.01	1,521.39	191.62	8.940		
20,600.00	12,577.64	19,646.99	11,715.94	109.06	110.38	-59.84	-7,749.69	472.30	1,713.01	1,519.03	193.98	8.831		
20,700.00	12,578.52	19,746.99	11,716.82	110.40	111.73	-59.84	-7,849.68	473.16	1,713.01	1,516.67	196.34	8.725		
20,800.00	12,579.39	19,846.99	11,717.70	111.74	113.09	-59.84	-7,949.68	474.02	1,713.00	1,514.30	198.70	8.621		
20,900.00	12,580.26	19,946.99	11,718.57	113.08	114.44	-59.84	-8,049.67	474.88	1,713.00	1,511.94	201.07	8.520		
21,000.00	12,581.14	20,046.99	11,719.45	114.43	115.80	-59.84	-8,149.66	475.74	1,713.00	1,509.57	203.43	8.420		
21,100.00	12,582.01	20,146.99	11,720.33	115.77	117.16	-59.84	-8,249.65	476.60	1,713.00	1,507.20	205.80	8.324		
21,200.00	12,582.88	20,246.99	11,721.20	117.11	118.51	-59.84	-8,349.65	477.46	1,713.00	1,504.83	208.17	8.229		
21,300.00	12,583.76	20,346.99	11,722.08	118.45	119.87	-59.84	-8,449.64	478.32	1,713.00	1,502.46	210.54	8.136		
21,400.00	12,584.63	20,446.99	11,722.96	119.80	121.23	-59.84	-8,549.63	479.18	1,713.00	1,500.09	212.91	8.046		
21,500.00	12,585.50	20,546.99	11,723.83	121.14	122.58	-59.84	-8,649.62	480.05	1,713.00	1,497.71	215.28	7.957		
21,600.00	12,586.37	20,646.99	11,724.71	122.49	123.94	-59.84	-8,749.62	480.91	1,712.99	1,495.34	217.65	7.870		
21,700.00	12,587.25	20,746.99	11,725.58	123.83	125.30	-59.84	-8,849.61	481.77	1,712.99	1,492.96	220.03	7.785		
21,800.00	12,588.12	20,846.99	11,726.46	125.18	126.66	-59.84	-8,949.60	482.63	1,712.99	1,490.59	222.40	7.702		
21,900.00	12,588.99	20,946.99	11,727.34	126.53	128.02	-59.84	-9,049.59	483.49	1,712.99	1,488.21	224.78	7.621		
22,000.00	12,589.87	21,046.99	11,728.21	127.87	129.37	-59.84	-9,149.59	484.35	1,712.99	1,485.84	227.15	7.541		
22,100.00	12,590.74	21,146.99	11,729.09	129.22	130.73	-59.84	-9,249.58	485.21	1,712.99	1,483.46	229.53	7.463		
22,200.00	12,591.61	21,246.99	11,729.97	130.57	132.09	-59.84	-9,349.57	486.07	1,712.99	1,481.08	231.91	7.387		
22,300.00	12,592.49	21,346.99	11,730.84	131.92	133.45	-59.84	-9,449.56	486.93	1,712.98	1,478.70	234.28	7.312		
22,400.00	12,593.36	21,446.99	11,731.72	133.27	134.81	-59.84	-9,549.56	487.79	1,712.98	1,476.32	236.66	7.238		
22,500.00	12,594.23	21,546.99	11,732.60	134.62	136.17	-59.84	-9,649.55	488.66	1,712.98	1,473.94	239.04	7.166		
22,600.00	12,595.10	21,646.99	11,733.47	135.97	137.53	-59.84	-9,749.54	489.52	1,712.98	1,471.56	241.42	7.095		
22,700.00	12,595.98	21,746.99	11,734.35	137.32	138.89	-59.84	-9,849.53	490.38	1,712.98	1,469.17	243.80	7.026		
22,800.00	12,596.85	21,846.99	11,735.22	138.67	140.25	-59.84	-9,949.53	491.24	1,712.98	1,466.79	246.18	6.958		
22,886.10	12,597.60	21,933.09	11,735.98	139.83	141.42	-59.84	-10,035.62	491.98	1,712.98	1,464.74	248.23	6.901		
22,897.27	12,597.70	21,935.47	11,736.00	139.98	141.45	-59.84	-10,038.00	492.00	1,713.00	1,464.62	248.38	6.897	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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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		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	185.00	0.00	185.00					
100.00	100.00	99.00	99.00	0.98	0.97	0.00	185.00	0.00	185.00	183.05	1.95	94.633		
200.00	200.00	199.00	199.00	1.56	1.56	0.00	185.00	0.00	185.00	181.88	3.12	59.366		
300.00	300.00	299.00	299.00	1.98	1.98	0.00	185.00	0.00	185.00	181.04	3.96	46.740		
400.00	399.99	398.99	398.99	2.41	2.33	67.60	185.00	0.00	184.50	179.83	4.67	39.547		
500.00	499.91	498.91	498.91	2.78	2.63	68.76	185.00	0.00	183.04	177.76	5.28	34.664		
600.00	599.69	598.69	598.69	3.12	2.91	70.72	185.00	0.00	180.77	174.93	5.83	30.984		
633.33	632.91	631.91	631.91	3.15	2.99	71.56	185.00	0.00	179.87	173.93	5.94	30.260		
700.00	699.32	698.32	698.32	3.26	3.16	73.33	185.00	0.00	178.11	171.90	6.22	28.658		
800.00	798.94	797.94	797.94	3.50	3.40	76.04	185.00	0.00	175.80	169.10	6.70	26.245		
900.00	898.56	897.56	897.56	3.74	3.62	78.82	185.00	0.00	173.90	166.74	7.16	24.298		
1,000.00	998.18	997.18	997.18	3.98	3.83	81.65	185.00	0.00	172.41	164.82	7.59	22.702		
1,100.00	1,097.80	1,096.80	1,096.80	4.21	4.03	84.52	185.00	0.00	171.36	163.34	8.01	21.380		
1,200.00	1,197.42	1,196.42	1,196.42	4.43	4.23	87.42	185.00	0.00	170.74	162.32	8.42	20.276		
1,252.78	1,250.00	1,249.00	1,249.00	4.50	4.32	88.96	185.00	0.00	170.60	162.02	8.58	19.886		
1,286.69	1,283.77	1,282.77	1,282.77	4.54	4.39	90.00	185.00	0.00	170.57	161.89	8.68	19.655	CC	
1,300.00	1,297.01	1,296.01	1,296.01	4.56	4.41	90.43	185.00	0.00	170.57	161.86	8.72	19.568	ES	
1,400.00	1,396.38	1,395.38	1,395.38	4.82	4.59	94.17	185.00	0.00	171.03	161.92	9.11	18.769		
1,500.00	1,495.41	1,494.41	1,494.41	5.08	4.77	98.70	185.00	0.00	172.60	163.09	9.51	18.148		
1,600.00	1,594.05	1,593.05	1,593.05	5.34	4.94	103.88	185.00	0.00	175.86	165.95	9.92	17.732		
1,700.00	1,692.22	1,691.22	1,691.22	5.60	5.10	109.54	185.00	0.00	181.43	171.09	10.34	17.549		
1,800.00	1,789.86	1,788.86	1,788.86	5.85	5.26	115.46	185.00	0.00	189.87	179.10	10.77	17.622		
1,819.64	1,808.97	1,807.97	1,807.97	5.87	5.29	116.63	185.00	0.00	191.91	181.07	10.84	17.704		
1,900.00	1,887.11	1,886.11	1,886.11	6.02	5.41	121.31	185.00	0.00	201.20	190.04	11.16	18.024		
2,000.00	1,984.35	1,983.35	1,983.35	6.24	5.56	126.55	185.00	0.00	214.50	202.91	11.59	18.509		
2,100.00	2,081.58	2,080.58	2,080.58	6.46	5.71	131.17	185.00	0.00	229.41	217.40	12.00	19.111		
2,200.00	2,178.82	2,177.82	2,177.82	6.68	5.86	135.22	185.00	0.00	245.64	233.23	12.41	19.796		
2,300.00	2,276.06	2,270.90	2,270.90	6.90	6.02	138.54	185.50	0.43	263.53	250.73	12.80	20.587		
2,400.00	2,373.29	2,362.39	2,362.34	7.15	6.18	141.17	187.63	2.24	284.13	270.95	13.18	21.559		
2,500.00	2,470.53	2,453.38	2,453.19	7.41	6.34	143.19	191.39	5.45	307.14	293.60	13.54	22.682		
2,600.00	2,567.76	2,543.76	2,543.29	7.70	6.49	144.71	196.76	10.03	332.31	318.42	13.89	23.919		
2,700.00	2,665.00	2,633.44	2,632.51	7.99	6.65	145.79	203.69	15.95	359.45	345.21	14.24	25.246		
2,800.00	2,762.23	2,722.34	2,720.71	8.28	6.78	146.51	212.12	23.15	388.41	373.85	14.56	26.686		
2,900.00	2,859.47	2,816.80	2,814.25	8.58	6.88	147.05	222.11	31.67	418.47	403.59	14.88	28.130		
3,000.00	2,956.71	2,912.10	2,908.63	8.88	7.02	147.52	232.20	40.28	448.56	433.32	15.24	29.427		
3,100.00	3,053.94	3,007.40	3,003.00	9.18	7.16	147.94	242.28	48.88	478.69	463.07	15.61	30.660		
3,200.00	3,151.18	3,102.70	3,097.38	9.48	7.31	148.30	252.37	57.49	508.83	492.84	15.98	31.833		
3,300.00	3,248.41	3,198.01	3,191.76	9.79	7.45	148.62	262.46	66.10	538.99	522.63	16.36	32.949		
3,400.00	3,345.65	3,293.31	3,286.13	10.09	7.60	148.91	272.54	74.71	569.16	552.42	16.73	34.012		
3,500.00	3,442.88	3,388.61	3,380.51	10.40	7.75	149.17	282.63	83.31	599.34	582.23	17.11	35.025		
3,600.00	3,540.12	3,483.91	3,474.88	10.70	7.90	149.40	292.72	91.92	629.54	612.05	17.49	35.991		
3,700.00	3,637.36	3,579.22	3,569.26	11.01	8.06	149.62	302.80	100.53	659.74	641.87	17.87	36.914		
3,800.00	3,734.59	3,674.52	3,663.63	11.32	8.21	149.81	312.89	109.14	689.95	671.70	18.26	37.794		
3,900.00	3,831.83	3,769.82	3,758.01	11.63	8.37	149.99	322.97	117.74	720.17	701.53	18.64	38.636		
4,000.00	3,929.06	3,865.12	3,852.38	11.94	8.52	150.15	333.06	126.35	750.39	731.37	19.03	39.441		
4,100.00	4,026.30	3,960.43	3,946.76	12.25	8.68	150.30	343.15	134.96	780.62	761.21	19.41	40.211		
4,200.00	4,123.54	4,055.73	4,041.13	12.56	8.84	150.44	353.23	143.57	810.85	791.05	19.80	40.949		
4,300.00	4,220.77	4,151.03	4,135.51	12.87	9.00	150.57	363.32	152.17	841.09	820.90	20.19	41.655		
4,400.00	4,318.01	4,246.33	4,229.89	13.18	9.17	150.69	373.41	160.78	871.33	850.75	20.58	42.333		
4,500.00	4,415.24	4,341.64	4,324.26	13.50	9.33	150.81	383.49	169.39	901.57	880.60	20.98	42.983		
4,600.00	4,512.48	4,436.94	4,418.64	13.81	9.49	150.91	393.58	178.00	931.82	910.45	21.37	43.607		
4,700.00	4,609.71	4,532.24	4,513.01	14.12	9.66	151.01	403.67	186.60	962.07	940.31	21.76	44.207		

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)						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)			
2,800.00	2,762.23	3,419.95	3,358.02	8.28	10.20	144.71	708.98	1,927.17	2,426.64	2,409.56	17.09	142.024	
2,900.00	2,859.47	3,517.26	3,452.02	8.58	10.53	145.22	695.23	1,906.07	2,421.11	2,403.53	17.58	137.744	
3,000.00	2,956.71	3,614.57	3,546.01	8.88	10.86	145.74	681.48	1,884.96	2,415.78	2,397.71	18.07	133.694	
3,100.00	3,053.94	3,711.89	3,640.01	9.18	11.19	146.26	667.73	1,863.86	2,410.66	2,392.09	18.56	129.859	
3,200.00	3,151.18	3,809.20	3,734.01	9.48	11.52	146.78	653.97	1,842.76	2,405.75	2,386.69	19.06	126.221	
3,300.00	3,248.41	3,906.51	3,828.01	9.79	11.86	147.31	640.22	1,821.66	2,401.04	2,381.49	19.56	122.768	
3,400.00	3,345.65	4,003.83	3,922.00	10.09	12.19	147.83	626.47	1,800.55	2,396.55	2,376.50	20.06	119.488	
3,500.00	3,442.88	4,101.14	4,016.00	10.40	12.53	148.36	612.72	1,779.45	2,392.28	2,371.72	20.56	116.367	
3,600.00	3,540.12	4,198.45	4,110.00	10.70	12.86	148.89	598.97	1,758.35	2,388.22	2,367.16	21.06	113.397	
3,700.00	3,637.36	4,295.77	4,203.99	11.01	13.20	149.42	585.22	1,737.25	2,384.37	2,362.81	21.57	110.566	
3,800.00	3,734.59	4,393.08	4,297.99	11.32	13.54	149.95	571.46	1,716.14	2,380.74	2,358.67	22.07	107.866	
3,900.00	3,831.83	4,490.39	4,391.99	11.63	13.88	150.49	557.71	1,695.04	2,377.33	2,354.75	22.58	105.290	
4,000.00	3,929.06	4,587.71	4,485.98	11.94	14.22	151.02	543.96	1,673.94	2,374.14	2,351.05	23.09	102.834	
4,100.00	4,026.30	4,653.96	4,550.09	12.25	14.44	151.38	534.81	1,659.90	2,371.73	2,348.19	23.53	100.775	
4,200.00	4,123.54	4,700.00	4,594.79	12.56	14.60	151.63	528.81	1,650.68	2,371.05	2,347.11	23.93	99.069	
4,203.63	4,127.06	4,718.87	4,613.15	12.57	14.66	151.73	526.43	1,647.04	2,370.96	2,346.97	23.99	98.845	CC, ES
4,300.00	4,220.77	4,779.43	4,672.22	12.87	14.84	152.04	519.14	1,635.85	2,371.82	2,347.42	24.40	97.214	
4,400.00	4,318.01	4,842.43	4,733.89	13.18	15.03	152.35	512.10	1,625.04	2,374.30	2,349.49	24.82	95.677	
4,500.00	4,415.24	4,900.00	4,790.41	13.50	15.19	152.62	506.15	1,615.91	2,378.40	2,353.19	25.21	94.334	
4,600.00	4,512.48	4,968.80	4,858.18	13.81	15.36	152.94	499.65	1,605.94	2,384.07	2,358.45	25.62	93.043	
4,700.00	4,609.71	5,032.10	4,920.70	14.12	15.51	153.21	494.26	1,597.67	2,391.32	2,365.31	26.01	91.932	
4,800.00	4,706.95	5,100.00	4,987.94	14.43	15.66	153.49	489.11	1,589.77	2,400.14	2,373.74	26.40	90.907	
4,900.00	4,804.19	5,158.76	5,046.25	14.75	15.78	153.72	485.18	1,583.74	2,410.49	2,383.73	26.76	90.092	
5,000.00	4,901.42	5,222.04	5,109.18	15.06	15.89	153.96	481.50	1,578.09	2,422.36	2,395.24	27.11	89.348	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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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		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	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	CC	
400.00	399.99	398.51	398.50	2.41	2.41	68.05	25.96	-0.83	25.46	20.75	4.71	5.407	ES	
500.00	499.91	497.99	497.90	2.78	2.78	70.30	28.89	-3.34	26.92	21.57	5.35	5.031		
600.00	599.69	597.43	597.13	3.12	3.12	73.50	33.78	-7.55	29.45	23.53	5.92	4.974		
633.33	632.91	630.57	630.15	3.15	3.15	74.69	35.84	-9.32	30.54	24.56	5.97	5.112		
700.00	699.32	697.16	696.50	3.26	3.26	76.91	40.24	-13.10	32.90	26.73	6.17	5.330		
800.00	798.94	797.08	796.04	3.50	3.51	79.69	46.84	-18.78	36.53	29.87	6.66	5.483		
900.00	898.56	897.00	895.58	3.74	3.75	81.96	53.45	-24.46	40.23	33.10	7.13	5.639		
1,000.00	998.18	996.93	995.12	3.98	3.98	83.85	60.05	-30.14	43.98	36.39	7.59	5.796		
1,100.00	1,097.80	1,096.85	1,094.66	4.21	4.21	85.44	66.65	-35.81	47.77	39.74	8.03	5.951		
1,200.00	1,197.42	1,196.77	1,194.20	4.43	4.44	86.80	73.26	-41.49	51.59	43.13	8.46	6.098		
1,252.78	1,250.00	1,249.18	1,246.39	4.50	4.58	87.17	76.93	-44.66	53.76	45.13	8.63	6.228		
1,300.00	1,297.01	1,296.02	1,292.97	4.56	4.69	87.19	80.68	-47.87	55.98	47.20	8.78	6.373		
1,400.00	1,396.38	1,395.13	1,391.30	4.82	4.95	87.46	90.02	-55.91	61.53	52.31	9.22	6.675		
1,500.00	1,495.41	1,494.59	1,489.70	5.08	5.10	88.27	101.01	-65.36	68.00	58.43	9.57	7.104		
1,600.00	1,594.05	1,594.32	1,588.33	5.34	5.31	90.79	112.19	-74.97	74.58	64.58	10.00	7.456		
1,700.00	1,692.22	1,693.93	1,686.85	5.60	5.53	94.71	123.35	-84.57	81.47	71.03	10.44	7.801		
1,800.00	1,789.86	1,793.35	1,785.18	5.85	5.74	99.64	134.50	-94.16	89.10	78.21	10.90	8.176		
1,819.64	1,808.97	1,812.85	1,804.46	5.87	5.78	100.70	136.69	-96.04	90.73	79.76	10.97	8.272		
1,900.00	1,887.11	1,892.61	1,883.35	6.02	5.95	104.85	145.63	-103.73	97.76	86.43	11.32	8.634		
2,000.00	1,984.35	1,991.87	1,981.51	6.24	6.16	109.22	156.75	-113.30	107.10	95.30	11.80	9.074		
2,100.00	2,081.58	2,091.12	2,079.68	6.46	6.37	112.88	167.88	-122.86	116.97	104.68	12.29	9.521		
2,200.00	2,178.82	2,190.38	2,177.84	6.68	6.58	115.97	179.01	-132.43	127.24	114.47	12.77	9.966		
2,300.00	2,276.06	2,289.63	2,276.01	6.90	6.79	118.58	190.13	-142.00	137.82	124.57	13.25	10.403		
2,400.00	2,373.29	2,388.89	2,374.17	7.15	7.00	120.83	201.26	-151.57	148.64	134.92	13.73	10.829		
2,500.00	2,470.53	2,488.15	2,472.34	7.41	7.21	122.76	212.39	-161.14	159.66	145.46	14.20	11.242		
2,600.00	2,567.76	2,587.40	2,570.50	7.70	7.41	124.45	223.51	-170.71	170.84	156.16	14.68	11.640		
2,700.00	2,665.00	2,686.66	2,668.67	7.99	7.62	125.93	234.64	-180.27	182.14	166.99	15.15	12.023		
2,800.00	2,762.23	2,785.91	2,766.83	8.28	7.82	127.23	245.77	-189.84	193.55	177.93	15.62	12.392		
2,900.00	2,859.47	2,885.17	2,865.00	8.58	8.03	128.39	256.89	-199.41	205.05	188.96	16.09	12.746		
3,000.00	2,956.71	2,984.43	2,963.16	8.88	8.23	129.42	268.02	-208.98	216.62	200.07	16.56	13.085		
3,100.00	3,053.94	3,083.68	3,061.33	9.18	8.44	130.35	279.15	-218.55	228.26	211.24	17.02	13.410		
3,200.00	3,151.18	3,182.94	3,159.49	9.48	8.64	131.19	290.27	-228.12	239.95	222.46	17.49	13.722		
3,300.00	3,248.41	3,282.19	3,257.66	9.79	8.85	131.96	301.40	-237.68	251.68	233.73	17.95	14.021		
3,400.00	3,345.65	3,381.45	3,355.83	10.09	9.05	132.65	312.53	-247.25	263.46	245.04	18.41	14.308		
3,500.00	3,442.88	3,480.71	3,453.99	10.40	9.26	133.29	323.65	-256.82	275.27	256.39	18.88	14.583		
3,600.00	3,540.12	3,579.96	3,552.16	10.70	9.46	133.87	334.78	-266.39	287.11	267.77	19.34	14.848		
3,700.00	3,637.36	3,679.22	3,650.32	11.01	9.67	134.40	345.91	-275.96	298.97	279.18	19.80	15.102		
3,800.00	3,734.59	3,778.47	3,748.49	11.32	9.87	134.90	357.03	-285.53	310.87	290.61	20.26	15.346		
3,900.00	3,831.83	3,877.73	3,846.65	11.63	10.07	135.36	368.16	-295.09	322.78	302.06	20.72	15.580		
4,000.00	3,929.06	3,976.99	3,944.82	11.94	10.28	135.78	379.29	-304.66	334.71	313.53	21.18	15.806		
4,100.00	4,026.30	4,076.24	4,042.98	12.25	10.48	136.18	390.41	-314.23	346.66	325.02	21.64	16.023		
4,200.00	4,123.54	4,175.50	4,141.15	12.56	10.69	136.55	401.54	-323.80	358.62	336.53	22.09	16.232		
4,300.00	4,220.77	4,274.75	4,239.31	12.87	10.89	136.90	412.67	-333.37	370.60	348.05	22.55	16.433		
4,400.00	4,318.01	4,374.01	4,337.48	13.18	11.09	137.22	423.79	-342.94	382.59	359.58	23.01	16.629		
4,500.00	4,415.24	4,470.44	4,432.95	13.50	11.29	137.62	434.06	-351.76	394.87	371.43	23.44	16.845		
4,600.00	4,512.48	4,565.70	4,527.56	13.81	11.49	138.29	442.45	-358.98	408.08	384.23	23.85	17.110		
4,700.00	4,609.71	4,660.45	4,621.91	14.12	11.68	139.22	449.02	-364.63	422.31	398.08	24.23	17.429		
4,800.00	4,706.95	4,754.58	4,715.83	14.43	11.86	140.36	453.79	-368.73	437.65	413.07	24.58	17.806		

