

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

SUBMIT IN TRIPLICATE - Other instructions on page 2		5. Lease Serial No. NMNM101609
1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator CIVITAS PERMIAN OPERATING LLC		7. If Unit of CA/Agreement, Name and/or No.
3a. Address 555 17TH STREET SUITE 3700, DENVER, CO 8	3b. Phone No. (include area code) (303) 293-1000	8. Well Name and No. JUNIOR MINT FED/132H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SEC 15/T25S/R35E/NMP		9. API Well No.
		10. Field and Pool or Exploratory Area WC-02 H-08 S2535340/BONE SPRING
		11. Country or Parish, State LEA/NM

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

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

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation 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 297 FNL & 1506 FWL, NENW, Sec. 15, T.25S, R.35E to 351 FNL & 1436 FWL, NENW, Sec. 15, T.25S, R.35E. Changes to the drill plan and other variance requests are detailed in the attached summary and supporting documents. Please see the attached revised C102 plat, directional plan, anticollision report, production casing spec sheets and wellhead diagram for additional information.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) BRIAN WOOD / Ph: (505) 466-8120	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 / 297 FNL / 1506 FWL / TWSP: 25S / RANGE: 35E / SECTION: 15 / LAT: 32.1368209 / LONG: -103.3590686 (TVD: 0 feet, MD: 0 feet)

PPP: NENW / 162 FNL / 1885 FWL / TWSP: 25S / RANGE: 35E / SECTION: 15 / LAT: 32.1371905 / LONG: -103.3578447 (TVD: 11895 feet, MD: 11942 feet)

BHL: SESW / 5 FSL / 1929 FWL / TWSP: 25S / RANGE: 35E / SECTION: 22 / LAT: 32.1086311 / LONG: -103.3577188 (TVD: 12213 feet, MD: 22407 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- 54747	Pool Code 98185	Pool Name WC-025 G-09 S253502B;LWR BONE SPRING
Property Code 337333	Property Name JUNIOR MINT FED	Well Number 132H
OGRID No. 332195	Operator Name CIVITAS PERMIAN OPERATING, LLC	Ground Level Elevation 3220'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL or lot no. C	Section 15	Township 25-S	Range 35-E	Lot Idn -	Feet from the N/S 351' N	Feet from the E/W 1436' W	Latitude N 32.1366714	Longitude W 103.3592963	County LEA
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Bottom Hole Location

UL or lot no. N	Section 22	Township 25-S	Range 35-E	Lot Idn -	Feet from the N/S 5' S	Feet from the E/W 1929' W	Latitude N 32.1086311	Longitude W 103.3577188	County LEA
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Dedicated Acres 1280.00	Infill or Defining Well Infill	Defining Well API - 30-025-54740	Overlapping Spacing Unit (Y/N) No	Consolidated Code N/A
Order Numbers N/A			Well Setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL or lot no. C	Section 15	Township 25-S	Range 35-E	Lot Idn -	Feet from the N/S 100' N	Feet from the E/W 1929' W	Latitude N 32.1373593	Longitude W 103.3577030	County LEA
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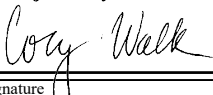
First Take Point (FTP)

UL or lot no. C	Section 15	Township 25-S	Range 35-E	Lot Idn -	Feet from the N/S 100' N	Feet from the E/W 1929' W	Latitude N 32.1373593	Longitude W 103.3577030	County LEA
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Last Take Point (LTP)

UL or lot no. N	Section 22	Township 25-S	Range 35-E	Lot Idn -	Feet from the N/S 100' S	Feet from the E/W 1929' W	Latitude N 32.1088922	Longitude W 103.3577181	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 3:15:50 PM	
Signature Cory Walk		Signature and Seal of Professional Surveyor	
Date 4-16-25		Date 2/6/2025 3:15:50 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 132H

SURFACE LOCATION (SHL)

NEW MEXICO EAST
NAD 1983
X=842835 Y=414820
LAT.: N 32.1366714
LONG.: W 103.3592963
NAD 1927
X=801648 Y=414762
LAT.: N 32.1365451
LONG.: W 103.3588312
351' FNL 1436' FWL