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)							
4,900.00	4,804.19	4,847.97	4,809.14	14.75	12.03	141.69	456.78	-371.30	454.21	429.31		24.90	18.241		
5,000.00	4,901.42	4,940.54	4,901.69	15.06	12.15	143.16	458.04	-372.39	472.11	446.94		25.18	18.751		
5,100.00	4,998.66	5,036.51	4,997.66	15.38	12.22	144.75	458.09	-372.43	491.14	465.71		25.43	19.313		
5,200.00	5,095.89	5,133.75	5,094.89	15.69	12.30	146.25	458.09	-372.43	510.55	484.84		25.71	19.858		
5,300.00	5,193.13	5,230.98	5,192.13	16.00	12.38	147.64	458.09	-372.43	530.29	504.30		25.99	20.402		
5,400.00	5,290.37	5,328.22	5,289.37	16.32	12.46	148.93	458.09	-372.43	550.30	524.03		26.27	20.945		
5,500.00	5,387.60	5,425.45	5,386.60	16.63	12.54	150.13	458.09	-372.43	570.57	544.01		26.56	21.484		
5,600.00	5,484.84	5,522.69	5,483.84	16.95	12.62	151.25	458.09	-372.43	591.07	564.23		26.84	22.020		
5,697.99	5,580.12	5,617.97	5,579.12	17.26	12.69	152.28	458.09	-372.43	611.35	584.23		27.12	22.541		
5,700.00	5,582.07	5,619.93	5,581.07	17.26	12.70	152.30	458.09	-372.43	611.77	584.64		27.13	22.553		
5,800.00	5,679.61	5,717.47	5,678.61	17.56	12.78	153.36	458.09	-372.43	631.46	604.04		27.42	23.029		
5,900.00	5,777.70	5,815.55	5,776.70	17.84	12.86	154.25	458.09	-372.43	648.99	621.28		27.71	23.422		
6,000.00	5,876.26	5,914.11	5,875.26	18.08	12.94	154.98	458.09	-372.43	664.29	636.30		27.99	23.733		
6,100.00	5,975.23	6,013.08	5,974.23	18.30	13.02	155.57	458.09	-372.43	677.30	649.04		28.27	23.961		
6,200.00	6,074.54	6,112.39	6,073.54	18.48	13.10	156.04	458.09	-372.43	687.99	659.46		28.53	24.111		
6,300.00	6,174.12	6,211.97	6,173.12	18.64	13.18	156.39	458.09	-372.43	696.33	667.53		28.79	24.183		
6,400.00	6,273.91	6,311.76	6,272.91	18.77	13.26	156.64	458.09	-372.43	702.28	673.24		29.04	24.182		
6,500.00	6,373.83	6,411.68	6,372.83	18.87	13.34	156.78	458.09	-372.43	705.85	676.57		29.28	24.111		
6,598.18	6,472.00	6,509.85	6,471.00	18.95	13.42	89.61	458.09	-372.43	707.01	677.56		29.45	24.010		
6,600.00	6,473.82	6,511.67	6,472.82	18.95	13.43	89.61	458.09	-372.43	707.01	677.56		29.45	24.009		
6,700.00	6,573.82	6,611.67	6,572.82	19.00	13.51	89.61	458.09	-372.43	707.01	677.42		29.58	23.899		
6,800.00	6,673.82	6,711.67	6,672.82	19.05	13.59	89.61	458.09	-372.43	707.01	677.29		29.72	23.790		
6,900.00	6,773.82	6,811.67	6,772.82	19.11	13.67	89.61	458.09	-372.43	707.01	677.15		29.85	23.682		
7,000.00	6,873.82	6,911.67	6,872.82	19.16	13.75	89.61	458.09	-372.43	707.01	677.02		29.99	23.574		
7,100.00	6,973.82	7,011.67	6,972.82	19.22	13.84	89.61	458.09	-372.43	707.01	676.88		30.13	23.468		
7,200.00	7,073.82	7,111.67	7,072.82	19.27	13.92	89.61	458.09	-372.43	707.01	676.74		30.26	23.362		
7,300.00	7,173.82	7,211.67	7,172.82	19.33	14.00	89.61	458.09	-372.43	707.01	676.61		30.40	23.257		
7,400.00	7,273.82	7,311.67	7,272.82	19.38	14.08	89.61	458.09	-372.43	707.01	676.47		30.54	23.153		
7,500.00	7,373.82	7,411.67	7,372.82	19.44	14.16	89.61	458.09	-372.43	707.01	676.33		30.67	23.049		
7,600.00	7,473.82	7,511.67	7,472.82	19.49	14.25	89.61	458.09	-372.43	707.01	676.20		30.81	22.946		
7,700.00	7,573.82	7,611.67	7,572.82	19.55	14.33	89.61	458.09	-372.43	707.01	676.06		30.95	22.845		
7,800.00	7,673.82	7,711.67	7,672.82	19.60	14.41	89.61	458.09	-372.43	707.01	675.92		31.09	22.743		
7,900.00	7,773.82	7,811.67	7,772.82	19.66	14.49	89.61	458.09	-372.43	707.01	675.78		31.22	22.643		
8,000.00	7,873.82	7,911.67	7,872.82	19.72	14.57	89.61	458.09	-372.43	707.01	675.64		31.36	22.543		
8,100.00	7,973.82	8,011.67	7,972.82	19.77	14.66	89.61	458.09	-372.43	707.01	675.51		31.50	22.444		
8,200.00	8,073.82	8,111.67	8,072.82	19.83	14.74	89.61	458.09	-372.43	707.01	675.37		31.64	22.346		
8,300.00	8,173.82	8,211.67	8,172.82	19.89	14.82	89.61	458.09	-372.43	707.01	675.23		31.78	22.248		
8,400.00	8,273.82	8,311.67	8,272.82	19.94	14.90	89.61	458.09	-372.43	707.01	675.09		31.92	22.151		
8,500.00	8,373.82	8,411.67	8,372.82	20.00	14.98	89.61	458.09	-372.43	707.01	674.95		32.06	22.055		
8,600.00	8,473.82	8,511.67	8,472.82	20.06	15.07	89.61	458.09	-372.43	707.01	674.81		32.20	21.960		
8,700.00	8,573.82	8,611.67	8,572.82	20.11	15.15	89.61	458.09	-372.43	707.01	674.67		32.34	21.865		
8,800.00	8,673.82	8,711.67	8,672.82	20.17	15.23	89.61	458.09	-372.43	707.01	674.53		32.48	21.771		
8,900.00	8,773.82	8,811.67	8,772.82	20.23	15.31	89.61	458.09	-372.43	707.01	674.39		32.61	21.677		
9,000.00	8,873.82	8,911.67	8,872.82	20.29	15.40	89.61	458.09	-372.43	707.01	674.25		32.76	21.585		
9,100.00	8,973.82	9,011.67	8,972.82	20.35	15.48	89.61	458.09	-372.43	707.01	674.11		32.90	21.493		
9,200.00	9,073.82	9,111.67	9,072.82	20.40	15.56	89.61	458.09	-372.43	707.01	673.97		33.04	21.401		
9,300.00	9,173.82	9,211.67	9,172.82	20.46	15.64	89.61	458.09	-372.43	707.01	673.83		33.18	21.310		
9,400.00	9,273.82	9,311.67	9,272.82	20.52	15.72	89.61	458.09	-372.43	707.01	673.69		33.32	21.220		
9,500.00	9,373.82	9,411.67	9,372.82	20.58	15.81	89.61	458.09	-372.43	707.01	673.55		33.46	21.131		
9,600.00	9,473.82	9,511.67	9,472.82	20.64	15.89	89.61	458.09	-372.43	707.01	673.41		33.60	21.042		
9,700.00	9,573.82	9,611.67	9,572.82	20.70	15.97	89.61	458.09	-372.43	707.01	673.27		33.74	20.954		
9,800.00	9,673.82	9,711.67	9,672.82	20.76	16.05	89.61	458.09	-372.43	707.01	673.12		33.88	20.866		

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)						
9,900.00	9,773.82	9,811.67	9,772.82	20.82	16.13	89.61	458.09	-372.43	707.01	672.98	34.02	20.780		
10,000.00	9,873.82	9,911.67	9,872.82	20.87	16.22	89.61	458.09	-372.43	707.01	672.84	34.17	20.693		
10,100.00	9,973.82	10,011.67	9,972.82	20.93	16.30	89.61	458.09	-372.43	707.01	672.70	34.31	20.608		
10,200.00	10,073.82	10,111.67	10,072.82	20.99	16.38	89.61	458.09	-372.43	707.01	672.56	34.45	20.523		
10,300.00	10,173.82	10,211.67	10,172.82	21.05	16.46	89.61	458.09	-372.43	707.01	672.41	34.59	20.438		
10,400.00	10,273.82	10,311.67	10,272.82	21.11	16.54	89.61	458.09	-372.43	707.01	672.27	34.74	20.354		
10,500.00	10,373.82	10,411.67	10,372.82	21.17	16.63	89.61	458.09	-372.43	707.01	672.13	34.88	20.271		
10,600.00	10,473.82	10,511.67	10,472.82	21.23	16.71	89.61	458.09	-372.43	707.01	671.99	35.02	20.188		
10,700.00	10,573.82	10,611.67	10,572.82	21.30	16.79	89.61	458.09	-372.43	707.01	671.84	35.16	20.106		
10,800.00	10,673.82	10,711.67	10,672.82	21.36	16.87	89.61	458.09	-372.43	707.01	671.70	35.31	20.025		
10,900.00	10,773.82	10,811.67	10,772.82	21.42	16.96	89.61	458.09	-372.43	707.01	671.56	35.45	19.944		
11,000.00	10,873.82	10,911.67	10,872.82	21.48	17.04	89.61	458.09	-372.43	707.01	671.41	35.59	19.863		
11,100.00	10,973.82	11,011.67	10,972.82	21.54	17.12	89.61	458.09	-372.43	707.01	671.27	35.74	19.783		
11,200.00	11,073.82	11,111.67	11,072.82	21.60	17.20	89.61	458.09	-372.43	707.01	671.13	35.88	19.704		
11,300.00	11,173.82	11,211.67	11,172.82	21.66	17.28	89.61	458.09	-372.43	707.01	670.98	36.02	19.626		
11,400.00	11,273.82	11,311.67	11,272.82	21.72	17.37	89.61	458.09	-372.43	707.01	670.84	36.17	19.547		
11,500.00	11,373.82	11,411.67	11,372.82	21.78	17.45	89.61	458.09	-372.43	707.01	670.69	36.31	19.470		
11,600.00	11,473.82	11,511.67	11,472.82	21.85	17.53	89.61	458.09	-372.43	707.01	670.55	36.46	19.393		
11,700.00	11,573.82	11,611.67	11,572.82	21.91	17.61	89.61	458.09	-372.43	707.01	670.40	36.60	19.316		
11,800.00	11,673.82	11,711.67	11,672.82	21.97	17.69	89.61	458.09	-372.43	707.01	670.26	36.75	19.240		
11,900.00	11,773.82	11,811.67	11,772.82	22.03	17.78	89.61	458.09	-372.43	707.01	670.12	36.89	19.165		
12,000.00	11,873.82	11,911.67	11,872.82	22.09	17.86	89.61	458.09	-372.43	707.01	669.97	37.03	19.090		
12,064.18	11,938.00	11,975.85	11,937.00	22.12	17.90	89.61	458.09	-372.43	707.01	669.90	37.11	19.053		
12,068.46	11,942.28	11,980.12	11,941.27	22.13	17.90	-89.90	458.07	-372.43	707.01	669.90	37.11	19.053		
12,100.00	11,973.80	12,011.59	11,972.72	22.13	17.91	-89.90	456.98	-372.42	707.01	669.91	37.10	19.057		
12,150.00	12,023.50	12,061.48	12,022.31	22.15	17.92	-89.90	451.70	-372.38	707.01	669.97	37.04	19.089		
12,200.00	12,072.55	12,111.37	12,071.26	22.16	17.94	-89.90	442.14	-372.29	707.01	670.07	36.94	19.141		
12,250.00	12,120.58	12,161.27	12,119.19	22.16	17.95	-89.90	428.35	-372.17	707.01	670.20	36.80	19.210		
12,300.00	12,167.22	12,211.16	12,165.75	22.15	17.96	-89.91	410.45	-372.02	707.01	670.36	36.64	19.295		
12,350.00	12,212.11	12,261.06	12,210.58	22.13	17.97	-89.91	388.56	-371.83	707.01	670.55	36.46	19.394		
12,400.00	12,254.92	12,310.97	12,253.33	22.11	17.98	-89.91	362.85	-371.61	707.01	670.76	36.25	19.503		
12,450.00	12,295.31	12,360.88	12,293.69	22.09	17.99	-89.92	333.52	-371.36	707.01	670.97	36.04	19.619		
12,500.00	12,332.99	12,410.79	12,331.35	22.08	18.01	-89.93	300.79	-371.08	707.01	671.19	35.82	19.738		
12,533.65	12,356.67	12,444.39	12,355.04	22.07	18.02	-89.93	276.96	-370.87	707.01	671.33	35.68	19.817		
12,550.00	12,367.66	12,460.72	12,366.03	22.06	18.02	-89.93	264.90	-370.77	707.01	671.40	35.61	19.855		
12,600.00	12,399.06	12,510.64	12,397.45	22.06	18.04	-89.94	226.12	-370.43	707.01	671.59	35.42	19.963		
12,650.00	12,426.95	12,560.58	12,425.39	22.07	18.07	-89.95	184.74	-370.08	707.01	671.76	35.25	20.059		
12,700.00	12,451.12	12,610.53	12,449.62	22.09	18.10	-89.95	141.09	-369.70	707.01	671.90	35.11	20.137		
12,750.00	12,471.39	12,660.48	12,469.95	22.12	18.13	-89.96	95.48	-369.31	707.01	671.99	35.01	20.193		
12,800.00	12,487.60	12,710.45	12,486.25	22.18	18.17	-89.97	48.27	-368.90	707.01	672.04	34.96	20.221		
12,850.00	12,499.62	12,760.42	12,498.37	22.25	18.22	-89.98	-0.20	-368.48	707.01	672.04	34.97	20.219		
12,900.00	12,507.37	12,810.40	12,506.22	22.35	18.28	-89.99	-49.54	-368.06	707.01	671.98	35.02	20.187		
12,950.00	12,510.78	12,860.39	12,509.75	22.46	18.36	-90.00	-99.39	-367.63	707.01	671.87	35.13	20.124		
12,959.18	12,510.94	12,869.57	12,509.92	22.49	18.37	-90.00	-108.57	-367.55	707.01	671.85	35.16	20.110		
13,000.00	12,511.29	12,910.39	12,510.28	22.60	18.44	-90.00	-149.39	-367.20	707.01	671.71	35.30	20.027		
13,100.00	12,512.17	13,010.39	12,511.15	22.92	18.64	-90.00	-249.38	-366.34	707.01	671.19	35.81	19.741		
13,200.00	12,513.04	13,110.39	12,512.03	23.29	18.91	-90.00	-349.37	-365.48	707.01	670.48	36.53	19.356		
13,300.00	12,513.91	13,210.39	12,512.90	23.73	19.24	-90.00	-449.36	-364.62	707.01	669.58	37.43	18.890		
13,400.00	12,514.78	13,310.39	12,513.77	24.22	19.66	-90.00	-549.36	-363.76	707.01	668.51	38.50	18.363		
13,500.00	12,515.66	13,410.39	12,514.65	24.77	20.17	-90.00	-649.35	-362.90	707.01	667.27	39.74	17.792		
13,600.00	12,516.53	13,510.39	12,515.52	25.36	20.77	-90.00	-749.34	-362.03	707.01	665.89	41.12	17.195		
13,700.00	12,517.40	13,610.39	12,516.39	26.00	21.45	-90.00	-849.33	-361.17	707.01	664.38	42.63	16.585		