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

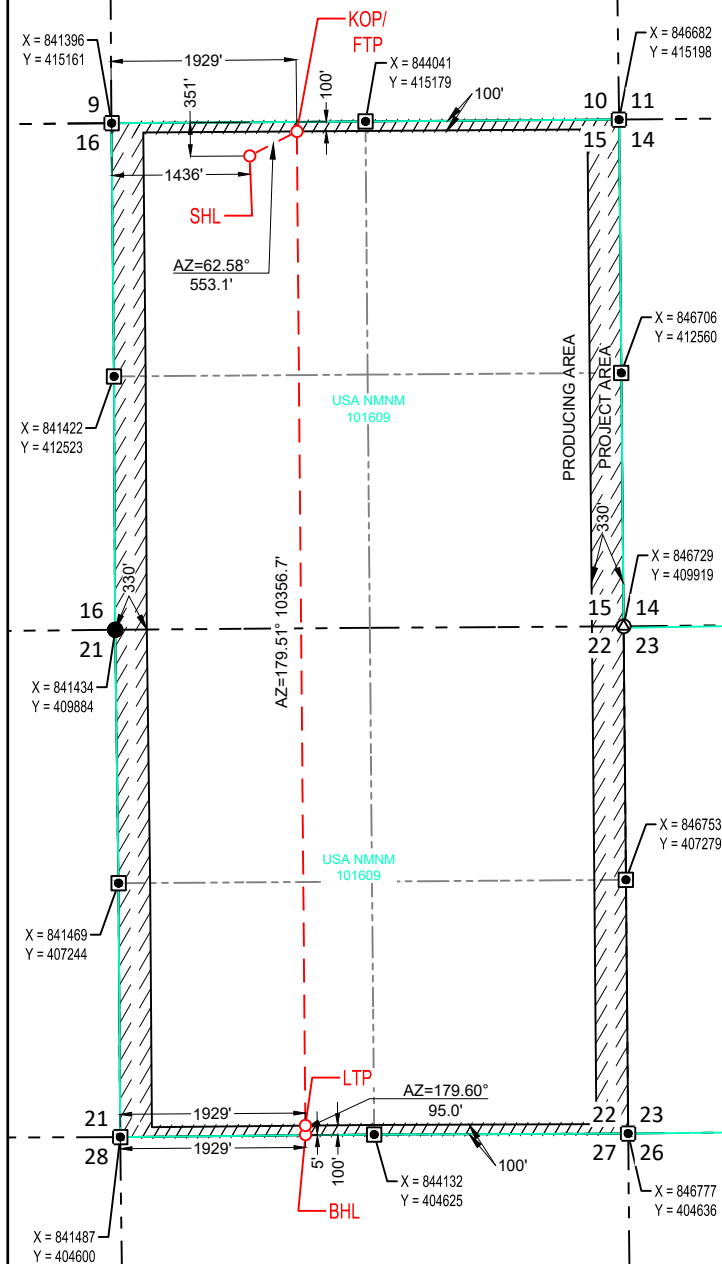
NEW MEXICO EAST
NAD 1983
X=843326 Y=415075
LAT.: N 32.1373593
LONG.: W 103.3577030
NAD 1927
X=802139 Y=415016
LAT.: N 32.1372329
LONG.: W 103.3572380
100' FNL 1929' FWL

LAST TAKE POINT (LTP)

NEW MEXICO EAST
NAD 1983
X=843415 Y=404718
LAT.: N 32.1088922
LONG.: W 103.3577181
NAD 1927
X=802228 Y=404660
LAT.: N 32.1087657
LONG.: W 103.3572546
100' FSL 1929' FWL

BOTTOM HOLE LOCATION (BHL)

NEW MEXICO EAST
NAD 1983
X=843416 Y=404623
LAT.: N 32.1086311
LONG.: W 103.3577188
NAD 1927
X=802229 Y=404565
LAT.: N 32.1085046
LONG.: W 103.3572553
5' FSL 1929' 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 3:15:54 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

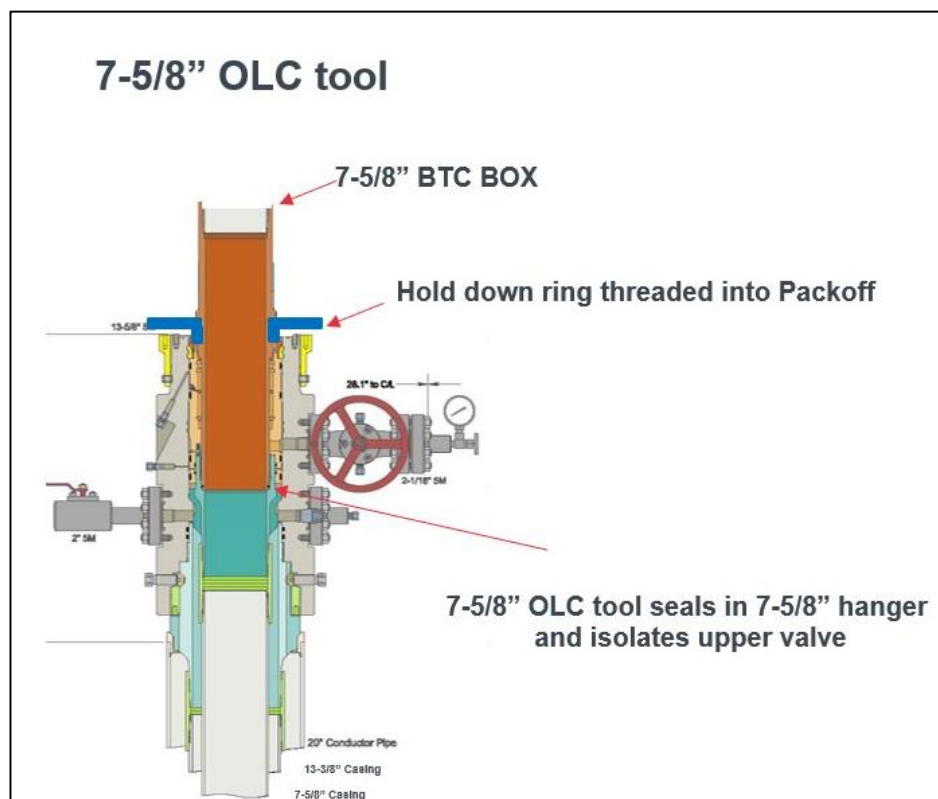


mid/base of the Brushy Canyon and stage 2 would be pumped as a standard bradenhead squeeze to the mid/base of Brushy Canyon (as described above), thus cementing the entire string. To verify the TOC of stage 2, and Echo-meter will be used and with BLM approval, top out the job as needed.

- 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 Casing/Cement/Mud Tables – Revised for Sundry

4/3/2025

- Junior Mint Fed 132, 3BSS Target

Estimated Tops

Formation	TVD	MD	Lithologies	Bearing
Quaternary Deposits	0	0	Surface	None
Rustler	660	660	Salt	Salt
Top Salt	1,100	1,100	Salt	Salt
Base Salt	4,920	4,958	Salt	Salt
DMG	5,160	5,207	Sandstone	None
Lamar	5,165	5,212	Sandstone	Hydrocarbons
Bell Canyon	5,185	5,232	Sandstone	Hydrocarbons
Ramsey Sand	5,208	5,255	Sandstone	Hydrocarbons
Cherry Canyon	6,150	6,197	Limestone	Hydrocarbons
Brushy Canyon	7,620	7,667	Sandstone	Hydrocarbons
Bone Spring Lime	8,930	8,977	Carbonate	Hydrocarbons
Upper Avalon	8,955	9,002	Carbonate	Hydrocarbons
Middle Avalon	9,185	9,232	Carbonate	Hydrocarbons
1st BS Sand	10,165	10,212	Sandstone	Hydrocarbons
2nd BS Carb	10,330	10,377	Carbonate	Hydrocarbons
2nd BS Sand	10,715	10,762	Sandstone	Hydrocarbons
3rd BS Carb	11,265	11,312	Carbonate	Hydrocarbons
3rd BS Sand	11,895	11,942	Sandstone	Hydrocarbons
KOP	11553	11599	Carbonate	Hydrocarbons
TD	12213	22429	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	11,499	7 5/8	API	No	0	11,499	0	11,353	P-110	29.7	BTC	1.13	1.15	1.6
Production	6 3/4	11,499	11,599	5 1/2	NON API	No	0	11,599	0	11,553	P110RYS	23	Talon	1.13	1.15	1.6
	6 3/4	11,599	22,429	5 1/2	NON API	No	11,599	22,429	11,553	12,213	P110RY	23	Talon	1.13	1.15	1.6

Cement Volumes:

Name	Type	Top MD	Sacks	Yield	Cu. Ft	Weight	Excess	Cement	Additives
Surface	Lead	0	391	1.72	673	13.5	100%	C	Additives + LCM
	Tail	775	196	1.33	260	14.8	100%	C	Additives + LCM
Intermediate	Lead	0	1030	4.29	4417	10.5	200%	C	Contingency Bradenhead Squeeze, LCM Lead
	Tail	10499	129	1.67	215	13.2	100%	C	Additives + LCM
Production	Tail	10999	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	11,499	DBE	9.20	27-30	NC
Production	11,499	22,429	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

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

UNCONTROLLED

Notes

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

Legal Notice

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U. S. Steel Tubular Products