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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 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)						
13,800.00	12,518.28	13,710.39	12,517.27	26.70	22.20	-90.00	-949.33	-360.31	707.01	662.75	44.26	15.974		
13,900.00	12,519.15	13,810.39	12,518.14	27.43	23.02	-90.00	-1,049.32	-359.45	707.01	661.01	46.00	15.371		
14,000.00	12,520.02	13,910.39	12,519.01	28.21	23.90	-90.00	-1,149.31	-358.59	707.01	659.18	47.82	14.783		
14,100.00	12,520.90	14,010.39	12,519.89	29.03	24.83	-90.00	-1,249.30	-357.73	707.01	657.27	49.74	14.215		
14,200.00	12,521.77	14,110.39	12,520.76	29.88	25.80	-90.00	-1,349.29	-356.87	707.01	655.29	51.72	13.669		
14,300.00	12,522.64	14,210.39	12,521.63	30.77	26.81	-90.00	-1,449.29	-356.01	707.01	653.23	53.78	13.147		
14,400.00	12,523.52	14,310.39	12,522.51	31.70	27.86	-90.00	-1,549.28	-355.15	707.01	651.12	55.89	12.650		
14,500.00	12,524.39	14,410.39	12,523.38	32.65	28.93	-90.00	-1,649.27	-354.29	707.01	648.96	58.05	12.179		
14,600.00	12,525.26	14,510.39	12,524.25	33.63	30.03	-90.00	-1,749.26	-353.43	707.01	646.75	60.26	11.732		
14,700.00	12,526.13	14,610.39	12,525.13	34.64	31.15	-90.00	-1,849.26	-352.56	707.01	644.49	62.52	11.309		
14,800.00	12,527.01	14,710.39	12,526.00	35.67	32.30	-90.00	-1,949.25	-351.70	707.01	642.20	64.81	10.909		
14,900.00	12,527.88	14,810.39	12,526.87	36.72	33.46	-90.00	-2,049.24	-350.84	707.01	639.88	67.13	10.532		
15,000.00	12,528.75	14,910.39	12,527.75	37.79	34.64	-90.00	-2,149.23	-349.98	707.01	637.53	69.48	10.175		
15,100.00	12,529.63	15,010.39	12,528.62	38.88	35.83	-90.00	-2,249.23	-349.12	707.01	635.15	71.87	9.838		
15,200.00	12,530.50	15,110.39	12,529.49	39.99	37.03	-90.00	-2,349.22	-348.26	707.01	632.74	74.27	9.519		
15,300.00	12,531.37	15,210.39	12,530.37	41.11	38.25	-90.00	-2,449.21	-347.40	707.01	630.31	76.70	9.218		
15,400.00	12,532.25	15,310.39	12,531.24	42.25	39.47	-90.00	-2,549.20	-346.54	707.01	627.86	79.15	8.933		
15,500.00	12,533.12	15,410.39	12,532.11	43.40	40.71	-90.00	-2,649.20	-345.68	707.01	625.40	81.62	8.663		
15,600.00	12,533.99	15,510.39	12,532.99	44.56	41.95	-90.00	-2,749.19	-344.82	707.01	622.91	84.10	8.407		
15,700.00	12,534.86	15,610.39	12,533.86	45.74	43.21	-90.00	-2,849.18	-343.95	707.01	620.41	86.60	8.164		
15,800.00	12,535.74	15,710.39	12,534.73	46.92	44.47	-90.00	-2,949.17	-343.09	707.01	617.90	89.11	7.934		
15,900.00	12,536.61	15,810.39	12,535.61	48.12	45.73	-90.00	-3,049.17	-342.23	707.01	615.38	91.64	7.715		
16,000.00	12,537.48	15,910.39	12,536.48	49.32	47.00	-90.00	-3,149.16	-341.37	707.02	612.84	94.18	7.507		
16,100.00	12,538.36	16,010.39	12,537.35	50.54	48.28	-90.00	-3,249.15	-340.51	707.02	610.29	96.73	7.309		
16,200.00	12,539.23	16,110.39	12,538.23	51.76	49.56	-90.00	-3,349.14	-339.65	707.02	607.73	99.29	7.121		
16,300.00	12,540.10	16,210.39	12,539.10	52.99	50.85	-90.00	-3,449.14	-338.79	707.02	605.16	101.85	6.941		
16,400.00	12,540.98	16,310.39	12,539.97	54.22	52.14	-90.00	-3,549.13	-337.93	707.02	602.58	104.43	6.770		
16,500.00	12,541.85	16,410.39	12,540.84	55.46	53.44	-90.00	-3,649.12	-337.07	707.02	600.00	107.02	6.607		
16,600.00	12,542.72	16,510.39	12,541.72	56.71	54.74	-90.00	-3,749.11	-336.21	707.02	597.41	109.61	6.450		
16,700.00	12,543.60	16,610.39	12,542.59	57.96	56.04	-90.00	-3,849.11	-335.35	707.02	594.81	112.21	6.301		
16,800.00	12,544.47	16,710.39	12,543.46	59.22	57.35	-90.00	-3,949.10	-334.48	707.02	592.20	114.82	6.158		
16,900.00	12,545.34	16,810.39	12,544.34	60.48	58.66	-90.00	-4,049.09	-333.62	707.02	589.59	117.43	6.021		
17,000.00	12,546.21	16,910.39	12,545.21	61.75	59.97	-90.00	-4,149.08	-332.76	707.02	586.97	120.05	5.889		
17,100.00	12,547.09	17,010.39	12,546.08	63.02	61.28	-90.00	-4,249.08	-331.90	707.02	584.35	122.67	5.764		
17,200.00	12,547.96	17,110.39	12,546.96	64.30	62.60	-90.00	-4,349.07	-331.04	707.02	581.72	125.30	5.643		
17,300.00	12,548.83	17,210.39	12,547.83	65.58	63.92	-90.00	-4,449.06	-330.18	707.02	579.09	127.93	5.526		
17,400.00	12,549.71	17,310.39	12,548.70	66.86	65.24	-90.00	-4,549.05	-329.32	707.02	576.45	130.57	5.415		
17,500.00	12,550.58	17,410.39	12,549.58	68.15	66.56	-90.00	-4,649.05	-328.46	707.02	573.81	133.21	5.307		
17,600.00	12,551.45	17,510.39	12,550.45	69.44	67.89	-90.00	-4,749.04	-327.60	707.02	571.16	135.86	5.204		
17,700.00	12,552.33	17,610.39	12,551.32	70.73	69.21	-90.00	-4,849.03	-326.74	707.02	568.51	138.51	5.105		
17,800.00	12,553.20	17,710.39	12,552.20	72.03	70.54	-90.00	-4,949.02	-325.88	707.02	565.86	141.16	5.009		
17,900.00	12,554.07	17,810.39	12,553.07	73.33	71.87	-90.00	-5,049.02	-325.01	707.02	563.21	143.81	4.916		
18,000.00	12,554.94	17,910.39	12,553.94	74.63	73.20	-90.00	-5,149.01	-324.15	707.02	560.55	146.47	4.827		
18,100.00	12,555.82	18,010.39	12,554.82	75.94	74.53	-90.00	-5,249.00	-323.29	707.02	557.89	149.14	4.741		
18,200.00	12,556.69	18,110.39	12,555.69	77.24	75.87	-90.00	-5,348.99	-322.43	707.02	555.22	151.80	4.658		
18,300.00	12,557.56	18,210.39	12,556.56	78.55	77.20	-90.00	-5,448.99	-321.57	707.02	552.55	154.47	4.577		
18,400.00	12,558.44	18,310.39	12,557.44	79.86	78.54	-90.00	-5,548.98	-320.71	707.02	549.88	157.14	4.499		
18,500.00	12,559.31	18,410.39	12,558.31	81.17	79.88	-90.00	-5,648.97	-319.85	707.02	547.21	159.81	4.424		
18,600.00	12,560.18	18,510.39	12,559.18	82.49	81.22	-90.00	-5,748.96	-318.99	707.02	544.54	162.48	4.351		
18,700.00	12,561.06	18,610.39	12,560.06	83.80	82.56	-90.00	-5,848.96	-318.13	707.02	541.86	165.16	4.281		
18,800.00	12,561.93	18,710.39	12,560.93	85.12	83.90	-90.00	-5,948.95	-317.27	707.02	539.18	167.84	4.213		
18,900.00	12,562.80	18,810.39	12,561.80	86.44	85.24	-90.00	-6,048.94	-316.41	707.02	536.50	170.52	4.146		

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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	Offset	Semi Major Axis	Offset Wellbore Centre					Rule Assigned: Distance			Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
19,000.00	12,563.68	18,910.39	12,562.68	87.76	86.58	-90.00	-6,148.93	-315.54	707.02	533.82	173.20	4.082		
19,100.00	12,564.55	19,010.39	12,563.55	89.08	87.93	-90.00	-6,248.93	-314.68	707.02	531.14	175.89	4.020		
19,200.00	12,565.42	19,110.39	12,564.42	90.41	89.27	-90.00	-6,348.92	-313.82	707.02	528.45	178.57	3.959		
19,300.00	12,566.29	19,210.39	12,565.30	91.73	90.61	-90.00	-6,448.91	-312.96	707.02	525.77	181.26	3.901		
19,400.00	12,567.17	19,310.39	12,566.17	93.06	91.96	-90.00	-6,548.90	-312.10	707.02	523.08	183.95	3.844		
19,500.00	12,568.04	19,410.39	12,567.04	94.39	93.31	-90.00	-6,648.90	-311.24	707.02	520.39	186.64	3.788		
19,600.00	12,568.91	19,510.39	12,567.92	95.72	94.65	-90.00	-6,748.89	-310.38	707.03	517.70	189.33	3.734		
19,700.00	12,569.79	19,610.39	12,568.79	97.05	96.00	-90.00	-6,848.88	-309.52	707.03	515.00	192.02	3.682		
19,800.00	12,570.66	19,710.39	12,569.66	98.38	97.35	-90.00	-6,948.87	-308.66	707.03	512.31	194.72	3.631		
19,900.00	12,571.53	19,810.39	12,570.53	99.71	98.70	-90.00	-7,048.87	-307.80	707.03	509.61	197.41	3.581		
20,000.00	12,572.41	19,910.39	12,571.41	101.04	100.05	-90.00	-7,148.86	-306.94	707.03	506.92	200.11	3.533		
20,100.00	12,573.28	20,010.39	12,572.28	102.38	101.40	-90.00	-7,248.85	-306.07	707.03	504.22	202.81	3.486		
20,200.00	12,574.15	20,110.39	12,573.15	103.71	102.75	-90.00	-7,348.84	-305.21	707.03	501.52	205.51	3.440		
20,300.00	12,575.02	20,210.39	12,574.03	105.05	104.10	-90.00	-7,448.84	-304.35	707.03	498.82	208.21	3.396		
20,400.00	12,575.90	20,310.39	12,574.90	106.39	105.45	-90.00	-7,548.83	-303.49	707.03	496.12	210.91	3.352		
20,500.00	12,576.77	20,410.39	12,575.77	107.72	106.81	-90.00	-7,648.82	-302.63	707.03	493.42	213.61	3.310		
20,600.00	12,577.64	20,510.39	12,576.65	109.06	108.16	-90.00	-7,748.81	-301.77	707.03	490.71	216.31	3.269		
20,700.00	12,578.52	20,610.39	12,577.52	110.40	109.51	-90.00	-7,848.81	-300.91	707.03	488.01	219.02	3.228		
20,800.00	12,579.39	20,710.39	12,578.39	111.74	110.86	-90.00	-7,948.80	-300.05	707.03	485.31	221.72	3.189		
20,900.00	12,580.26	20,810.39	12,579.27	113.08	112.22	-90.00	-8,048.79	-299.19	707.03	482.60	224.43	3.150		
21,000.00	12,581.14	20,910.39	12,580.14	114.43	113.57	-90.00	-8,148.78	-298.33	707.03	479.89	227.14	3.113		
21,100.00	12,582.01	21,010.39	12,581.01	115.77	114.93	-90.00	-8,248.78	-297.47	707.03	477.19	229.84	3.076		
21,200.00	12,582.88	21,110.39	12,581.89	117.11	116.28	-90.00	-8,348.77	-296.60	707.03	474.48	232.55	3.040		
21,300.00	12,583.76	21,210.39	12,582.76	118.45	117.64	-90.00	-8,448.76	-295.74	707.03	471.77	235.26	3.005		
21,400.00	12,584.63	21,310.39	12,583.63	119.80	118.99	-90.00	-8,548.75	-294.88	707.03	469.06	237.97	2.971		
21,500.00	12,585.50	21,410.39	12,584.51	121.14	120.35	-90.00	-8,648.75	-294.02	707.03	466.35	240.68	2.938		
21,600.00	12,586.37	21,510.39	12,585.38	122.49	121.71	-90.00	-8,748.74	-293.16	707.03	463.64	243.39	2.905		
21,700.00	12,587.25	21,610.39	12,586.25	123.83	123.06	-90.00	-8,848.73	-292.30	707.03	460.93	246.10	2.873		
21,800.00	12,588.12	21,710.39	12,587.13	125.18	124.42	-90.00	-8,948.72	-291.44	707.03	458.22	248.81	2.842		
21,900.00	12,588.99	21,810.39	12,588.00	126.53	125.78	-90.00	-9,048.72	-290.58	707.03	455.50	251.53	2.811		
22,000.00	12,589.87	21,910.39	12,588.87	127.87	127.13	-90.00	-9,148.71	-289.72	707.03	452.79	254.24	2.781		
22,100.00	12,590.74	22,010.39	12,589.75	129.22	128.49	-90.00	-9,248.70	-288.86	707.03	450.08	256.95	2.752		
22,200.00	12,591.61	22,110.39	12,590.62	130.57	129.85	-90.00	-9,348.69	-288.00	707.03	447.36	259.67	2.723		
22,300.00	12,592.49	22,210.39	12,591.49	131.92	131.21	-90.00	-9,448.69	-287.13	707.03	444.65	262.38	2.695		
22,400.00	12,593.36	22,310.39	12,592.37	133.27	132.57	-90.00	-9,548.68	-286.27	707.03	441.93	265.10	2.667		
22,500.00	12,594.23	22,410.39	12,593.24	134.62	133.92	-90.00	-9,648.67	-285.41	707.03	439.22	267.81	2.640		
22,600.00	12,595.10	22,510.39	12,594.11	135.97	135.28	-90.00	-9,748.66	-284.55	707.03	436.50	270.53	2.614		
22,700.00	12,595.98	22,610.39	12,594.99	137.32	136.64	-90.00	-9,848.66	-283.69	707.03	433.79	273.25	2.588		
22,800.00	12,596.85	22,710.39	12,595.86	138.67	138.00	-90.00	-9,948.65	-282.83	707.03	431.07	275.97	2.562		
22,810.45	12,596.94	22,720.84	12,595.95	138.81	138.14	-90.00	-9,959.10	-282.74	707.03	430.78	276.25	2.559		
22,897.27	12,597.70	22,806.75	12,596.70	139.98	139.31	-90.00	-10,045.00	-282.00	707.03	428.46	278.57	2.538	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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 217H - OH - Plan 1														Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)														Offset Well Error:	0.50 usft
Reference Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Major Reference (usft)	Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)							
0.00	0.00	0.00	0.00	0.50	0.50	0.00	210.00	0.00	210.00	210.00					
100.00	100.00	100.00	100.00	0.98	0.98	0.00	210.00	0.00	210.00	208.04	1.96	107.024			
200.00	200.00	200.00	200.00	1.56	1.56	0.00	210.00	0.00	210.00	206.88	3.12	67.259			
300.00	300.00	300.00	300.00	1.98	1.98	0.00	210.00	0.00	210.00	206.04	3.96	52.999			
400.00	399.99	399.99	399.99	2.41	2.33	67.56	210.00	0.00	209.50	204.83	4.67	44.871			
500.00	499.91	499.91	499.91	2.78	2.63	68.58	210.00	0.00	208.03	202.75	5.28	39.371			
600.00	599.69	599.69	599.69	3.12	2.91	70.30	210.00	0.00	205.73	199.89	5.84	35.239			
633.33	632.91	632.91	632.91	3.15	2.99	71.04	210.00	0.00	204.81	198.86	5.95	34.433			
700.00	699.32	699.32	699.32	3.26	3.16	72.58	210.00	0.00	202.99	196.77	6.22	32.639			
800.00	798.94	798.94	798.94	3.50	3.40	74.95	210.00	0.00	200.55	193.84	6.70	29.919			
900.00	898.56	898.56	898.56	3.74	3.62	77.37	210.00	0.00	198.45	191.29	7.16	27.711			
1,000.00	998.18	998.01	998.01	3.98	3.76	79.85	210.00	0.04	196.73	189.21	7.53	26.139			
1,100.00	1,097.80	1,096.42	1,096.40	4.21	3.99	82.82	209.94	1.77	195.79	187.86	7.93	24.686			
1,127.70	1,125.39	1,123.57	1,123.54	4.27	4.06	83.77	209.91	2.70	195.73	187.69	8.04	24.343	CC, ES		
1,200.00	1,197.42	1,194.25	1,194.14	4.43	4.22	86.49	209.79	6.00	196.13	187.80	8.33	23.551			
1,252.78	1,250.00	1,245.62	1,245.41	4.50	4.34	88.68	209.68	9.23	196.99	188.51	8.48	23.220			
1,300.00	1,297.01	1,291.35	1,291.01	4.56	4.44	90.83	209.56	12.67	198.24	189.62	8.62	22.994			
1,400.00	1,396.38	1,388.99	1,388.28	4.82	4.58	96.08	209.26	21.12	202.55	193.57	8.98	22.557			
1,500.00	1,495.41	1,486.52	1,485.44	5.08	4.75	101.73	208.97	29.61	209.15	199.76	9.39	22.274			
1,600.00	1,594.05	1,583.45	1,582.00	5.34	4.93	107.55	208.67	38.05	218.57	208.75	9.82	22.259			
1,700.00	1,692.22	1,679.70	1,677.88	5.60	5.10	113.35	208.38	46.44	231.28	221.01	10.27	22.530			
1,800.00	1,789.86	1,775.21	1,773.03	5.85	5.27	118.94	208.09	54.76	247.57	236.84	10.72	23.084			
1,819.64	1,808.97	1,793.88	1,791.63	5.87	5.30	120.00	208.03	56.38	251.21	240.41	10.80	23.271			
1,900.00	1,887.11	1,870.19	1,867.65	6.02	5.44	124.26	207.80	63.03	267.15	256.01	11.13	23.996			
2,000.00	1,984.35	1,965.15	1,962.25	6.24	5.61	128.92	207.51	71.30	288.82	277.25	11.58	24.949			
2,100.00	2,081.58	2,060.12	2,056.85	6.46	5.78	132.93	207.22	79.57	312.15	300.14	12.01	25.991			
2,200.00	2,178.82	2,155.08	2,151.45	6.68	5.95	136.39	206.93	87.84	336.77	324.33	12.44	27.078			
2,300.00	2,276.06	2,246.09	2,242.10	6.90	6.12	139.26	206.76	95.98	362.69	349.84	12.84	28.240			
2,400.00	2,373.29	2,332.21	2,327.72	7.15	6.29	141.59	207.36	105.19	391.24	378.02	13.22	29.585			
2,500.00	2,470.53	2,417.28	2,412.09	7.41	6.47	143.54	208.81	115.98	422.47	408.87	13.60	31.062			
2,600.00	2,567.76	2,500.00	2,493.89	7.70	6.64	145.14	211.03	128.08	456.16	442.20	13.96	32.677			
2,700.00	2,665.00	2,584.02	2,576.69	7.99	6.82	146.49	214.11	141.99	492.12	477.80	14.32	34.355			
2,800.00	2,762.23	2,665.59	2,656.77	8.28	6.99	147.57	217.89	157.04	530.22	515.54	14.67	36.135			
2,900.00	2,859.47	2,745.89	2,735.26	8.58	7.16	148.45	222.37	173.34	570.31	555.29	15.01	37.987			
3,000.00	2,956.71	2,824.88	2,812.13	8.88	7.33	149.15	227.50	190.81	612.30	596.95	15.35	39.902			
3,100.00	3,053.94	2,903.15	2,887.91	9.18	7.50	149.71	233.30	209.51	656.09	640.42	15.67	41.866			
3,200.00	3,151.18	2,992.47	2,974.18	9.48	7.67	150.24	240.28	231.55	700.70	684.63	16.06	43.619			
3,300.00	3,248.41	3,081.78	3,060.45	9.79	7.84	150.72	247.26	253.59	745.35	728.89	16.46	45.285			
3,400.00	3,345.65	3,171.10	3,146.73	10.09	8.01	151.14	254.25	275.63	790.04	773.19	16.86	46.869			
3,500.00	3,442.88	3,260.41	3,233.00	10.40	8.18	151.51	261.23	297.67	834.76	817.51	17.26	48.376			
3,600.00	3,540.12	3,349.73	3,319.27	10.70	8.37	151.85	268.21	319.71	879.51	861.85	17.66	49.809			
3,700.00	3,637.36	3,439.05	3,405.54	11.01	8.62	152.15	275.19	341.75	924.28	906.22	18.06	51.176			
3,800.00	3,734.59	3,528.36	3,491.82	11.32	8.88	152.43	282.17	363.78	969.06	950.60	18.47	52.479			
3,900.00	3,831.83	3,617.68	3,578.09	11.63	9.14	152.68	289.15	385.82	1,013.87	995.00	18.87	53.721			
4,000.00	3,929.06	3,707.00	3,664.36	11.94	9.40	152.91	296.13	407.86	1,058.69	1,039.40	19.28	54.907			
4,100.00	4,026.30	3,796.31	3,750.64	12.25	9.66	153.12	303.11	429.90	1,103.52	1,083.83	19.69	56.039			
4,200.00	4,123.54	3,885.63	3,836.91	12.56	9.93	153.32	310.09	451.94	1,148.36	1,128.25	20.10	57.121			
4,300.00	4,220.77	3,974.95	3,923.18	12.87	10.20	153.50	317.07	473.98	1,193.21	1,172.69	20.52	58.156			
4,400.00	4,318.01	4,064.26	4,009.45	13.18	10.48	153.67	324.05	496.02	1,238.07	1,217.14	20.93	59.146			
4,500.00	4,415.24	4,153.58	4,095.73	13.50	10.75	153.82	331.03	518.06	1,282.94	1,261.59	21.35	60.094			
4,600.00	4,512.48	4,242.90	4,182.00	13.81	11.03	153.97	338.01	540.10	1,327.81	1,306.05	21.77	61.002			
4,700.00	4,609.71	4,332.21	4,268.27	14.12	11.31	154.10	344.99	562.14	1,372.70	1,350.51	22.19	61.872			