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

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

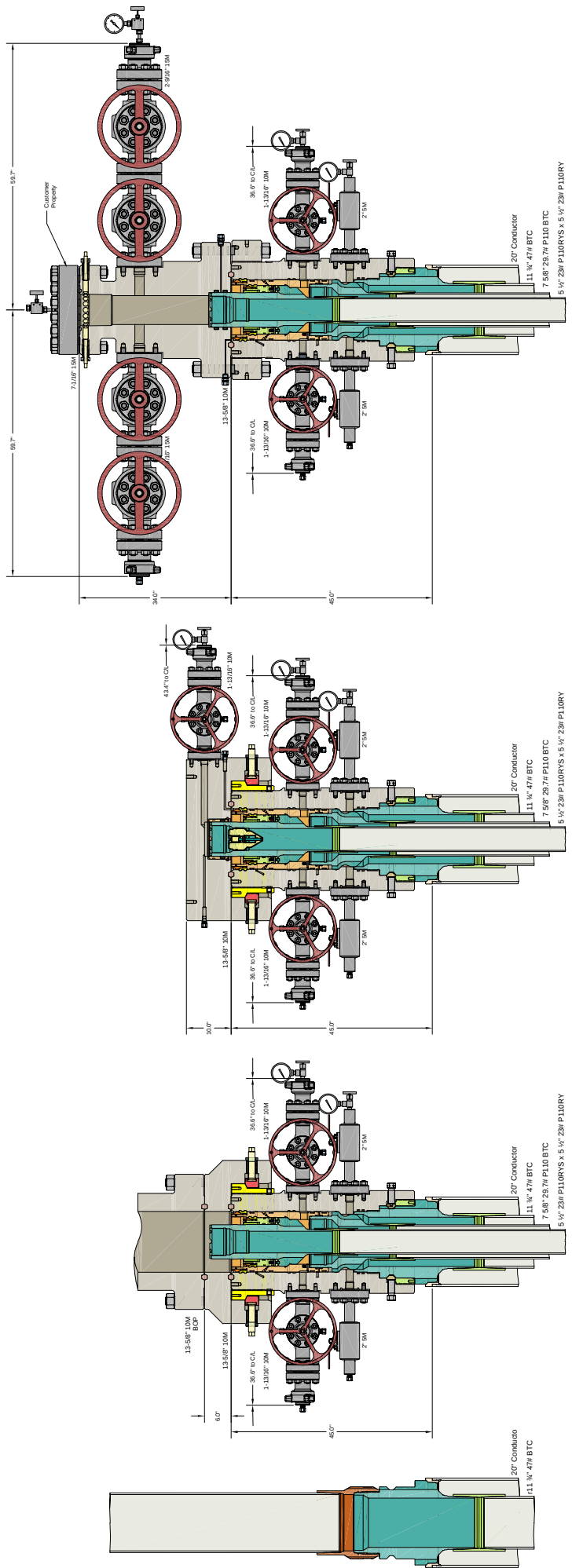
UNCONTROLLED

Notes

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

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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
		APPRV	13FEB25
		DRAWING NO.	REF: HBE0001444

Project: Lea County, NM (NAD 83)
 Site: Junior Mint Fed Pad
 Well: Junior Mint Fed 132H
 Wellbore: OH
 Design: Plan 1
 Rig: 26' KB



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

Total Magnetic Correction: 5.55°

PROJECT DETAILS: Lea County, NM (NAD 83)

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

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

SHL

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

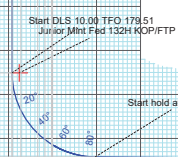
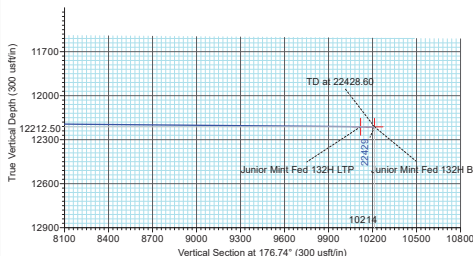
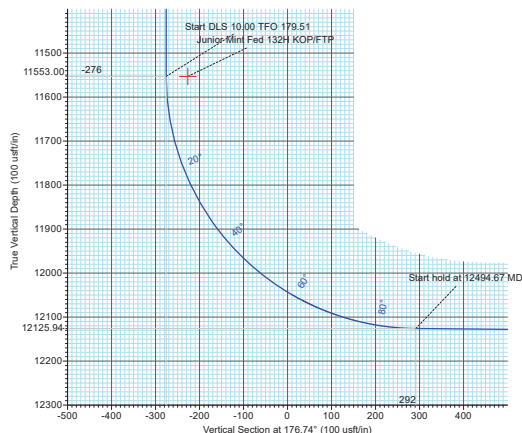
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	414820.00	842835.00	32.1366712	-103.3592962	