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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: Reference		0-MWD+HRGM+SAG+FDIR (rev.5) Offset		Semi Major Axis		Highside Toolface (°)	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)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,800.00	4,706.95	4,421.53	4,354.54	14.43	11.59	154.23	351.97	584.18	1,417.58	1,394.98	22.61	62.707	
4,900.00	4,804.19	4,510.85	4,440.82	14.75	11.87	154.35	358.95	606.22	1,462.48	1,439.45	23.03	63.509	
5,000.00	4,901.42	4,600.16	4,527.09	15.06	12.16	154.46	365.93	628.25	1,507.37	1,483.92	23.45	64.278	
5,100.00	4,998.66	4,689.48	4,613.36	15.38	12.44	154.57	372.91	650.29	1,552.28	1,528.40	23.87	65.017	
5,200.00	5,095.89	4,778.80	4,699.64	15.69	12.73	154.67	379.89	672.33	1,597.18	1,572.88	24.30	65.727	
5,300.00	5,193.13	4,868.11	4,785.91	16.00	13.02	154.76	386.87	694.37	1,642.09	1,617.37	24.73	66.411	
5,400.00	5,290.37	4,957.43	4,872.18	16.32	13.31	154.85	393.85	716.41	1,687.00	1,661.85	25.15	67.068	
5,500.00	5,387.60	5,046.74	4,958.45	16.63	13.60	154.94	400.83	738.45	1,731.92	1,706.34	25.58	67.701	
5,600.00	5,484.84	5,136.06	5,044.73	16.95	13.89	155.02	407.81	760.49	1,776.84	1,750.83	26.01	68.311	
5,697.99	5,580.12	5,223.58	5,129.26	17.26	14.18	155.09	414.65	782.09	1,820.86	1,794.43	26.43	68.890	
5,700.00	5,582.07	5,225.38	5,131.00	17.26	14.19	155.10	414.79	782.53	1,821.76	1,795.32	26.44	68.904	
5,800.00	5,679.61	5,315.25	5,217.81	17.56	14.48	155.46	421.82	804.71	1,865.58	1,838.70	26.88	69.416	
5,900.00	5,777.70	5,419.68	5,318.70	17.84	14.82	155.76	429.95	830.38	1,907.19	1,879.82	27.36	69.696	
6,000.00	5,876.26	5,599.25	5,493.50	18.08	15.36	156.01	442.36	869.55	1,943.94	1,915.74	28.20	68.940	
6,100.00	5,975.23	5,786.36	5,677.47	18.30	15.83	156.23	452.63	901.99	1,974.12	1,945.14	28.98	68.109	
6,200.00	6,074.54	5,979.74	5,869.12	18.48	16.21	156.42	460.38	926.45	1,997.40	1,967.69	29.71	67.234	
6,300.00	6,174.12	6,177.89	6,066.58	18.64	16.51	156.59	465.27	941.89	2,013.53	1,983.18	30.35	66.349	
6,400.00	6,273.91	6,379.09	6,267.67	18.77	16.70	156.74	467.06	947.56	2,022.31	1,991.48	30.83	65.588	
6,500.00	6,373.83	6,485.25	6,373.83	18.87	16.76	156.81	467.07	947.58	2,025.89	1,994.83	31.05	65.241	
6,598.18	6,472.00	6,583.42	6,472.00	18.95	16.81	89.61	467.07	947.58	2,027.05	1,995.84	31.20	64.964	
6,600.00	6,473.82	6,585.24	6,473.82	18.95	16.81	89.61	467.07	947.58	2,027.05	1,995.84	31.20	64.962	
6,700.00	6,573.82	6,685.24	6,573.82	19.00	16.87	89.61	467.07	947.58	2,027.05	1,995.73	31.32	64.726	
6,800.00	6,673.82	6,785.24	6,673.82	19.05	16.93	89.61	467.07	947.58	2,027.05	1,995.62	31.43	64.491	
6,900.00	6,773.82	6,885.24	6,773.82	19.11	16.99	89.61	467.07	947.58	2,027.05	1,995.50	31.55	64.257	
7,000.00	6,873.82	6,985.24	6,873.82	19.16	17.05	89.61	467.07	947.58	2,027.05	1,995.39	31.66	64.023	
7,100.00	6,973.82	7,085.24	6,973.82	19.22	17.10	89.61	467.07	947.58	2,027.05	1,995.27	31.78	63.791	
7,200.00	7,073.82	7,185.24	7,073.82	19.27	17.16	89.61	467.07	947.58	2,027.05	1,995.15	31.89	63.559	
7,300.00	7,173.82	7,285.24	7,173.82	19.33	17.22	89.61	467.07	947.58	2,027.05	1,995.04	32.01	63.329	
7,400.00	7,273.82	7,385.24	7,273.82	19.38	17.28	89.61	467.07	947.58	2,027.05	1,994.92	32.13	63.099	
7,500.00	7,373.82	7,485.24	7,373.82	19.44	17.34	89.61	467.07	947.58	2,027.05	1,994.80	32.24	62.870	
7,600.00	7,473.82	7,585.24	7,473.82	19.49	17.40	89.61	467.07	947.58	2,027.05	1,994.69	32.36	62.642	
7,700.00	7,573.82	7,685.24	7,573.82	19.55	17.46	89.61	467.07	947.58	2,027.05	1,994.57	32.48	62.414	
7,800.00	7,673.82	7,785.24	7,673.82	19.60	17.52	89.61	467.07	947.58	2,027.05	1,994.45	32.60	62.188	
7,900.00	7,773.82	7,885.24	7,773.82	19.66	17.58	89.61	467.07	947.58	2,027.05	1,994.33	32.71	61.963	
8,000.00	7,873.82	7,985.24	7,873.82	19.72	17.64	89.61	467.07	947.58	2,027.05	1,994.21	32.83	61.738	
8,100.00	7,973.82	8,085.24	7,973.82	19.77	17.70	89.61	467.07	947.58	2,027.05	1,994.09	32.95	61.515	
8,200.00	8,073.82	8,185.24	8,073.82	19.83	17.76	89.61	467.07	947.58	2,027.05	1,993.97	33.07	61.292	
8,300.00	8,173.82	8,285.24	8,173.82	19.89	17.82	89.61	467.07	947.58	2,027.05	1,993.85	33.19	61.070	
8,400.00	8,273.82	8,385.24	8,273.82	19.94	17.88	89.61	467.07	947.58	2,027.05	1,993.73	33.31	60.849	
8,500.00	8,373.82	8,485.24	8,373.82	20.00	17.95	89.61	467.07	947.58	2,027.05	1,993.61	33.43	60.630	
8,600.00	8,473.82	8,585.24	8,473.82	20.06	18.01	89.61	467.07	947.58	2,027.05	1,993.49	33.55	60.411	
8,700.00	8,573.82	8,685.24	8,573.82	20.11	18.07	89.61	467.07	947.58	2,027.05	1,993.37	33.68	60.193	
8,800.00	8,673.82	8,785.24	8,673.82	20.17	18.13	89.61	467.07	947.58	2,027.05	1,993.25	33.80	59.976	
8,900.00	8,773.82	8,885.24	8,773.82	20.23	18.19	89.61	467.07	947.58	2,027.05	1,993.13	33.92	59.759	
9,000.00	8,873.82	8,985.24	8,873.82	20.29	18.25	89.61	467.07	947.58	2,027.05	1,993.00	34.04	59.544	
9,100.00	8,973.82	9,085.24	8,973.82	20.35	18.32	89.61	467.07	947.58	2,027.05	1,992.88	34.17	59.330	
9,200.00	9,073.82	9,185.24	9,073.82	20.40	18.38	89.61	467.07	947.58	2,027.05	1,992.76	34.29	59.117	
9,300.00	9,173.82	9,285.24	9,173.82	20.46	18.44	89.61	467.07	947.58	2,027.05	1,992.63	34.41	58.905	
9,400.00	9,273.82	9,385.24	9,273.82	20.52	18.50	89.61	467.07	947.58	2,027.05	1,992.51	34.54	58.693	
9,500.00	9,373.82	9,485.24	9,373.82	20.58	18.57	89.61	467.07	947.58	2,027.05	1,992.39	34.66	58.483	
9,600.00	9,473.82	9,585.24	9,473.82	20.64	18.63	89.61	467.07	947.58	2,027.05	1,992.26	34.78	58.274	
9,700.00	9,573.82	9,685.24	9,573.82	20.70	18.69	89.61	467.07	947.58	2,027.05	1,992.14	34.91	58.065	

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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: Reference		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
9,800.00	9,673.82	9,785.24	9,673.82	20.76	18.75	89.61	467.07	947.58	2,027.05	1,992.01	35.03	57.858	
9,900.00	9,773.82	9,885.24	9,773.82	20.82	18.82	89.61	467.07	947.58	2,027.05	1,991.89	35.16	57.651	
10,000.00	9,873.82	9,985.24	9,873.82	20.87	18.88	89.61	467.07	947.58	2,027.05	1,991.76	35.29	57.446	
10,100.00	9,973.82	10,085.24	9,973.82	20.93	18.94	89.61	467.07	947.58	2,027.05	1,991.63	35.41	57.241	
10,200.00	10,073.82	10,185.24	10,073.82	20.99	19.01	89.61	467.07	947.58	2,027.05	1,991.51	35.54	57.038	
10,300.00	10,173.82	10,285.24	10,173.82	21.05	19.07	89.61	467.07	947.58	2,027.05	1,991.38	35.67	56.835	
10,400.00	10,273.82	10,385.24	10,273.82	21.11	19.14	89.61	467.07	947.58	2,027.05	1,991.25	35.79	56.634	
10,500.00	10,373.82	10,485.24	10,373.82	21.17	19.20	89.61	467.07	947.58	2,027.05	1,991.13	35.92	56.433	
10,600.00	10,473.82	10,585.24	10,473.82	21.23	19.26	89.61	467.07	947.58	2,027.05	1,991.00	36.05	56.233	
10,700.00	10,573.82	10,685.24	10,573.82	21.30	19.33	89.61	467.07	947.58	2,027.05	1,990.87	36.17	56.034	
10,800.00	10,673.82	10,785.24	10,673.82	21.36	19.39	89.61	467.07	947.58	2,027.05	1,990.74	36.30	55.837	
10,900.00	10,773.82	10,885.24	10,773.82	21.42	19.46	89.61	467.07	947.58	2,027.05	1,990.62	36.43	55.640	
11,000.00	10,873.82	10,985.24	10,873.82	21.48	19.52	89.61	467.07	947.58	2,027.05	1,990.49	36.56	55.444	
11,100.00	10,973.82	11,085.24	10,973.82	21.54	19.59	89.61	467.07	947.58	2,027.05	1,990.36	36.69	55.249	
11,200.00	11,073.82	11,185.24	11,073.82	21.60	19.65	89.61	467.07	947.58	2,027.05	1,990.23	36.82	55.055	
11,300.00	11,173.82	11,285.24	11,173.82	21.66	19.72	89.61	467.07	947.58	2,027.05	1,990.10	36.95	54.862	
11,400.00	11,273.82	11,385.24	11,273.82	21.72	19.78	89.61	467.07	947.58	2,027.05	1,989.97	37.08	54.670	
11,500.00	11,373.82	11,485.24	11,373.82	21.78	19.85	89.61	467.07	947.58	2,027.05	1,989.84	37.21	54.479	
11,600.00	11,473.82	11,585.24	11,473.82	21.85	19.91	89.61	467.07	947.58	2,027.05	1,989.71	37.34	54.289	
11,700.00	11,573.82	11,685.24	11,573.82	21.91	19.98	89.61	467.07	947.58	2,027.05	1,989.58	37.47	54.100	
11,800.00	11,673.82	11,785.24	11,673.82	21.97	20.05	89.61	467.07	947.58	2,027.05	1,989.45	37.60	53.912	
11,900.00	11,773.82	11,885.24	11,773.82	22.03	20.11	89.61	467.07	947.58	2,027.05	1,989.32	37.73	53.725	
12,000.00	11,873.82	11,985.24	11,873.82	22.09	20.18	89.61	467.07	947.58	2,027.05	1,989.19	37.86	53.538	
12,010.36	11,884.18	11,995.60	11,884.18	22.10	20.18	89.61	467.07	947.58	2,027.05	1,989.17	37.87	53.522	
12,064.18	11,938.00	12,049.42	11,937.99	22.12	20.21	89.61	467.07	947.58	2,027.05	1,989.12	37.92	53.452	
12,100.00	11,973.80	12,085.00	11,973.56	22.13	20.24	-89.90	465.90	947.59	2,027.05	1,989.13	37.91	53.465	
12,150.00	12,023.50	12,134.68	12,022.93	22.15	20.27	-89.89	460.59	947.64	2,027.05	1,989.18	37.87	53.532	
12,200.00	12,072.55	12,184.35	12,071.66	22.16	20.30	-89.89	451.02	947.72	2,027.05	1,989.26	37.79	53.638	
12,250.00	12,120.58	12,234.02	12,119.37	22.16	20.32	-89.89	437.27	947.84	2,027.05	1,989.36	37.69	53.781	
12,300.00	12,167.22	12,283.69	12,165.72	22.15	20.34	-89.89	419.44	947.99	2,027.05	1,989.48	37.57	53.954	
12,350.00	12,212.11	12,333.37	12,210.35	22.13	20.36	-89.90	397.66	948.18	2,027.05	1,989.61	37.43	54.152	
12,400.00	12,254.92	12,383.05	12,252.93	22.11	20.38	-89.90	372.10	948.40	2,027.05	1,989.76	37.29	54.366	
12,450.00	12,295.31	12,432.74	12,293.14	22.09	20.40	-89.90	342.94	948.65	2,027.05	1,989.91	37.14	54.586	
12,500.00	12,332.99	12,482.45	12,330.69	22.08	20.42	-89.91	310.40	948.93	2,027.05	1,990.06	36.99	54.802	
12,550.00	12,367.66	12,532.16	12,365.29	22.06	20.46	-89.91	274.71	949.24	2,027.05	1,990.19	36.86	55.000	
12,600.00	12,399.06	12,581.89	12,396.67	22.06	20.50	-89.92	236.16	949.57	2,027.05	1,990.30	36.74	55.168	
12,650.00	12,426.95	12,631.64	12,424.60	22.07	20.56	-89.92	195.01	949.92	2,027.05	1,990.39	36.66	55.295	
12,700.00	12,451.12	12,681.41	12,448.86	22.09	20.63	-89.93	151.57	950.30	2,027.05	1,990.44	36.61	55.369	
12,750.00	12,471.39	12,731.20	12,469.27	22.12	20.72	-89.94	106.18	950.69	2,027.05	1,990.44	36.60	55.380	
12,800.00	12,487.60	12,781.02	12,485.68	22.18	20.83	-89.94	59.16	951.09	2,027.05	1,990.40	36.64	55.320	
12,850.00	12,499.62	12,830.85	12,497.94	22.25	20.97	-89.95	10.87	951.51	2,027.05	1,990.32	36.73	55.185	
12,850.93	12,499.80	12,831.78	12,498.13	22.26	20.97	-89.95	9.96	951.52	2,027.05	1,990.31	36.73	55.182	
12,900.00	12,507.37	12,880.72	12,505.96	22.35	21.12	-89.96	-38.32	951.93	2,027.05	1,990.17	36.87	54.974	
12,950.00	12,510.78	12,930.61	12,509.68	22.46	21.29	-89.97	-88.05	952.36	2,027.05	1,989.98	37.06	54.691	
12,959.18	12,510.94	12,939.77	12,509.89	22.49	21.32	-89.97	-97.21	952.44	2,027.05	1,989.94	37.10	54.634	
13,000.00	12,511.29	12,980.58	12,510.26	22.60	21.48	-89.97	-138.02	952.79	2,027.05	1,989.74	37.31	54.335	
13,100.00	12,512.17	13,080.58	12,511.13	22.92	21.91	-89.97	-238.02	953.65	2,027.05	1,989.09	37.96	53.399	
13,200.00	12,513.04	13,180.58	12,512.01	23.29	22.42	-89.97	-338.01	954.51	2,027.05	1,988.25	38.79	52.251	
13,300.00	12,513.91	13,280.58	12,512.88	23.73	22.98	-89.97	-438.00	955.37	2,027.05	1,987.25	39.80	50.931	
13,400.00	12,514.78	13,380.58	12,513.76	24.22	23.60	-89.97	-537.99	956.24	2,027.05	1,986.09	40.96	49.485	
13,500.00	12,515.66	13,480.58	12,514.63	24.77	24.28	-89.97	-637.99	957.10	2,027.05	1,984.78	42.27	47.953	
13,600.00	12,516.53	13,580.58	12,515.50	25.36	25.00	-89.97	-737.98	957.96	2,027.05	1,983.34	43.71	46.372	

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)					
0.00	0.00	0.00	0.00	0.50	0.50	180.00	-25.00	0.00	25.00	25.00					
100.00	100.00	100.00	100.00	0.98	0.98	180.00	-25.00	0.00	25.00	23.04	1.96	12.741			
200.00	200.00	200.00	200.00	1.56	1.56	180.00	-25.00	0.00	25.00	21.88	3.12	8.007			
300.00	300.00	300.00	300.00	1.98	1.98	180.00	-25.00	0.00	25.00	21.04	3.96	6.309	CC		
400.00	399.99	399.99	399.99	2.41	2.33	-115.48	-25.00	0.00	25.54	20.86	4.67	5.465	ES		
500.00	499.91	499.91	499.91	2.78	2.63	-122.87	-25.00	0.00	27.45	22.15	5.31	5.171			
600.00	599.69	599.69	599.69	3.12	2.91	-132.86	-25.00	0.00	31.49	25.57	5.92	5.324			
633.33	632.91	632.91	632.91	3.15	2.99	-136.30	-25.00	0.00	33.43	27.39	6.04	5.533			
700.00	699.32	699.32	699.32	3.26	3.16	-142.38	-25.00	0.00	37.85	31.51	6.34	5.970			
800.00	798.94	800.10	800.09	3.50	3.46	-149.11	-24.00	-0.84	43.79	36.88	6.91	6.338			
900.00	898.56	901.16	901.06	3.74	3.74	-154.27	-20.94	-3.40	47.53	40.09	7.44	6.389			
1,000.00	998.18	1,002.35	1,002.03	3.98	4.00	-158.96	-15.84	-7.69	48.96	41.02	7.94	6.167			
1,100.00	1,097.80	1,102.66	1,101.97	4.21	4.12	-163.75	-9.24	-13.23	48.72	40.43	8.29	5.878			
1,155.89	1,153.48	1,158.50	1,157.60	4.33	4.23	-166.44	-5.51	-16.36	48.67	40.14	8.53	5.704			
1,200.00	1,197.42	1,202.57	1,201.51	4.43	4.32	-168.57	-2.57	-18.82	48.70	39.98	8.72	5.584			
1,252.78	1,250.00	1,255.31	1,254.04	4.50	4.43	-171.10	0.95	-21.78	48.83	39.93	8.90	5.489			
1,300.00	1,297.01	1,302.49	1,301.04	4.56	4.53	-173.40	4.10	-24.42	49.32	40.27	9.05	5.448			
1,400.00	1,396.38	1,402.34	1,400.52	4.82	4.73	-178.15	10.77	-30.02	52.52	43.01	9.51	5.524			
1,500.00	1,495.41	1,502.07	1,499.87	5.08	4.93	177.76	17.43	-35.60	58.66	48.71	9.95	5.894			
1,600.00	1,594.05	1,601.61	1,599.02	5.34	5.12	174.67	24.08	-41.18	67.64	57.25	10.39	6.509			
1,700.00	1,692.22	1,700.88	1,697.92	5.60	5.32	172.54	30.70	-46.74	79.35	68.52	10.82	7.330			
1,800.00	1,789.86	1,799.82	1,796.49	5.85	5.51	171.20	37.31	-52.28	93.70	82.44	11.26	8.324			
1,819.64	1,808.97	1,819.21	1,815.80	5.87	5.55	171.01	38.60	-53.37	96.82	85.50	11.32	8.556			
1,900.00	1,887.11	1,898.51	1,894.79	6.02	5.70	170.39	43.90	-57.81	109.81	98.20	11.61	9.458			
2,000.00	1,984.35	1,997.18	1,993.09	6.24	5.89	169.80	50.49	-63.34	125.99	113.98	12.01	10.493			
2,100.00	2,081.58	2,095.86	2,091.39	6.46	6.08	169.34	57.07	-68.87	142.17	129.77	12.40	11.462			
2,200.00	2,178.82	2,194.53	2,189.69	6.68	6.27	168.97	63.66	-74.40	158.37	145.56	12.81	12.364			
2,300.00	2,276.06	2,297.37	2,292.04	6.90	6.48	168.61	70.92	-81.20	173.51	160.29	13.22	13.126			
2,400.00	2,373.29	2,401.40	2,395.30	7.15	6.70	168.15	79.25	-90.69	186.03	172.38	13.64	13.634			
2,500.00	2,470.53	2,506.06	2,498.82	7.41	6.93	167.61	88.63	-102.90	195.88	181.81	14.07	13.920			
2,600.00	2,567.76	2,611.18	2,602.35	7.70	7.16	166.97	99.05	-117.83	203.05	188.56	14.50	14.005			
2,700.00	2,665.00	2,715.58	2,704.65	7.99	7.38	166.22	110.37	-135.25	207.60	192.68	14.92	13.918			
2,800.00	2,762.23	2,815.48	2,802.37	8.28	7.57	165.49	121.52	-152.77	211.28	195.94	15.34	13.774			
2,900.00	2,859.47	2,915.37	2,900.08	8.58	7.77	164.78	132.68	-170.29	214.99	199.23	15.76	13.638			
3,000.00	2,956.71	3,015.27	2,997.79	8.88	7.97	164.10	143.83	-187.82	218.74	202.54	16.19	13.508			
3,100.00	3,053.94	3,115.16	3,095.51	9.18	8.18	163.44	154.98	-205.34	222.51	205.88	16.63	13.384			
3,200.00	3,151.18	3,215.06	3,193.22	9.48	8.39	162.80	166.13	-222.86	226.31	209.25	17.06	13.266			
3,300.00	3,248.41	3,314.96	3,290.93	9.79	8.60	162.18	177.28	-240.39	230.14	212.64	17.50	13.153			
3,400.00	3,345.65	3,414.85	3,388.65	10.09	8.81	161.58	188.43	-257.91	234.00	216.06	17.94	13.045			
3,500.00	3,442.88	3,514.75	3,486.36	10.40	9.03	161.01	199.58	-275.43	237.88	219.50	18.38	12.941			
3,600.00	3,540.12	3,614.65	3,584.07	10.70	9.25	160.45	210.73	-292.96	241.78	222.95	18.83	12.842			
3,700.00	3,637.36	3,714.54	3,681.79	11.01	9.48	159.90	221.88	-310.48	245.71	226.43	19.28	12.747			
3,800.00	3,734.59	3,814.44	3,779.50	11.32	9.72	159.38	233.03	-328.01	249.66	229.93	19.73	12.655			
3,900.00	3,831.83	3,914.34	3,877.21	11.63	9.95	158.87	244.18	-345.53	253.62	233.44	20.18	12.567			
4,000.00	3,929.06	4,014.23	3,974.93	11.94	10.20	158.38	255.33	-363.05	257.61	236.97	20.64	12.482			
4,100.00	4,026.30	4,114.13	4,072.64	12.25	10.44	157.90	266.48	-380.58	261.62	240.52	21.10	12.400			
4,200.00	4,123.54	4,214.02	4,170.35	12.56	10.69	157.44	277.63	-398.10	265.64	244.08	21.56	12.321			
4,300.00	4,220.77	4,313.92	4,268.07	12.87	10.94	156.99	288.78	-415.62	269.68	247.66	22.02	12.245			
4,400.00	4,318.01	4,413.82	4,365.78	13.18	11.20	156.55	299.93	-433.15	273.73	251.24	22.49	12.172			
4,500.00	4,415.24	4,513.71	4,463.49	13.50	11.45	156.13	311.08	-450.67	277.81	254.85	22.96	12.101			
4,600.00	4,512.48	4,613.61	4,561.21	13.81	11.71	155.72	322.23	-468.19	281.89	258.46	23.43	12.032			
4,700.00	4,609.71	4,713.51	4,658.92	14.12	11.97	155.32	333.38	-485.72	285.99	262.09	23.90	11.965			

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)		Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)						
4,800.00	4,706.95	4,813.40	4,756.63	14.43	12.23	154.93	344.53	-503.24	290.11	265.73	24.38	11.901		
4,900.00	4,804.19	4,913.30	4,854.35	14.75	12.50	154.55	355.68	-520.76	294.23	269.38	24.85	11.839		
5,000.00	4,901.42	5,013.19	4,952.06	15.06	12.76	154.19	366.83	-538.29	298.37	273.04	25.33	11.779		
5,100.00	4,998.66	5,113.09	5,049.77	15.38	13.02	153.83	377.98	-555.81	302.52	276.71	25.81	11.720		
5,200.00	5,095.89	5,212.99	5,147.49	15.69	13.29	153.48	389.13	-573.33	306.68	280.39	26.29	11.664		
5,300.00	5,193.13	5,312.88	5,245.20	16.00	13.56	153.15	400.28	-590.86	310.86	284.08	26.78	11.609		
5,400.00	5,290.37	5,410.64	5,340.82	16.32	13.81	152.83	411.19	-608.00	315.05	287.79	27.26	11.559		
5,500.00	5,387.60	5,506.27	5,434.60	16.63	14.05	152.65	421.23	-623.79	320.25	292.53	27.72	11.553		
5,600.00	5,484.84	5,600.00	5,526.94	16.95	14.27	152.72	429.85	-637.34	327.43	299.26	28.16	11.626		
5,697.99	5,580.12	5,690.88	5,616.82	17.26	14.47	153.02	437.04	-648.64	336.35	307.79	28.56	11.776		
5,700.00	5,582.07	5,692.75	5,618.67	17.26	14.47	153.03	437.18	-648.85	336.55	307.98	28.57	11.780		
5,800.00	5,679.61	5,785.53	5,710.75	17.56	14.65	153.51	443.31	-658.49	346.43	317.48	28.96	11.963		
5,900.00	5,777.70	5,878.12	5,802.89	17.84	14.80	154.01	448.23	-666.23	355.96	326.64	29.32	12.142		
6,000.00	5,876.26	5,970.54	5,895.04	18.08	14.94	154.51	451.95	-672.06	365.13	335.49	29.64	12.318		
6,100.00	5,975.23	6,062.77	5,987.15	18.30	15.05	155.03	454.46	-676.01	373.94	344.00	29.93	12.493		
6,200.00	6,074.54	6,154.82	6,079.17	18.48	15.14	155.56	455.78	-678.09	382.39	352.20	30.19	12.667		
6,300.00	6,174.12	6,249.78	6,174.12	18.64	15.21	156.10	456.00	-678.43	390.33	359.93	30.40	12.838		
6,400.00	6,273.91	6,349.56	6,273.91	18.77	15.28	156.51	456.00	-678.43	396.28	365.66	30.62	12.940		
6,500.00	6,373.83	6,449.49	6,373.83	18.87	15.35	156.75	456.00	-678.43	399.84	369.00	30.84	12.966		
6,598.18	6,472.00	6,547.66	6,472.00	18.95	15.42	89.61	456.00	-678.43	401.00	370.00	30.99	12.938		
6,600.00	6,473.82	6,549.47	6,473.82	18.95	15.42	89.61	456.00	-678.43	401.00	370.00	31.00	12.937		
6,700.00	6,573.82	6,649.47	6,573.82	19.00	15.49	89.61	456.00	-678.43	401.00	369.88	31.12	12.886		
6,800.00	6,673.82	6,749.47	6,673.82	19.05	15.56	89.61	456.00	-678.43	401.00	369.76	31.24	12.835		
6,900.00	6,773.82	6,849.47	6,773.82	19.11	15.63	89.61	456.00	-678.43	401.00	369.63	31.36	12.785		
7,000.00	6,873.82	6,949.47	6,873.82	19.16	15.70	89.61	456.00	-678.43	401.00	369.51	31.49	12.735		
7,100.00	6,973.82	7,049.47	6,973.82	19.22	15.77	89.61	456.00	-678.43	401.00	369.39	31.61	12.685		
7,200.00	7,073.82	7,149.47	7,073.82	19.27	15.84	89.61	456.00	-678.43	401.00	369.26	31.74	12.635		
7,300.00	7,173.82	7,249.47	7,173.82	19.33	15.91	89.61	456.00	-678.43	401.00	369.14	31.86	12.586		
7,400.00	7,273.82	7,349.47	7,273.82	19.38	15.98	89.61	456.00	-678.43	401.00	369.01	31.99	12.536		
7,500.00	7,373.82	7,449.47	7,373.82	19.44	16.05	89.61	456.00	-678.43	401.00	368.89	32.11	12.488		
7,600.00	7,473.82	7,549.47	7,473.82	19.49	16.12	89.61	456.00	-678.43	401.00	368.76	32.24	12.439		
7,700.00	7,573.82	7,649.48	7,573.82	19.55	16.19	89.61	456.00	-678.43	401.00	368.64	32.36	12.390		
7,800.00	7,673.82	7,749.48	7,673.82	19.60	16.26	89.61	456.00	-678.43	401.00	368.51	32.49	12.342		
7,900.00	7,773.82	7,849.48	7,773.82	19.66	16.33	89.61	456.00	-678.43	401.00	368.38	32.62	12.294		
8,000.00	7,873.82	7,949.48	7,873.82	19.72	16.40	89.61	456.00	-678.43	401.00	368.26	32.74	12.247		
8,100.00	7,973.82	8,049.48	7,973.82	19.77	16.48	89.61	456.00	-678.43	401.00	368.13	32.87	12.199		
8,200.00	8,073.82	8,149.48	8,073.82	19.83	16.55	89.61	456.00	-678.43	401.00	368.00	33.00	12.152		
8,300.00	8,173.82	8,249.48	8,173.82	19.89	16.62	89.61	456.00	-678.43	401.00	367.87	33.13	12.105		
8,400.00	8,273.82	8,349.48	8,273.82	19.94	16.69	89.61	456.00	-678.43	401.00	367.74	33.25	12.058		
8,500.00	8,373.82	8,449.48	8,373.82	20.00	16.76	89.61	456.00	-678.43	401.00	367.62	33.38	12.012		
8,600.00	8,473.82	8,549.48	8,473.82	20.06	16.83	89.61	456.00	-678.43	401.00	367.49	33.51	11.966		
8,700.00	8,573.82	8,649.48	8,573.82	20.11	16.91	89.61	456.00	-678.43	401.00	367.36	33.64	11.920		
8,800.00	8,673.82	8,749.48	8,673.82	20.17	16.98	89.61	456.00	-678.43	401.00	367.23	33.77	11.874		
8,900.00	8,773.82	8,849.48	8,773.82	20.23	17.05	89.61	456.00	-678.43	401.00	367.10	33.90	11.829		
9,000.00	8,873.82	8,949.48	8,873.82	20.29	17.12	89.61	456.00	-678.43	401.00	366.97	34.03	11.784		
9,100.00	8,973.82	9,049.48	8,973.82	20.35	17.20	89.61	456.00	-678.43	401.00	366.84	34.16	11.739		
9,200.00	9,073.82	9,149.48	9,073.82	20.40	17.27	89.61	456.00	-678.43	401.00	366.71	34.29	11.694		
9,300.00	9,173.82	9,249.48	9,173.82	20.46	17.34	89.61	456.00	-678.43	401.00	366.58	34.42	11.650		
9,400.00	9,273.82	9,349.48	9,273.82	20.52	17.41	89.61	456.00	-678.43	401.00	366.45	34.55	11.605		
9,500.00	9,373.82	9,449.48	9,373.82	20.58	17.49	89.61	456.00	-678.43	401.00	366.32	34.68	11.561		
9,600.00	9,473.82	9,549.48	9,473.82	20.64	17.56	89.61	456.00	-678.43	401.00	366.18	34.82	11.518		
9,700.00	9,573.82	9,649.48	9,573.82	20.70	17.63	89.61	456.00	-678.43	401.00	366.05	34.95	11.474		