SECTION DETAILS

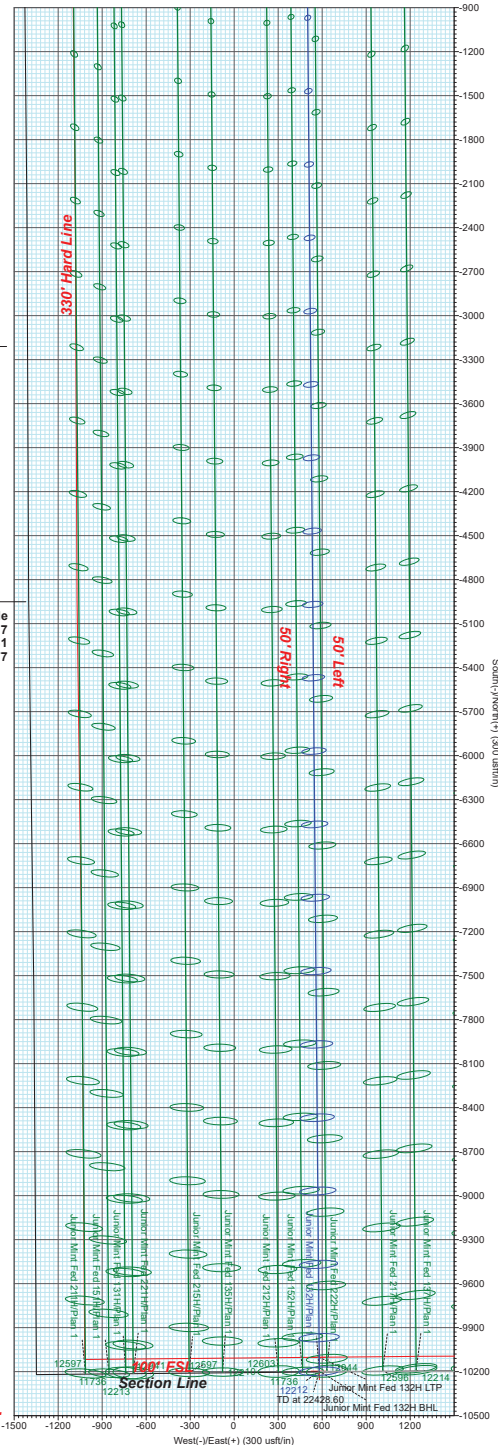
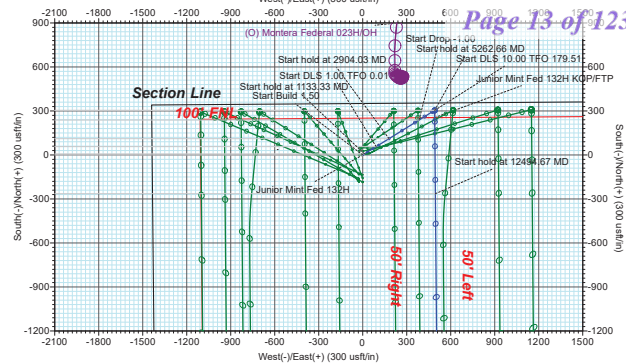
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	
1133.33	5.00	58.20	1132.91	7.66	12.35	1.50	58.20	-6.94	
2204.50	5.00	58.20	2200.00	56.86	91.70	0.00	0.00	-51.55	
2904.03	12.00	58.20	2891.42	111.29	179.50	1.00	0.01	-100.90	
4063.13	12.00	58.20	4025.21	238.21	384.25	0.00	0.00	-215.98	
5262.66	0.00	0.00	5216.00	304.13	490.58	1.00	180.00	-275.74	
11599.66	0.00	0.00	11553.00	304.13	490.58	0.00	0.00	-275.74	
12494.67	89.50	179.51	12125.94	-263.81	495.47	10.00	179.51	291.56	
22428.60	89.50	179.51	12212.50	-10197.00	581.00	0.00	0.00	10213.54	

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Junior Mint Fed 132H KOP/FTP	11553.00	255.00	491.00	415075.00	843326.00	32.1373599	-103.3577027
Junior Mint Fed 132H LTP	12212.00	-10102.00	580.00	404718.00	843415.00	32.1088909	-103.3577181
Junior Mint Fed 132H BHL	12212.50	-10197.00	581.00	404623.00	843416.00	32.1086298	-103.3577177



Do Not Cross SL



Civitas Resources

Lea County, NM (NAD 83)
Junior Mint Fed Pad
Junior Mint Fed 132H

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Well:	Junior Mint Fed 132H	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 132H					
Well Position	+N/-S	0.00 usft	Northing:	414,820.00 usft	Latitude:	32.1366712
	+E/-W	0.00 usft	Easting:	842,835.00 usft	Longitude:	-103.3592962
Position Uncertainty		0.50 usft	Wellhead Elevation:	usft	Ground Level:	3,220.00 usft
Grid Convergence:		0.52 °				

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

Design	Plan 1				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.00	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	176.74	

Survey Tool Program	Date	3/25/2025			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	22,428.60	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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Well:	Junior Mint Fed 132H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan 1	Database:	.Total Directional Production DB

Plan Summary

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,133.33	5.00	58.20	1,132.91	7.66	12.35	1.50	1.50	0.00	58.20	
2,204.50	5.00	58.20	2,200.00	56.86	91.70	0.00	0.00	0.00	0.00	
2,904.03	12.00	58.20	2,891.42	111.29	179.50	1.00	1.00	0.00	0.01	
4,063.13	12.00	58.20	4,025.21	238.21	384.25	0.00	0.00	0.00	0.00	
5,262.66	0.00	0.00	5,216.00	304.13	490.58	1.00	-1.00	0.00	180.00	
11,599.66	0.00	0.00	11,553.00	304.13	490.58	0.00	0.00	0.00	0.00	
12,494.67	89.50	179.51	12,125.94	-263.81	495.47	10.00	10.00	20.06	179.51	
22,428.60	89.50	179.51	12,212.50	-10,197.00	581.00	0.00	0.00	0.00	0.00	

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Geo Coordinates Latitude (°)	Geo Coordinates Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	414,820.00	842,835.00	32.1366712	-103.3592962	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	414,820.00	842,835.00	32.1366712	-103.3592962	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	414,820.00	842,835.00	32.1366712	-103.3592962	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	414,820.00	842,835.00	32.1366712	-103.3592962	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	414,820.00	842,835.00	32.1366712	-103.3592962	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	414,820.00	842,835.00	32.1366712	-103.3592962	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	414,820.00	842,835.00	32.1366712	-103.3592962	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	414,820.00	842,835.00	32.1366712	-103.3592962	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	414,820.00	842,835.00	32.1366712	-103.3592962	0.00	0.00	0.00	0.00
900.00	1.50	58.20	899.99	0.69	1.11	414,820.69	842,836.11	32.1366731	-103.3592926	-0.63	1.50	1.50	0.00
1,000.00	3.00	58.20	999.91	2.76	4.45	414,822.76	842,839.45	32.1366787	-103.3592817	-2.50	1.50	1.50	0.00
1,100.00	4.50	58.20	1,099.69	6.20	10.01	414,826.20	842,845.01	32.1366880	-103.3592637	-5.63	1.50	1.50	0.00
1,133.33	5.00	58.20	1,132.91	7.66	12.35	414,827.66	842,847.35	32.1366920	-103.3592561	-6.94	1.50	1.50	0.00
1,200.00	5.00	58.20	1,199.32	10.72	17.29	414,830.72	842,852.29	32.1367003	-103.3592400	-9.72	0.00	0.00	0.00
1,300.00	5.00	58.20	1,298.94	15.31	24.70	414,835.31	842,859.70	32.1367127	-103.3592160	-13.88	0.00	0.00	0.00
1,400.00	5.00	58.20	1,398.56	19.91	32.11	414,839.91	842,867.11	32.1367251	-103.3591919	-18.05	0.00	0.00	0.00
1,500.00	5.00	58.20	1,498.18	24.50	39.51	414,844.50	842,874.51	32.1367376	-103.3591678	-22.21	0.00	0.00	0.00
1,600.00	5.00	58.20	1,597.80	29.09	46.92	414,849.09	842,881.92	32.1367500	-103.3591438	-26.38	0.00	0.00	0.00
1,700.00	5.00	58.20	1,697.42	33.68	54.33	414,853.68	842,889.33	32.1367625	-103.3591197	-30.54	0.00	0.00	0.00
1,800.00	5.00	58.20	1,797.04	38.28	61.74	414,858.28	842,896.74	32.1367749	-103.3590956	-34.70	0.00	0.00	0.00
1,900.00	5.00	58.20	1,896.66	42.87	69.14	414,862.87	842,904.14	32.1367873	-103.3590716	-38.87	0.00	0.00	0.00
2,000.00	5.00	58.20	1,996.28	47.46	76.55	414,867.46	842,911.55	32.1367998	-103.3590475	-43.03	0.00	0.00	0.00
2,100.00	5.00	58.20	2,095.90	52.06	83.96	414,872.06	842,918.96	32.1368122	-103.3590235	-47.20	0.00	0.00	0.00
2,204.50	5.00	58.20	2,200.00	56.86	91.70	414,876.86	842,926.70	32.1368252	-103.3589983	-51.55	0.00	0.00	0.00