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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: Reference		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
9,800.00	9,673.82	9,749.48	9,673.82	20.76	17.70	89.61	456.00	-678.43	401.00	365.92	35.08	11.431	
9,900.00	9,773.82	9,849.48	9,773.82	20.82	17.78	89.61	456.00	-678.43	401.00	365.79	35.21	11.388	
10,000.00	9,873.82	9,949.48	9,873.82	20.87	17.85	89.61	456.00	-678.43	401.00	365.65	35.34	11.345	
10,100.00	9,973.82	10,049.48	9,973.82	20.93	17.92	89.61	456.00	-678.43	401.00	365.52	35.48	11.303	
10,200.00	10,073.82	10,149.48	10,073.82	20.99	18.00	89.61	456.00	-678.43	401.00	365.39	35.61	11.261	
10,300.00	10,173.82	10,249.48	10,173.82	21.05	18.07	89.61	456.00	-678.43	401.00	365.26	35.74	11.219	
10,400.00	10,273.82	10,349.48	10,273.82	21.11	18.14	89.61	456.00	-678.43	401.00	365.12	35.88	11.177	
10,500.00	10,373.82	10,449.48	10,373.82	21.17	18.22	89.61	456.00	-678.43	401.00	364.99	36.01	11.135	
10,600.00	10,473.82	10,549.48	10,473.82	21.23	18.29	89.61	456.00	-678.43	401.00	364.85	36.15	11.094	
10,700.00	10,573.82	10,649.48	10,573.82	21.30	18.36	89.61	456.00	-678.43	401.00	364.72	36.28	11.053	
10,800.00	10,673.82	10,749.48	10,673.82	21.36	18.44	89.61	456.00	-678.43	401.00	364.59	36.41	11.012	
10,900.00	10,773.82	10,849.48	10,773.82	21.42	18.51	89.61	456.00	-678.43	401.00	364.45	36.55	10.972	
11,000.00	10,873.82	10,949.48	10,873.82	21.48	18.58	89.61	456.00	-678.43	401.00	364.32	36.68	10.931	
11,100.00	10,973.82	11,049.48	10,973.82	21.54	18.66	89.61	456.00	-678.43	401.00	364.18	36.82	10.891	
11,200.00	11,073.82	11,149.48	11,073.82	21.60	18.73	89.61	456.00	-678.43	401.00	364.05	36.95	10.851	
11,300.00	11,173.82	11,249.48	11,173.82	21.66	18.81	89.61	456.00	-678.43	401.00	363.91	37.09	10.812	
11,400.00	11,273.82	11,349.48	11,273.82	21.72	18.88	89.61	456.00	-678.43	401.00	363.77	37.23	10.772	
11,500.00	11,373.82	11,449.48	11,373.82	21.78	18.95	89.61	456.00	-678.43	401.00	363.64	37.36	10.733	
11,600.00	11,473.82	11,549.48	11,473.82	21.85	19.03	89.61	456.00	-678.43	401.00	363.50	37.50	10.694	
11,700.00	11,573.82	11,649.48	11,573.82	21.91	19.10	89.61	456.00	-678.43	401.00	363.36	37.63	10.655	
11,800.00	11,673.82	11,749.48	11,673.82	21.97	19.18	89.61	456.00	-678.43	401.00	363.23	37.77	10.617	
11,900.00	11,773.82	11,849.48	11,773.82	22.03	19.25	89.61	456.00	-678.43	401.00	363.09	37.91	10.578	
12,000.00	11,873.82	11,949.48	11,873.82	22.09	19.32	89.61	456.00	-678.43	401.00	362.95	38.05	10.540	
12,064.18	11,938.00	12,013.66	11,938.00	22.12	19.37	89.61	456.00	-678.43	401.00	362.88	38.12	10.519	
12,093.16	11,966.96	12,042.62	11,966.96	22.13	19.39	-90.00	456.00	-678.43	401.00	362.85	38.15	10.512	
12,100.00	11,973.80	12,049.45	11,973.80	22.13	19.40	-90.06	456.00	-678.43	401.00	362.85	38.15	10.510	
12,150.00	12,023.50	12,099.15	12,023.50	22.15	19.44	-90.80	456.00	-678.43	401.04	362.85	38.19	10.502	
12,200.00	12,072.55	12,148.21	12,072.55	22.16	19.47	-92.12	456.00	-678.43	401.29	363.06	38.23	10.497	
12,250.00	12,120.58	12,196.23	12,120.58	22.16	19.51	-93.94	456.00	-678.43	402.06	363.78	38.28	10.503	
12,300.00	12,167.22	12,242.87	12,167.22	22.15	19.54	-96.15	456.00	-678.43	403.76	365.42	38.34	10.531	
12,350.00	12,212.11	12,287.77	12,212.11	22.13	19.58	-98.60	456.00	-678.43	406.91	368.49	38.42	10.592	
12,400.00	12,254.92	12,330.58	12,254.92	22.11	19.60	-101.15	456.00	-678.43	412.07	373.57	38.50	10.703	
12,450.00	12,295.31	12,376.37	12,300.71	22.09	19.63	-104.05	455.70	-678.46	419.75	381.16	38.59	10.877	
12,500.00	12,332.99	12,435.14	12,359.25	22.08	19.66	-107.75	450.79	-678.93	429.13	390.44	38.69	11.092	
12,550.00	12,367.66	12,499.49	12,422.38	22.06	19.68	-111.51	438.62	-680.10	439.60	400.73	38.87	11.310	
12,600.00	12,399.06	12,570.64	12,490.11	22.06	19.70	-115.34	417.05	-682.18	450.71	411.49	39.22	11.491	
12,650.00	12,426.95	12,649.97	12,561.80	22.07	19.71	-119.20	383.37	-685.42	461.87	421.99	39.88	11.581	
12,700.00	12,451.12	12,738.88	12,635.71	22.09	19.73	-123.03	334.35	-690.14	472.36	431.40	40.96	11.531	
12,750.00	12,471.39	12,838.41	12,708.30	22.12	19.78	-126.70	266.74	-696.65	481.29	438.76	42.53	11.316	
12,800.00	12,487.60	12,948.65	12,773.63	22.18	19.86	-129.99	178.57	-705.14	487.69	443.18	44.50	10.959	
12,850.00	12,499.62	13,067.97	12,823.84	22.25	20.02	-132.68	71.06	-715.50	490.59	443.96	46.63	10.521	
12,900.00	12,507.37	13,192.63	12,851.27	22.35	20.28	-134.51	-49.73	-727.13	489.23	440.71	48.53	10.081	
12,950.00	12,510.78	13,275.80	12,855.14	22.46	20.50	-135.35	-132.39	-734.99	484.40	435.04	49.37	9.812	
12,959.18	12,510.94	13,283.97	12,855.21	22.49	20.52	-135.45	-140.53	-735.70	483.74	434.33	49.41	9.790	
13,000.00	12,511.29	13,320.34	12,855.53	22.60	20.63	-135.72	-176.78	-738.56	481.24	431.63	49.62	9.699	
13,100.00	12,512.17	13,409.73	12,856.31	22.92	20.92	-136.23	-266.02	-743.63	476.70	426.62	50.09	9.518	
13,200.00	12,513.04	13,500.00	12,857.10	23.29	21.25	-136.49	-356.26	-745.92	474.35	423.85	50.50	9.394	
13,258.90	12,513.55	13,552.29	12,857.56	23.54	21.45	-136.54	-408.55	-745.95	473.98	423.29	50.68	9.351	
13,300.00	12,513.91	13,593.38	12,857.92	23.73	21.61	-136.54	-449.62	-745.59	473.98	423.07	50.91	9.311	
13,400.00	12,514.78	13,693.38	12,858.80	24.22	22.05	-136.54	-549.62	-744.73	473.98	422.47	51.51	9.202	
13,500.00	12,515.66	13,793.38	12,859.68	24.77	22.55	-136.54	-649.61	-743.87	473.98	421.80	52.18	9.083	
13,600.00	12,516.53	13,893.38	12,860.56	25.36	23.11	-136.54	-749.60	-743.01	473.99	421.07	52.92	8.956	

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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 Axis 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
13,700.00	12,517.40	13,993.38	12,861.43	26.00	23.73	-136.54	-849.59	-742.15	473.99	420.26	53.73	8.822	
13,800.00	12,518.28	14,093.38	12,862.31	26.70	24.40	-136.54	-949.59	-741.29	473.99	419.40	54.59	8.682	
13,900.00	12,519.15	14,193.38	12,863.19	27.43	25.13	-136.54	-1,049.58	-740.43	474.00	418.48	55.52	8.538	
14,000.00	12,520.02	14,293.38	12,864.07	28.21	25.91	-136.54	-1,149.57	-739.57	474.00	417.51	56.49	8.390	
14,100.00	12,520.90	14,393.38	12,864.95	29.03	26.74	-136.54	-1,249.56	-738.71	474.00	416.48	57.53	8.240	
14,200.00	12,521.77	14,493.38	12,865.82	29.88	27.61	-136.54	-1,349.56	-737.85	474.01	415.40	58.61	8.088	
14,300.00	12,522.64	14,593.38	12,866.70	30.77	28.53	-136.54	-1,449.55	-736.99	474.01	414.28	59.73	7.935	
14,400.00	12,523.52	14,693.38	12,867.58	31.70	29.47	-136.54	-1,549.54	-736.13	474.01	413.11	60.91	7.783	
14,500.00	12,524.39	14,793.38	12,868.46	32.65	30.46	-136.54	-1,649.53	-735.27	474.02	411.90	62.12	7.630	
14,600.00	12,525.26	14,893.38	12,869.33	33.63	31.47	-136.54	-1,749.53	-734.41	474.02	410.65	63.38	7.479	
14,700.00	12,526.13	14,993.38	12,870.21	34.64	32.51	-136.54	-1,849.52	-733.55	474.02	409.36	64.67	7.330	
14,800.00	12,527.01	15,093.38	12,871.09	35.67	33.57	-136.54	-1,949.51	-732.69	474.03	408.03	65.99	7.183	
14,900.00	12,527.88	15,193.38	12,871.97	36.72	34.66	-136.54	-2,049.50	-731.83	474.03	406.68	67.35	7.038	
15,000.00	12,528.75	15,293.38	12,872.85	37.79	35.77	-136.54	-2,149.50	-730.97	474.03	405.29	68.74	6.896	
15,100.00	12,529.63	15,393.38	12,873.72	38.88	36.90	-136.54	-2,249.49	-730.11	474.04	403.87	70.16	6.756	
15,200.00	12,530.50	15,493.38	12,874.60	39.99	38.04	-136.55	-2,349.48	-729.25	474.04	402.43	71.61	6.620	
15,300.00	12,531.37	15,593.38	12,875.48	41.11	39.20	-136.55	-2,449.47	-728.39	474.04	400.96	73.08	6.486	
15,400.00	12,532.25	15,693.38	12,876.36	42.25	40.37	-136.55	-2,549.47	-727.53	474.05	399.47	74.58	6.356	
15,500.00	12,533.12	15,793.38	12,877.24	43.40	41.55	-136.55	-2,649.46	-726.67	474.05	397.95	76.10	6.229	
15,600.00	12,533.99	15,893.38	12,878.11	44.56	42.75	-136.55	-2,749.45	-725.81	474.05	396.41	77.64	6.106	
15,700.00	12,534.86	15,993.38	12,878.99	45.74	43.95	-136.55	-2,849.44	-724.95	474.06	394.85	79.20	5.985	
15,800.00	12,535.74	16,093.38	12,879.87	46.92	45.17	-136.55	-2,949.44	-724.09	474.06	393.28	80.78	5.868	
15,900.00	12,536.61	16,193.38	12,880.75	48.12	46.40	-136.55	-3,049.43	-723.23	474.06	391.68	82.38	5.754	
16,000.00	12,537.48	16,293.38	12,881.62	49.32	47.63	-136.55	-3,149.42	-722.37	474.07	390.07	84.00	5.644	
16,100.00	12,538.36	16,393.38	12,882.50	50.54	48.87	-136.55	-3,249.41	-721.50	474.07	388.44	85.63	5.536	
16,200.00	12,539.23	16,493.38	12,883.38	51.76	50.12	-136.55	-3,349.41	-720.64	474.07	386.80	87.28	5.432	
16,300.00	12,540.10	16,593.38	12,884.26	52.99	51.37	-136.55	-3,449.40	-719.78	474.08	385.14	88.94	5.330	
16,400.00	12,540.98	16,693.38	12,885.14	54.22	52.63	-136.55	-3,549.39	-718.92	474.08	383.47	90.61	5.232	
16,500.00	12,541.85	16,793.38	12,886.01	55.46	53.90	-136.55	-3,649.38	-718.06	474.08	381.79	92.30	5.136	
16,600.00	12,542.72	16,893.38	12,886.89	56.71	55.17	-136.55	-3,749.38	-717.20	474.09	380.09	94.00	5.044	
16,700.00	12,543.60	16,993.38	12,887.77	57.96	56.44	-136.55	-3,849.37	-716.34	474.09	378.38	95.71	4.954	
16,800.00	12,544.47	17,093.38	12,888.65	59.22	57.72	-136.55	-3,949.36	-715.48	474.09	376.66	97.43	4.866	
16,900.00	12,545.34	17,193.38	12,889.53	60.48	59.01	-136.55	-4,049.35	-714.62	474.10	374.94	99.16	4.781	
17,000.00	12,546.21	17,293.38	12,890.40	61.75	60.29	-136.55	-4,149.34	-713.76	474.10	373.20	100.90	4.699	
17,100.00	12,547.09	17,393.38	12,891.28	63.02	61.59	-136.55	-4,249.34	-712.90	474.10	371.45	102.65	4.619	
17,200.00	12,547.96	17,493.38	12,892.16	64.30	62.88	-136.55	-4,349.33	-712.04	474.11	369.70	104.41	4.541	
17,300.00	12,548.83	17,593.38	12,893.04	65.58	64.18	-136.55	-4,449.32	-711.18	474.11	367.93	106.18	4.465	
17,400.00	12,549.71	17,693.38	12,893.92	66.86	65.48	-136.55	-4,549.31	-710.32	474.11	366.16	107.95	4.392	
17,500.00	12,550.58	17,793.38	12,894.79	68.15	66.78	-136.56	-4,649.31	-709.46	474.12	364.38	109.74	4.320	
17,600.00	12,551.45	17,893.38	12,895.67	69.44	68.09	-136.56	-4,749.30	-708.60	474.12	362.59	111.53	4.251	
17,700.00	12,552.33	17,993.38	12,896.55	70.73	69.40	-136.56	-4,849.29	-707.74	474.12	360.80	113.32	4.184	
17,800.00	12,553.20	18,093.38	12,897.43	72.03	70.71	-136.56	-4,949.28	-706.88	474.13	359.00	115.13	4.118	
17,900.00	12,554.07	18,193.38	12,898.30	73.33	72.03	-136.56	-5,049.28	-706.02	474.13	357.19	116.94	4.055	
18,000.00	12,554.94	18,293.38	12,899.18	74.63	73.34	-136.56	-5,149.27	-705.16	474.13	355.38	118.75	3.993	
18,100.00	12,555.82	18,393.38	12,900.06	75.94	74.66	-136.56	-5,249.26	-704.30	474.14	353.56	120.57	3.932	
18,200.00	12,556.69	18,493.38	12,900.94	77.24	75.98	-136.56	-5,349.25	-703.44	474.14	351.74	122.40	3.874	
18,300.00	12,557.56	18,593.38	12,901.82	78.55	77.30	-136.56	-5,449.25	-702.58	474.14	349.91	124.23	3.817	
18,400.00	12,558.44	18,693.38	12,902.69	79.86	78.62	-136.56	-5,549.24	-701.72	474.15	348.08	126.07	3.761	
18,500.00	12,559.31	18,793.38	12,903.57	81.17	79.95	-136.56	-5,649.23	-700.86	474.15	346.24	127.91	3.707	
18,600.00	12,560.18	18,893.38	12,904.45	82.49	81.27	-136.56	-5,749.22	-700.00	474.15	344.40	129.75	3.654	
18,700.00	12,561.06	18,993.38	12,905.33	83.80	82.60	-136.56	-5,849.22	-699.14	474.16	342.55	131.60	3.603	
18,800.00	12,561.93	19,093.38	12,906.21	85.12	83.93	-136.56	-5,949.21	-698.28	474.16	340.70	133.46	3.553	