Total Directional Planned Survey Report



Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Well:	Junior Mint Fed 132H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan 1	Database:	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,300.00	5.96	58.20	2,295.06	61.66	99.45	414,881.66	842,934.45	32.1368382	-103.3589732	-55.90	1.00	1.00	0.00
2,400.00	6.96	58.20	2,394.43	67.58	109.00	414,887.58	842,944.00	32.1368543	-103.3589421	-61.27	1.00	1.00	0.00
2,500.00	7.96	58.20	2,493.58	74.42	120.03	414,894.42	842,955.03	32.1368728	-103.3589063	-67.47	1.00	1.00	0.00
2,600.00	8.96	58.20	2,592.49	82.17	132.52	414,902.17	842,967.52	32.1368938	-103.3588657	-74.50	1.00	1.00	0.00
2,700.00	9.96	58.20	2,691.13	90.82	146.49	414,910.82	842,981.49	32.1369172	-103.3588203	-82.34	1.00	1.00	0.00
2,800.00	10.96	58.20	2,789.47	100.38	161.91	414,920.38	842,996.91	32.1369431	-103.3587702	-91.01	1.00	1.00	0.00
2,904.03	12.00	58.20	2,891.42	111.29	179.50	414,931.29	843,014.50	32.1369726	-103.3587131	-100.90	1.00	1.00	0.00
3,000.00	12.00	58.20	2,985.30	121.80	196.45	414,941.80	843,031.45	32.1370011	-103.3586580	-110.43	0.00	0.00	0.00
3,100.00	12.00	58.20	3,083.11	132.75	214.12	414,952.75	843,049.12	32.1370308	-103.3586007	-120.36	0.00	0.00	0.00
3,200.00	12.00	58.20	3,180.93	143.70	231.78	414,963.70	843,066.78	32.1370604	-103.3585433	-130.28	0.00	0.00	0.00
3,300.00	12.00	58.20	3,278.75	154.65	249.44	414,974.65	843,084.44	32.1370901	-103.3584859	-140.21	0.00	0.00	0.00
3,400.00	12.00	58.20	3,376.56	165.60	267.11	414,985.60	843,102.11	32.1371197	-103.3584285	-150.14	0.00	0.00	0.00
3,500.00	12.00	58.20	3,474.38	176.55	284.77	414,996.55	843,119.77	32.1371494	-103.3583711	-160.07	0.00	0.00	0.00
3,600.00	12.00	58.20	3,572.20	187.50	302.44	415,007.50	843,137.44	32.1371791	-103.3583138	-170.00	0.00	0.00	0.00
3,700.00	12.00	58.20	3,670.01	198.45	320.10	415,018.45	843,155.10	32.1372087	-103.3582564	-179.92	0.00	0.00	0.00
3,800.00	12.00	58.20	3,767.83	209.40	337.77	415,029.40	843,172.77	32.1372384	-103.3581990	-189.85	0.00	0.00	0.00
3,900.00	12.00	58.20	3,865.64	220.35	355.43	415,040.35	843,190.43	32.1372680	-103.3581416	-199.78	0.00	0.00	0.00
4,000.00	12.00	58.20	3,963.46	231.30	373.10	415,051.30	843,208.10	32.1372977	-103.3580842	-209.71	0.00	0.00	0.00
4,063.13	12.00	58.20	4,025.21	238.21	384.25	415,058.21	843,219.25	32.1373164	-103.3580480	-215.98	0.00	0.00	0.00
4,100.00	11.63	58.20	4,061.30	242.19	390.66	415,062.19	843,225.66	32.1373272	-103.3580272	-219.58	1.00	-1.00	0.00
4,200.00	10.63	58.20	4,159.42	252.36	407.06	415,072.36	843,242.06	32.1373547	-103.3579739	-228.80	1.00	-1.00	0.00
4,300.00	9.63	58.20	4,257.86	261.62	422.01	415,081.62	843,257.01	32.1373798	-103.3579253	-237.20	1.00	-1.00	0.00
4,400.00	8.63	58.20	4,356.59	269.98	435.49	415,089.98	843,270.49	32.1374024	-103.3578816	-244.78	1.00	-1.00	0.00
4,500.00	7.63	58.20	4,455.59	277.43	447.50	415,097.43	843,282.50	32.1374226	-103.3578425	-251.53	1.00	-1.00	0.00
4,600.00	6.63	58.20	4,554.82	283.96	458.05	415,103.96	843,293.05	32.1374403	-103.3578083	-257.45	1.00	-1.00	0.00
4,700.00	5.63	58.20	4,654.24	289.59	467.12	415,109.59	843,302.12	32.1374555	-103.3577788	-262.55	1.00	-1.00	0.00
4,800.00	4.63	58.20	4,753.84	294.29	474.71	415,114.29	843,309.71	32.1374683	-103.3577541	-266.82	1.00	-1.00	0.00
4,900.00	3.63	58.20	4,853.58	298.08	480.83	415,118.08	843,315.83	32.1374786	-103.3577343	-270.26	1.00	-1.00	0.00
5,000.00	2.63	58.20	4,953.43	300.96	485.46	415,120.96	843,320.46	32.1374863	-103.3577192	-272.86	1.00	-1.00	0.00
5,100.00	1.63	58.20	5,053.36	302.91	488.62	415,122.91	843,323.62	32.1374916	-103.3577090	-274.64	1.00	-1.00	0.00
5,200.00	0.63	58.20	5,153.34	303.95	490.29	415,123.95	843,325.29	32.1374944	-103.3577035	-275.58	1.00	-1.00	0.00
5,262.66	0.00	0.00	5,216.00	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	1.00	-1.00	0.00
5,300.00	0.00	0.00	5,253.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
5,400.00	0.00	0.00	5,353.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
5,500.00	0.00	0.00	5,453.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
5,600.00	0.00	0.00	5,553.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
5,700.00	0.00	0.00	5,653.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00