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 221H - OH - Plan 1

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)		Reference		Offset		Semi Major Axis		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
18,900.00	12,562.80	19,193.38	12,907.08	86.44	85.26	-136.56	-6,049.20	-697.42	474.16	338.85	135.32	3.504	
19,000.00	12,563.68	19,293.38	12,907.96	87.76	86.59	-136.56	-6,149.19	-696.55	474.17	336.99	137.18	3.457	
19,100.00	12,564.55	19,393.38	12,908.84	89.08	87.93	-136.56	-6,249.19	-695.69	474.17	335.13	139.04	3.410	
19,200.00	12,565.42	19,493.38	12,909.72	90.41	89.26	-136.56	-6,349.18	-694.83	474.17	333.26	140.91	3.365	
19,300.00	12,566.29	19,593.38	12,910.60	91.73	90.60	-136.56	-6,449.17	-693.97	474.18	331.39	142.78	3.321	
19,400.00	12,567.17	19,693.38	12,911.47	93.06	91.93	-136.56	-6,549.16	-693.11	474.18	329.52	144.66	3.278	
19,500.00	12,568.04	19,793.38	12,912.35	94.39	93.27	-136.56	-6,649.16	-692.25	474.18	327.65	146.54	3.236	
19,600.00	12,568.91	19,893.38	12,913.23	95.72	94.61	-136.56	-6,749.15	-691.39	474.19	325.77	148.42	3.195	
19,700.00	12,569.79	19,993.38	12,914.11	97.05	95.95	-136.56	-6,849.14	-690.53	474.19	323.89	150.30	3.155	
19,800.00	12,570.66	20,093.38	12,914.98	98.38	97.29	-136.57	-6,949.13	-689.67	474.19	322.00	152.19	3.116	
19,900.00	12,571.53	20,193.38	12,915.86	99.71	98.63	-136.57	-7,049.13	-688.81	474.20	320.11	154.08	3.078	
20,000.00	12,572.41	20,293.38	12,916.74	101.04	99.97	-136.57	-7,149.12	-687.95	474.20	318.23	155.97	3.040	
20,100.00	12,573.28	20,393.38	12,917.62	102.38	101.31	-136.57	-7,249.11	-687.09	474.20	316.33	157.87	3.004	
20,200.00	12,574.15	20,493.38	12,918.50	103.71	102.65	-136.57	-7,349.10	-686.23	474.21	314.44	159.77	2.968	
20,300.00	12,575.02	20,593.38	12,919.37	105.05	104.00	-136.57	-7,449.10	-685.37	474.21	312.54	161.67	2.933	
20,400.00	12,575.90	20,693.38	12,920.25	106.39	105.34	-136.57	-7,549.09	-684.51	474.21	310.65	163.57	2.899	
20,500.00	12,576.77	20,793.38	12,921.13	107.72	106.69	-136.57	-7,649.08	-683.65	474.22	308.74	165.47	2.866	
20,600.00	12,577.64	20,893.38	12,922.01	109.06	108.03	-136.57	-7,749.07	-682.79	474.22	306.84	167.38	2.833	
20,700.00	12,578.52	20,993.38	12,922.89	110.40	109.38	-136.57	-7,849.07	-681.93	474.22	304.94	169.29	2.801	
20,800.00	12,579.39	21,093.38	12,923.76	111.74	110.73	-136.57	-7,949.06	-681.07	474.23	303.03	171.20	2.770	
20,900.00	12,580.26	21,193.38	12,924.64	113.08	112.07	-136.57	-8,049.05	-680.21	474.23	301.12	173.11	2.739	
21,000.00	12,581.14	21,293.38	12,925.52	114.43	113.42	-136.57	-8,149.04	-679.35	474.23	299.21	175.02	2.710	
21,100.00	12,582.01	21,393.38	12,926.40	115.77	114.77	-136.57	-8,249.04	-678.49	474.24	297.30	176.94	2.680	
21,200.00	12,582.88	21,493.38	12,927.28	117.11	116.12	-136.57	-8,349.03	-677.63	474.24	295.39	178.85	2.652	
21,300.00	12,583.76	21,593.38	12,928.15	118.45	117.47	-136.57	-8,449.02	-676.77	474.24	293.47	180.77	2.623	
21,400.00	12,584.63	21,693.38	12,929.03	119.80	118.82	-136.57	-8,549.01	-675.91	474.25	291.55	182.69	2.596	
21,500.00	12,585.50	21,793.38	12,929.91	121.14	120.17	-136.57	-8,649.00	-675.05	474.25	289.63	184.62	2.569	
21,600.00	12,586.37	21,893.38	12,930.79	122.49	121.52	-136.57	-8,749.00	-674.19	474.25	287.71	186.54	2.542	
21,700.00	12,587.25	21,993.38	12,931.66	123.83	122.87	-136.57	-8,848.99	-673.33	474.26	285.79	188.46	2.516	
21,800.00	12,588.12	22,093.38	12,932.54	125.18	124.22	-136.57	-8,948.98	-672.46	474.26	283.87	190.39	2.491	
21,900.00	12,588.99	22,193.38	12,933.42	126.53	125.57	-136.57	-9,048.97	-671.60	474.26	281.95	192.32	2.466	
22,000.00	12,589.87	22,293.38	12,934.30	127.87	126.93	-136.57	-9,148.97	-670.74	474.27	280.02	194.25	2.442	
22,100.00	12,590.74	22,393.38	12,935.18	129.22	128.28	-136.57	-9,248.96	-669.88	474.27	278.09	196.18	2.418	
22,200.00	12,591.61	22,493.38	12,936.05	130.57	129.63	-136.58	-9,348.95	-669.02	474.27	276.17	198.11	2.394	
22,300.00	12,592.49	22,593.38	12,936.93	131.92	130.99	-136.58	-9,448.94	-668.16	474.28	274.24	200.04	2.371	
22,400.00	12,593.36	22,693.38	12,937.81	133.27	132.34	-136.58	-9,548.94	-667.30	474.28	272.31	201.97	2.348	
22,500.00	12,594.23	22,793.38	12,938.69	134.62	133.69	-136.58	-9,648.93	-666.44	474.28	270.38	203.91	2.326	
22,600.00	12,595.10	22,893.38	12,939.57	135.97	135.05	-136.58	-9,748.92	-665.58	474.29	268.44	205.84	2.304	
22,700.00	12,595.98	22,993.38	12,940.44	137.32	136.40	-136.58	-9,848.91	-664.72	474.29	266.51	207.78	2.283	
22,800.00	12,596.85	23,093.38	12,941.32	138.67	137.76	-136.58	-9,948.91	-663.86	474.29	264.57	209.72	2.262	
22,897.27	12,597.70	23,190.65	12,942.18	139.98	138.97	-136.58	-10,046.17	-663.02	474.30	262.83	211.46	2.243	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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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	0.00	0.00	160.00	160.00	0.00	160.00	158.05	1.95	81.844	
100.00	100.00	99.00	99.00	0.98	0.97	0.00	0.00	160.00	160.00	0.00	160.00	156.88	3.12	51.344	
200.00	200.00	199.00	199.00	1.56	1.56	0.00	0.00	160.00	160.00	0.00	160.00	156.04	3.96	40.424	
300.00	300.00	299.00	299.00	1.98	1.98	0.00	0.00	160.00	160.00	0.00	159.50	154.83	4.67	34.189	
400.00	399.99	398.99	398.99	2.41	2.33	67.66	67.66	160.00	160.00	0.00	158.05	152.77	5.28	29.934	
500.00	499.91	498.91	498.91	2.78	2.63	69.00	69.00	160.00	160.00	0.00	155.82	149.99	5.83	26.714	
600.00	599.69	598.69	598.69	3.12	2.91	71.27	71.27	160.00	160.00	0.00	154.95	149.01	5.94	26.075	
633.33	632.91	631.91	631.91	3.15	2.99	72.25	72.25	160.00	160.00	0.00	153.27	147.06	6.21	24.670	
700.00	699.32	698.32	698.32	3.26	3.16	74.31	74.31	160.00	160.00	0.00	151.14	144.45	6.70	22.572	
800.00	798.94	797.94	797.94	3.50	3.40	77.48	77.48	160.00	160.00	0.00	149.49	142.33	7.15	20.896	
900.00	898.56	897.56	897.56	3.74	3.62	80.73	80.73	160.00	160.00	0.00	148.33	140.74	7.59	19.538	
1,000.00	998.18	997.18	997.18	3.98	3.83	84.04	84.04	160.00	160.00	0.00	147.67	139.66	8.01	18.430	
1,100.00	1,097.80	1,096.80	1,096.80	4.21	4.03	87.39	87.39	160.00	160.00	0.00	147.53	139.11	8.42	17.523	
1,177.37	1,174.87	1,173.87	1,173.87	4.38	4.18	90.00	90.00	160.00	160.00	0.00	147.67	139.09	8.58	17.214	ES
1,200.00	1,197.42	1,196.42	1,196.42	4.43	4.23	90.76	90.76	160.00	160.00	0.00	147.93	139.21	8.72	16.970	
1,252.78	1,250.00	1,249.00	1,249.00	4.50	4.32	92.54	92.54	160.00	160.00	0.00	149.18	140.07	9.12	16.365	
1,300.00	1,297.01	1,296.01	1,296.01	4.56	4.41	94.24	94.24	160.00	160.00	0.00	151.87	142.35	9.52	15.952	
1,400.00	1,396.38	1,395.38	1,395.38	4.82	4.59	98.50	98.50	160.00	160.00	0.00	157.42	147.48	9.94	15.833	
1,500.00	1,495.41	1,494.41	1,494.41	5.08	4.77	103.59	103.59	160.00	160.00	0.00	167.77	157.40	10.38	16.167	
1,600.00	1,594.05	1,590.22	1,590.22	5.34	4.96	109.38	109.38	160.13	1.06	157.42	147.48	9.94	15.833		
1,700.00	1,692.22	1,684.53	1,684.46	5.60	5.14	115.82	115.82	160.54	4.42	167.77	157.40	10.38	16.167		
1,800.00	1,789.86	1,777.18	1,776.93	5.85	5.32	122.29	122.29	161.23	9.98	183.76	172.94	10.82	16.976		
1,819.64	1,808.97	1,795.15	1,794.86	5.87	5.35	123.52	123.52	161.39	11.31	187.61	176.71	10.89	17.224		
1,900.00	1,887.11	1,869.88	1,869.31	6.02	5.41	128.47	128.47	162.16	17.59	205.14	193.99	11.15	18.404		
2,000.00	1,984.35	1,964.98	1,964.05	6.24	5.54	133.70	133.70	163.17	25.81	229.04	217.49	11.54	19.844		
2,100.00	2,081.58	2,060.07	2,058.79	6.46	5.69	137.95	137.95	164.18	34.04	254.45	242.51	11.94	21.305		
2,200.00	2,178.82	2,155.17	2,153.53	6.68	5.84	141.43	141.43	165.19	42.27	280.97	268.64	12.34	22.775		
2,300.00	2,276.06	2,247.08	2,245.06	6.90	5.99	144.21	144.21	166.34	50.42	308.57	295.85	12.71	24.271		
2,400.00	2,373.29	2,335.29	2,332.76	7.15	6.14	146.29	146.29	168.62	59.61	338.42	325.35	13.07	25.889		
2,500.00	2,470.53	2,422.62	2,419.37	7.41	6.31	147.87	147.87	172.18	70.22	370.50	357.07	13.43	27.593		
2,600.00	2,567.76	2,508.98	2,504.76	7.70	6.47	149.03	149.03	176.97	82.18	404.59	390.81	13.78	29.368		
2,700.00	2,665.00	2,594.31	2,588.84	7.99	6.63	149.86	149.86	182.94	95.44	440.54	426.42	14.12	31.198		
2,800.00	2,762.23	2,678.54	2,671.51	8.28	6.80	150.43	150.43	190.05	109.91	478.26	463.79	14.46	33.064		
2,900.00	2,859.47	2,768.10	2,759.13	8.58	6.96	150.84	150.84	198.55	126.39	517.23	502.40	14.83	34.876		
3,000.00	2,956.71	2,860.10	2,849.12	8.88	7.11	151.20	151.20	207.34	143.37	556.30	541.09	15.21	36.572		
3,100.00	3,053.94	2,952.10	2,939.11	9.18	7.27	151.52	151.52	216.12	160.36	595.38	579.79	15.60	38.176		
3,200.00	3,151.18	3,044.10	3,029.10	9.48	7.43	151.79	151.79	224.90	177.34	634.48	618.50	15.98	39.697		
3,300.00	3,248.41	3,136.10	3,119.10	9.79	7.59	152.04	152.04	233.69	194.33	673.58	657.21	16.37	41.140		
3,400.00	3,345.65	3,228.10	3,209.09	10.09	7.75	152.25	152.25	242.47	211.31	712.70	695.94	16.77	42.511		
3,500.00	3,442.88	3,320.10	3,299.08	10.40	7.92	152.45	152.45	251.26	228.30	751.82	734.66	17.16	43.813		
3,600.00	3,540.12	3,412.11	3,389.07	10.70	8.09	152.62	152.62	260.04	245.29	790.95	773.40	17.56	45.052		
3,700.00	3,637.36	3,504.11	3,479.06	11.01	8.30	152.78	152.78	268.83	262.27	830.09	812.13	17.96	46.230		
3,800.00	3,734.59	3,596.11	3,569.05	11.32	8.51	152.92	152.92	277.61	279.26	869.23	850.87	18.36	47.353		
3,900.00	3,831.83	3,688.11	3,659.05	11.63	8.72	153.06	153.06	286.40	296.24	908.37	889.62	18.76	48.422		
4,000.00	3,929.06	3,780.11	3,749.04	11.94	8.94	153.18	153.18	295.18	313.23	947.52	928.36	19.16	49.442		
4,100.00	4,026.30	3,872.11	3,839.03	12.25	9.16	153.29	153.29	303.96	330.21	986.68	967.10	19.57	50.416		
4,200.00	4,123.54	3,964.11	3,929.02	12.56	9.38	153.39	153.39	312.75	347.20	1,025.83	1,005.85	19.98	51.346		
4,300.00	4,220.77	4,056.11	4,019.01	12.87	9.60	153.49	153.49	321.53	364.18	1,064.99	1,044.60	20.39	52.236		
4,400.00	4,318.01	4,148.11	4,109.00	13.18	9.83	153.57	153.57	330.32	381.17	1,104.15	1,083.35	20.80	53.086		
4,500.00	4,415.24	4,240.11	4,198.99	13.50	10.05	153.66	153.66	339.10	398.15	1,143.31	1,122.10	21.21	53.900		
4,600.00	4,512.48	4,332.11	4,288.99	13.81	10.28	153.73	153.73	347.89	415.14	1,182.47	1,160.85	21.63	54.679		
4,700.00	4,609.71	4,424.11	4,378.98	14.12	10.51	153.81	153.81	356.67	432.13	1,221.64	1,199.60	22.04	55.427		

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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:			
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)							
4,800.00	4,706.95	4,516.11	4,468.97	14.43	10.74	153.87	365.45	449.11	1,260.80	1,238.35	22.46	56.143			
4,900.00	4,804.19	4,608.12	4,558.96	14.75	10.97	153.94	374.24	466.10	1,299.97	1,277.10	22.87	56.831			
5,000.00	4,901.42	4,700.12	4,648.95	15.06	11.21	154.00	383.02	483.08	1,339.14	1,315.85	23.29	57.491			
5,100.00	4,998.66	4,792.12	4,738.94	15.38	11.44	154.05	391.81	500.07	1,378.31	1,354.60	23.71	58.125			
5,200.00	5,095.89	4,884.12	4,828.94	15.69	11.68	154.11	400.59	517.05	1,417.48	1,393.35	24.13	58.734			
5,300.00	5,193.13	4,976.12	4,918.93	16.00	11.92	154.16	409.38	534.04	1,456.66	1,432.10	24.56	59.320			
5,400.00	5,290.37	5,068.12	5,008.92	16.32	12.15	154.21	418.16	551.02	1,495.83	1,470.85	24.98	59.884			
5,500.00	5,387.60	5,161.77	5,100.53	16.63	12.38	154.25	427.10	568.31	1,535.00	1,509.61	25.39	60.457			
5,600.00	5,484.84	5,308.14	5,244.28	16.95	12.72	154.37	439.74	592.74	1,572.49	1,546.44	26.05	60.372			
5,697.99	5,580.12	5,455.29	5,389.76	17.26	13.03	154.57	449.88	612.35	1,606.06	1,579.38	26.68	60.192			
5,700.00	5,582.07	5,458.35	5,392.79	17.26	13.03	154.58	450.06	612.70	1,606.72	1,580.02	26.69	60.190			
5,800.00	5,679.61	5,612.70	5,546.19	17.56	13.30	155.04	457.87	627.80	1,636.39	1,609.07	27.32	59.903			
5,900.00	5,777.70	5,771.10	5,704.20	17.84	13.52	155.49	462.91	637.55	1,660.24	1,632.36	27.89	59.531			
6,000.00	5,876.26	5,932.66	5,865.69	18.08	13.68	155.92	464.95	641.50	1,678.12	1,649.74	28.37	59.145			
6,100.00	5,975.23	6,041.21	5,974.23	18.30	13.74	156.22	464.99	641.57	1,691.25	1,662.61	28.65	59.041			
6,200.00	6,074.54	6,140.52	6,073.54	18.48	13.81	156.44	464.99	641.57	1,701.99	1,673.07	28.91	58.867			
6,300.00	6,174.12	6,240.10	6,173.12	18.64	13.88	156.61	464.99	641.57	1,710.34	1,681.17	29.17	58.637			
6,400.00	6,273.91	6,339.88	6,272.91	18.77	13.95	156.74	464.99	641.57	1,716.31	1,686.89	29.41	58.355			
6,500.00	6,373.83	6,439.81	6,372.83	18.87	14.03	156.81	464.99	641.57	1,719.87	1,690.23	29.64	58.028			
6,598.18	6,472.00	6,537.98	6,471.00	18.95	14.10	89.61	464.99	641.57	1,721.03	1,691.23	29.80	57.750			
6,600.00	6,473.82	6,539.80	6,472.82	18.95	14.10	89.61	464.99	641.57	1,721.03	1,691.23	29.80	57.747			
6,700.00	6,573.82	6,639.80	6,572.82	19.00	14.17	89.61	464.99	641.57	1,721.03	1,691.10	29.93	57.502			
6,800.00	6,673.82	6,739.80	6,672.82	19.05	14.25	89.61	464.99	641.57	1,721.03	1,690.97	30.06	57.259			
6,900.00	6,773.82	6,839.80	6,772.82	19.11	14.32	89.61	464.99	641.57	1,721.03	1,690.85	30.18	57.017			
7,000.00	6,873.82	6,939.80	6,872.82	19.16	14.39	89.61	464.99	641.57	1,721.03	1,690.72	30.31	56.776			
7,100.00	6,973.82	7,039.80	6,972.82	19.22	14.47	89.61	464.99	641.57	1,721.03	1,690.59	30.44	56.537			
7,200.00	7,073.82	7,139.80	7,072.82	19.27	14.54	89.61	464.99	641.57	1,721.03	1,690.46	30.57	56.300			
7,300.00	7,173.82	7,239.80	7,172.82	19.33	14.62	89.61	464.99	641.57	1,721.03	1,690.33	30.70	56.063			
7,400.00	7,273.82	7,339.80	7,272.82	19.38	14.69	89.61	464.99	641.57	1,721.03	1,690.20	30.83	55.829			
7,500.00	7,373.82	7,439.80	7,372.82	19.44	14.76	89.61	464.99	641.57	1,721.03	1,690.07	30.96	55.595			
7,600.00	7,473.82	7,539.80	7,472.82	19.49	14.84	89.61	464.99	641.57	1,721.03	1,689.94	31.09	55.363			
7,700.00	7,573.82	7,639.80	7,572.82	19.55	14.91	89.61	464.99	641.57	1,721.03	1,689.81	31.22	55.133			
7,800.00	7,673.82	7,739.80	7,672.82	19.60	14.99	89.61	464.99	641.57	1,721.03	1,689.68	31.35	54.904			
7,900.00	7,773.82	7,839.80	7,772.82	19.66	15.06	89.61	464.99	641.57	1,721.03	1,689.55	31.48	54.676			
8,000.00	7,873.82	7,939.80	7,872.82	19.72	15.14	89.61	464.99	641.57	1,721.03	1,689.42	31.61	54.450			
8,100.00	7,973.82	8,039.80	7,972.82	19.77	15.21	89.61	464.99	641.57	1,721.03	1,689.29	31.74	54.225			
8,200.00	8,073.82	8,139.80	8,072.82	19.83	15.29	89.61	464.99	641.57	1,721.03	1,689.16	31.87	54.001			
8,300.00	8,173.82	8,239.80	8,172.82	19.89	15.36	89.61	464.99	641.57	1,721.03	1,689.03	32.00	53.779			
8,400.00	8,273.82	8,339.80	8,272.82	19.94	15.44	89.61	464.99	641.57	1,721.03	1,688.90	32.13	53.558			
8,500.00	8,373.82	8,439.80	8,372.82	20.00	15.51	89.61	464.99	641.57	1,721.03	1,688.76	32.27	53.339			
8,600.00	8,473.82	8,539.80	8,472.82	20.06	15.59	89.61	464.99	641.57	1,721.03	1,688.63	32.40	53.120			
8,700.00	8,573.82	8,639.80	8,572.82	20.11	15.66	89.61	464.99	641.57	1,721.03	1,688.50	32.53	52.904			
8,800.00	8,673.82	8,739.80	8,672.82	20.17	15.74	89.61	464.99	641.57	1,721.03	1,688.37	32.66	52.688			
8,900.00	8,773.82	8,839.80	8,772.82	20.23	15.81	89.61	464.99	641.57	1,721.03	1,688.23	32.80	52.474			
9,000.00	8,873.82	8,939.80	8,872.82	20.29	15.89	89.61	464.99	641.57	1,721.03	1,688.10	32.93	52.261			
9,100.00	8,973.82	9,039.80	8,972.82	20.35	15.96	89.61	464.99	641.57	1,721.03	1,687.96	33.06	52.050			
9,200.00	9,073.82	9,139.80	9,072.82	20.40	16.04	89.61	464.99	641.57	1,721.03	1,687.83	33.20	51.840			
9,300.00	9,173.82	9,239.80	9,172.82	20.46	16.11	89.61	464.99	641.57	1,721.03	1,687.70	33.33	51.631			
9,400.00	9,273.82	9,339.80	9,272.82	20.52	16.19	89.61	464.99	641.57	1,721.03	1,687.56	33.47	51.423			
9,500.00	9,373.82	9,439.80	9,372.82	20.58	16.26	89.61	464.99	641.57	1,721.03	1,687.43	33.60	51.217			
9,600.00	9,473.82	9,539.80	9,472.82	20.64	16.34	89.61	464.99	641.57	1,721.03	1,687.29	33.74	51.012			
9,700.00	9,573.82	9,639.80	9,572.82	20.70	16.41	89.61	464.99	641.57	1,721.03	1,687.16	33.87	50.809			

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 222H - OH - Plan 1														Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)														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)		Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)							
13,800.00	12,518.28	14,085.32	12,865.22	26.70	24.10	-101.94	-938.22	578.69	1,682.45	1,635.75	46.70	36.030			
13,900.00	12,519.15	14,185.32	12,866.09	27.43	24.98	-101.94	-1,038.22	579.55	1,682.44	1,634.06	48.38	34.775			
14,000.00	12,520.02	14,285.32	12,866.96	28.21	25.89	-101.94	-1,138.21	580.41	1,682.44	1,632.29	50.15	33.546			
14,100.00	12,520.90	14,385.32	12,867.83	29.03	26.85	-101.94	-1,238.20	581.27	1,682.44	1,630.44	52.00	32.352			
14,200.00	12,521.77	14,485.32	12,868.69	29.88	27.84	-101.94	-1,338.19	582.13	1,682.44	1,628.52	53.93	31.199			
14,300.00	12,522.64	14,585.32	12,869.56	30.77	28.86	-101.94	-1,438.19	582.99	1,682.44	1,626.53	55.91	30.092			
14,400.00	12,523.52	14,685.32	12,870.43	31.70	29.91	-101.93	-1,538.18	583.85	1,682.44	1,624.49	57.95	29.032			
14,500.00	12,524.39	14,785.32	12,871.30	32.65	30.99	-101.93	-1,638.17	584.71	1,682.44	1,622.40	60.04	28.021			
14,600.00	12,525.26	14,885.32	12,872.17	33.63	32.09	-101.93	-1,738.16	585.57	1,682.44	1,620.26	62.18	27.058			
14,700.00	12,526.13	14,985.32	12,873.03	34.64	33.21	-101.93	-1,838.16	586.43	1,682.44	1,618.08	64.36	26.142			
14,800.00	12,527.01	15,085.32	12,873.90	35.67	34.35	-101.93	-1,938.15	587.30	1,682.44	1,615.86	66.57	25.272			
14,900.00	12,527.88	15,185.32	12,874.77	36.72	35.51	-101.93	-2,038.14	588.16	1,682.44	1,613.61	68.82	24.446			
15,000.00	12,528.75	15,285.32	12,875.64	37.79	36.68	-101.93	-2,138.13	589.02	1,682.43	1,611.33	71.10	23.662			
15,100.00	12,529.63	15,385.32	12,876.51	38.88	37.86	-101.93	-2,238.13	589.88	1,682.43	1,609.02	73.41	22.919			
15,200.00	12,530.50	15,485.32	12,877.38	39.99	39.06	-101.93	-2,338.12	590.74	1,682.43	1,606.69	75.74	22.213			
15,300.00	12,531.37	15,585.32	12,878.24	41.11	40.27	-101.93	-2,438.11	591.60	1,682.43	1,604.34	78.10	21.543			
15,400.00	12,532.25	15,685.32	12,879.11	42.25	41.49	-101.93	-2,538.10	592.46	1,682.43	1,601.96	80.47	20.907			
15,500.00	12,533.12	15,785.32	12,879.98	43.40	42.71	-101.93	-2,638.10	593.32	1,682.43	1,599.56	82.87	20.303			
15,600.00	12,533.99	15,885.32	12,880.85	44.56	43.95	-101.93	-2,738.09	594.18	1,682.43	1,597.15	85.28	19.729			
15,700.00	12,534.86	15,985.32	12,881.72	45.74	45.20	-101.93	-2,838.08	595.04	1,682.43	1,594.72	87.71	19.183			
15,800.00	12,535.74	16,085.32	12,882.58	46.92	46.45	-101.93	-2,938.07	595.90	1,682.43	1,592.28	90.15	18.663			
15,900.00	12,536.61	16,185.32	12,883.45	48.12	47.70	-101.93	-3,038.07	596.76	1,682.43	1,589.82	92.60	18.168			
16,000.00	12,537.48	16,285.32	12,884.32	49.32	48.97	-101.93	-3,138.06	597.62	1,682.42	1,587.35	95.07	17.696			
16,100.00	12,538.36	16,385.32	12,885.19	50.54	50.24	-101.93	-3,238.05	598.48	1,682.42	1,584.87	97.55	17.246			
16,200.00	12,539.23	16,485.32	12,886.06	51.76	51.51	-101.93	-3,338.04	599.35	1,682.42	1,582.38	100.04	16.817			
16,300.00	12,540.10	16,585.32	12,886.92	52.99	52.79	-101.93	-3,438.04	600.21	1,682.42	1,579.88	102.54	16.407			
16,400.00	12,540.98	16,685.32	12,887.79	54.22	54.08	-101.93	-3,538.03	601.07	1,682.42	1,577.37	105.05	16.015			
16,500.00	12,541.85	16,785.32	12,888.66	55.46	55.37	-101.93	-3,638.02	601.93	1,682.42	1,574.85	107.57	15.640			
16,600.00	12,542.72	16,885.32	12,889.53	56.71	56.66	-101.93	-3,738.01	602.79	1,682.42	1,572.32	110.10	15.281			
16,700.00	12,543.60	16,985.32	12,890.40	57.96	57.95	-101.93	-3,838.01	603.65	1,682.42	1,569.79	112.63	14.937			
16,800.00	12,544.47	17,085.32	12,891.26	59.22	59.25	-101.93	-3,938.00	604.51	1,682.42	1,567.24	115.17	14.608			
16,900.00	12,545.34	17,185.32	12,892.13	60.48	60.56	-101.93	-4,037.99	605.37	1,682.42	1,564.70	117.72	14.292			
17,000.00	12,546.21	17,285.32	12,893.00	61.75	61.86	-101.93	-4,137.98	606.23	1,682.41	1,562.14	120.27	13.988			
17,100.00	12,547.09	17,385.32	12,893.87	63.02	63.17	-101.93	-4,237.98	607.09	1,682.41	1,559.58	122.83	13.697			
17,200.00	12,547.96	17,485.32	12,894.74	64.30	64.48	-101.93	-4,337.97	607.95	1,682.41	1,557.02	125.40	13.417			
17,300.00	12,548.83	17,585.32	12,895.60	65.58	65.79	-101.93	-4,437.96	608.81	1,682.41	1,554.45	127.97	13.147			
17,400.00	12,549.71	17,685.32	12,896.47	66.86	67.11	-101.93	-4,537.95	609.67	1,682.41	1,551.87	130.54	12.888			
17,500.00	12,550.58	17,785.32	12,897.34	68.15	68.43	-101.93	-4,637.95	610.53	1,682.41	1,549.29	133.12	12.638			
17,600.00	12,551.45	17,885.32	12,898.21	69.44	69.75	-101.93	-4,737.94	611.40	1,682.41	1,546.71	135.70	12.398			
17,700.00	12,552.33	17,985.32	12,899.08	70.73	71.07	-101.93	-4,837.93	612.26	1,682.41	1,544.12	138.29	12.166			
17,800.00	12,553.20	18,085.32	12,899.94	72.03	72.39	-101.93	-4,937.92	613.12	1,682.41	1,541.53	140.88	11.942			
17,900.00	12,554.07	18,185.32	12,900.81	73.33	73.71	-101.93	-5,037.92	613.98	1,682.41	1,538.93	143.47	11.726			
18,000.00	12,554.94	18,285.32	12,901.68	74.63	75.04	-101.93	-5,137.91	614.84	1,682.41	1,536.33	146.07	11.518			
18,100.00	12,555.82	18,385.32	12,902.55	75.94	76.37	-101.93	-5,237.90	615.70	1,682.40	1,533.73	148.67	11.316			
18,200.00	12,556.69	18,485.32	12,903.42	77.24	77.70	-101.93	-5,337.89	616.56	1,682.40	1,531.13	151.27	11.122			
18,300.00	12,557.56	18,585.32	12,904.28	78.55	79.03	-101.93	-5,437.89	617.42	1,682.40	1,528.52	153.88	10.933			
18,400.00	12,558.44	18,685.32	12,905.15	79.86	80.36	-101.93	-5,537.88	618.28	1,682.40	1,525.91	156.49	10.751			
18,500.00	12,559.31	18,785.32	12,906.02	81.17	81.70	-101.93	-5,637.87	619.14	1,682.40	1,523.30	159.10	10.574			
18,600.00	12,560.18	18,885.32	12,906.89	82.49	83.03	-101.93	-5,737.86	620.00	1,682.40	1,520.68	161.72	10.403			
18,700.00	12,561.06	18,985.32	12,907.76	83.80	84.37	-101.93	-5,837.86	620.86	1,682.40	1,518.07	164.33	10.238			
18,800.00	12,561.93	19,085.32	12,908.62	85.12	85.70	-101.93	-5,937.85	621.72	1,682.40	1,515.45	166.95	10.077			
18,900.00	12,562.80	19,185.32	12,909.49	86.44	87.04	-101.93	-6,037.84	622.58	1,682.40	1,512.82	169.57	9.921			

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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 222H - OH - Plan 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)													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)						
19,000.00	12,563.68	19,285.32	12,910.36	87.76	88.38	-101.93	-6,137.83	623.45	1,682.40	1,510.20		172.20	9.770	
19,100.00	12,564.55	19,385.32	12,911.23	89.08	89.72	-101.93	-6,237.83	624.31	1,682.39	1,507.57		174.82	9.624	
19,200.00	12,565.42	19,485.32	12,912.10	90.41	91.06	-101.93	-6,337.82	625.17	1,682.39	1,504.95		177.45	9.481	
19,300.00	12,566.29	19,585.32	12,912.96	91.73	92.40	-101.93	-6,437.81	626.03	1,682.39	1,502.32		180.08	9.343	
19,400.00	12,567.17	19,685.32	12,913.83	93.06	93.75	-101.93	-6,537.80	626.89	1,682.39	1,499.69		182.71	9.208	
19,500.00	12,568.04	19,785.32	12,914.70	94.39	95.09	-101.93	-6,637.80	627.75	1,682.39	1,497.05		185.34	9.077	
19,600.00	12,568.91	19,885.32	12,915.57	95.72	96.43	-101.93	-6,737.79	628.61	1,682.39	1,494.42		187.97	8.950	
19,700.00	12,569.79	19,985.32	12,916.44	97.05	97.78	-101.93	-6,837.78	629.47	1,682.39	1,491.78		190.61	8.827	
19,800.00	12,570.66	20,085.32	12,917.30	98.38	99.12	-101.93	-6,937.78	630.33	1,682.39	1,489.15		193.24	8.706	
19,900.00	12,571.53	20,185.32	12,918.17	99.71	100.47	-101.93	-7,037.77	631.19	1,682.39	1,486.51		195.88	8.589	
20,000.00	12,572.41	20,285.32	12,919.04	101.04	101.82	-101.93	-7,137.76	632.05	1,682.39	1,483.87		198.52	8.475	
20,100.00	12,573.28	20,385.32	12,919.91	102.38	103.16	-101.93	-7,237.75	632.91	1,682.38	1,481.23		201.16	8.363	
20,200.00	12,574.15	20,485.32	12,920.78	103.71	104.51	-101.93	-7,337.75	633.77	1,682.38	1,478.58		203.80	8.255	
20,300.00	12,575.02	20,585.32	12,921.64	105.05	105.86	-101.93	-7,437.74	634.63	1,682.38	1,475.94		206.44	8.149	
20,400.00	12,575.90	20,685.32	12,922.51	106.39	107.21	-101.92	-7,537.73	635.50	1,682.38	1,473.29		209.09	8.046	
20,500.00	12,576.77	20,785.32	12,923.38	107.72	108.56	-101.92	-7,637.72	636.36	1,682.38	1,470.65		211.73	7.946	
20,600.00	12,577.64	20,885.32	12,924.25	109.06	109.91	-101.92	-7,737.72	637.22	1,682.38	1,468.00		214.38	7.848	
20,700.00	12,578.52	20,985.32	12,925.12	110.40	111.26	-101.92	-7,837.71	638.08	1,682.38	1,465.35		217.02	7.752	
20,800.00	12,579.39	21,085.32	12,925.98	111.74	112.61	-101.92	-7,937.70	638.94	1,682.38	1,462.71		219.67	7.659	
20,900.00	12,580.26	21,185.32	12,926.85	113.08	113.96	-101.92	-8,037.69	639.80	1,682.38	1,460.06		222.32	7.567	
21,000.00	12,581.14	21,285.32	12,927.72	114.43	115.31	-101.92	-8,137.69	640.66	1,682.38	1,457.40		224.97	7.478	
21,100.00	12,582.01	21,385.32	12,928.59	115.77	116.67	-101.92	-8,237.68	641.52	1,682.38	1,454.75		227.62	7.391	
21,200.00	12,582.88	21,485.32	12,929.46	117.11	118.02	-101.92	-8,337.67	642.38	1,682.37	1,452.10		230.27	7.306	
21,300.00	12,583.76	21,585.32	12,930.33	118.45	119.37	-101.92	-8,437.66	643.24	1,682.37	1,449.45		232.93	7.223	
21,400.00	12,584.63	21,685.32	12,931.19	119.80	120.73	-101.92	-8,537.66	644.10	1,682.37	1,446.79		235.58	7.141	
21,500.00	12,585.50	21,785.32	12,932.06	121.14	122.08	-101.92	-8,637.65	644.96	1,682.37	1,444.14		238.23	7.062	
21,600.00	12,586.37	21,885.32	12,932.93	122.49	123.43	-101.92	-8,737.64	645.82	1,682.37	1,441.48		240.89	6.984	
21,700.00	12,587.25	21,985.32	12,933.80	123.83	124.79	-101.92	-8,837.63	646.68	1,682.37	1,438.83		243.54	6.908	
21,800.00	12,588.12	22,085.32	12,934.67	125.18	126.14	-101.92	-8,937.63	647.55	1,682.37	1,436.17		246.20	6.833	
21,900.00	12,588.99	22,185.32	12,935.53	126.53	127.50	-101.92	-9,037.62	648.41	1,682.37	1,433.51		248.86	6.760	
22,000.00	12,589.87	22,285.32	12,936.40	127.87	128.85	-101.92	-9,137.61	649.27	1,682.37	1,430.85		251.51	6.689	
22,100.00	12,590.74	22,385.32	12,937.27	129.22	130.21	-101.92	-9,237.60	650.13	1,682.37	1,428.19		254.17	6.619	
22,200.00	12,591.61	22,485.32	12,938.14	130.57	131.57	-101.92	-9,337.60	650.99	1,682.36	1,425.54		256.83	6.551	
22,300.00	12,592.49	22,585.32	12,939.01	131.92	132.92	-101.92	-9,437.59	651.85	1,682.36	1,422.88		259.49	6.483	
22,400.00	12,593.36	22,685.32	12,939.87	133.27	134.28	-101.92	-9,537.58	652.71	1,682.36	1,420.21		262.15	6.418	
22,500.00	12,594.23	22,785.32	12,940.74	134.62	135.64	-101.92	-9,637.57	653.57	1,682.36	1,417.55		264.81	6.353	
22,600.00	12,595.10	22,885.32	12,941.61	135.97	136.99	-101.92	-9,737.57	654.43	1,682.36	1,414.89		267.47	6.290	
22,700.00	12,595.98	22,985.32	12,942.48	137.32	138.35	-101.92	-9,837.56	655.29	1,682.36	1,412.23		270.13	6.228	
22,800.00	12,596.85	23,085.32	12,943.35	138.67	139.71	-101.92	-9,937.55	656.15	1,682.36	1,409.57		272.79	6.167	
22,897.27	12,597.70	23,182.59	12,944.19	139.98	141.03	-101.92	-10,034.82	656.99	1,682.36	1,406.98		275.38	6.109	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 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

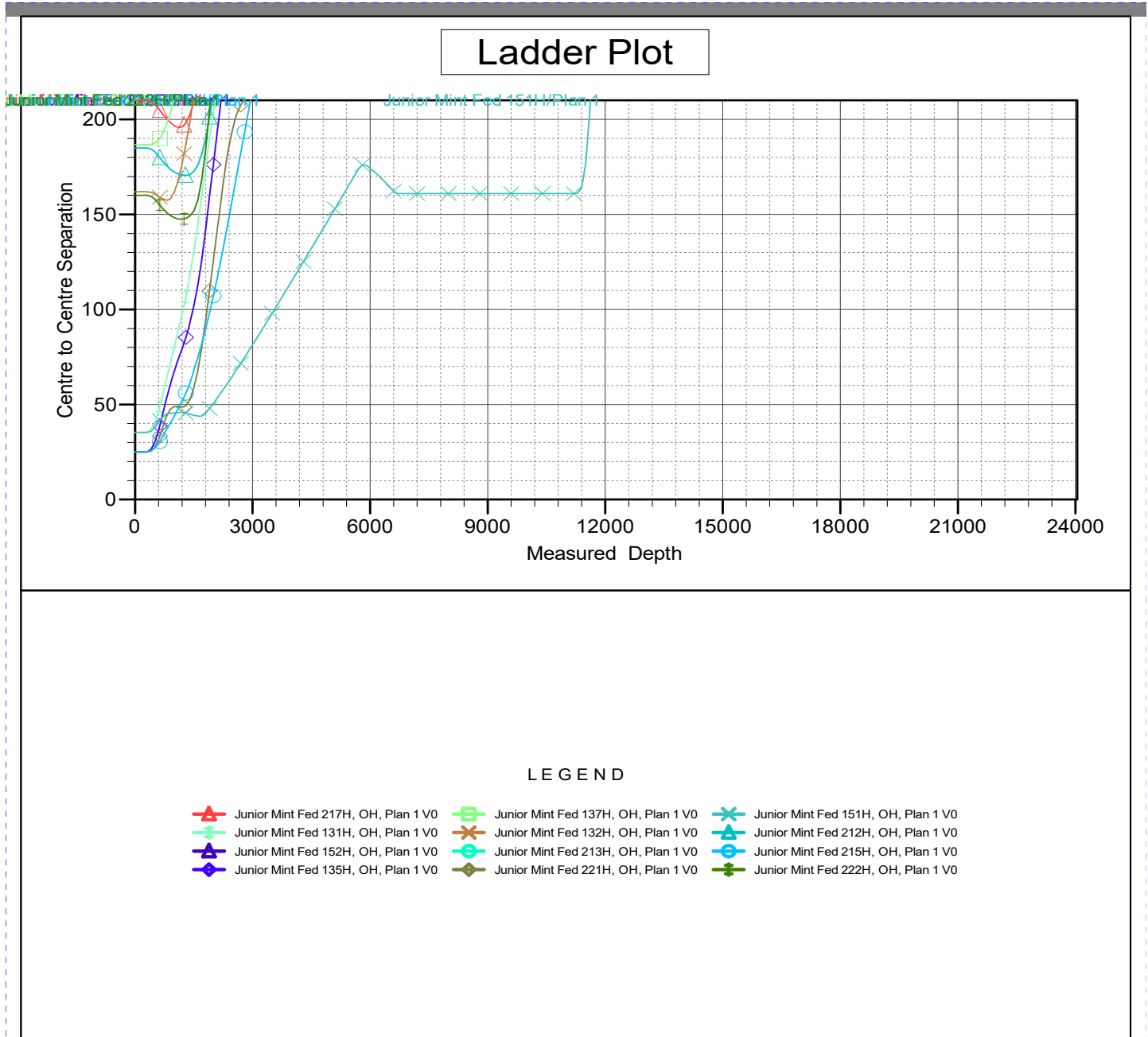
Reference Depths are relative to GE 3221 + 26 @ 3247.00usft (26' KB)Coordinates are relative to: Junior Mint Fed 211H

Offset Depths are relative to Offset Datum

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

Central Meridian is -104.3333333

Grid Convergence at Surface is: 0.52°



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

Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 211H
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 211H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	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 211H

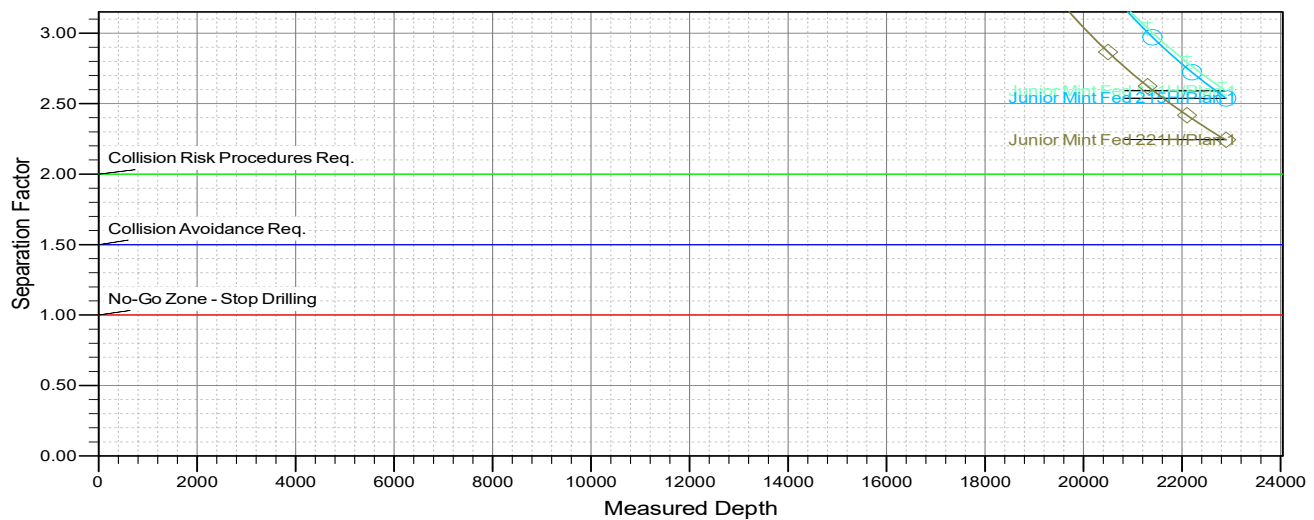
Offset Depths are relative to Offset Datum

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 131H, OH, Plan 1 V0	Junior Mint Fed 132H, OH, Plan 1 V0	Junior Mint Fed 212H, OH, Plan 1 V0
Junior Mint Fed 152H, OH, Plan 1 V0	Junior Mint Fed 213H, OH, Plan 1 V0	Junior Mint Fed 215H, OH, Plan 1 V0
Junior Mint Fed 135H, OH, Plan 1 V0	Junior Mint Fed 221H, OH, Plan 1 V0	Junior Mint Fed 222H, OH, Plan 1 V0

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

CONDITIONS

Action 475362

CONDITIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 475362
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
matthew.gomez	Directional plan reports FTP occurring within the Bone Spring formation. If production is desired to occur outside of the Wolfcamp formation, a second pool must be added and a DHC must be approved prior to producing the well.	6/26/2025
matthew.gomez	If production is desired to occur outside of the lower Bone Spring zone, a second pool must be added and a DHC must be approved prior to producing the well.	6/26/2025