Total Directional Planned Survey Report



Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Well:	Junior Mint Fed 132H	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)
5,800.00	0.00	0.00	5,753.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
5,900.00	0.00	0.00	5,853.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
6,000.00	0.00	0.00	5,953.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
6,100.00	0.00	0.00	6,053.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
6,200.00	0.00	0.00	6,153.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
6,300.00	0.00	0.00	6,253.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
6,400.00	0.00	0.00	6,353.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
6,500.00	0.00	0.00	6,453.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
6,600.00	0.00	0.00	6,553.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
6,700.00	0.00	0.00	6,653.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
6,800.00	0.00	0.00	6,753.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
6,900.00	0.00	0.00	6,853.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
7,000.00	0.00	0.00	6,953.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
7,100.00	0.00	0.00	7,053.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
7,200.00	0.00	0.00	7,153.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
7,300.00	0.00	0.00	7,253.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
7,400.00	0.00	0.00	7,353.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
7,500.00	0.00	0.00	7,453.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
7,600.00	0.00	0.00	7,553.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
7,700.00	0.00	0.00	7,653.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
7,800.00	0.00	0.00	7,753.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
7,900.00	0.00	0.00	7,853.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
8,000.00	0.00	0.00	7,953.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
8,100.00	0.00	0.00	8,053.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
8,200.00	0.00	0.00	8,153.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
8,300.00	0.00	0.00	8,253.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
8,400.00	0.00	0.00	8,353.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
8,500.00	0.00	0.00	8,453.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
8,600.00	0.00	0.00	8,553.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
8,700.00	0.00	0.00	8,653.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
8,800.00	0.00	0.00	8,753.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
8,900.00	0.00	0.00	8,853.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
9,000.00	0.00	0.00	8,953.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
9,100.00	0.00	0.00	9,053.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
9,200.00	0.00	0.00	9,153.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
9,300.00	0.00	0.00	9,253.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
9,400.00	0.00	0.00	9,353.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
9,500.00	0.00	0.00	9,453.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00

Total Directional Planned Survey Report



Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Well:	Junior Mint Fed 132H	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)
9,600.00	0.00	0.00	9,553.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
9,700.00	0.00	0.00	9,653.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
9,800.00	0.00	0.00	9,753.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
9,900.00	0.00	0.00	9,853.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
10,000.00	0.00	0.00	9,953.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
10,100.00	0.00	0.00	10,053.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
10,200.00	0.00	0.00	10,153.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
10,300.00	0.00	0.00	10,253.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
10,400.00	0.00	0.00	10,353.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
10,500.00	0.00	0.00	10,453.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
10,600.00	0.00	0.00	10,553.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
10,700.00	0.00	0.00	10,653.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
10,800.00	0.00	0.00	10,753.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
10,900.00	0.00	0.00	10,853.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
11,000.00	0.00	0.00	10,953.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
11,100.00	0.00	0.00	11,053.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
11,200.00	0.00	0.00	11,153.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
11,300.00	0.00	0.00	11,253.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
11,400.00	0.00	0.00	11,353.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
11,500.00	0.00	0.00	11,453.34	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
11,599.66	0.00	0.00	11,553.00	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	0.00	0.00	0.00
11,601.82	0.22	179.51	11,555.16	304.13	490.58	415,124.13	843,325.58	32.1374949	-103.3577026	-275.74	10.00	10.00	0.00
Junior Mint Fed 132H KOP/FTP													
11,650.00	5.03	179.51	11,603.27	301.92	490.60	415,121.92	843,325.60	32.1374889	-103.3577026	-273.53	10.00	10.00	0.00
11,700.00	10.03	179.51	11,652.83	295.37	490.66	415,115.37	843,325.66	32.1374708	-103.3577026	-266.99	10.00	10.00	0.00
11,750.00	15.03	179.51	11,701.62	284.52	490.75	415,104.52	843,325.75	32.1374410	-103.3577026	-256.15	10.00	10.00	0.00
11,800.00	20.03	179.51	11,749.28	269.46	490.88	415,089.46	843,325.88	32.1373996	-103.3577026	-241.11	10.00	10.00	0.00
11,850.00	25.03	179.51	11,795.45	250.31	491.04	415,070.31	843,326.04	32.1373470	-103.3577027	-221.98	10.00	10.00	0.00
11,900.00	30.03	179.51	11,839.77	227.20	491.24	415,047.20	843,326.24	32.1372835	-103.3577027	-198.90	10.00	10.00	0.00
11,950.00	35.03	179.51	11,881.91	200.32	491.47	415,020.32	843,326.47	32.1372096	-103.3577027	-172.05	10.00	10.00	0.00
12,000.00	40.03	179.51	11,921.55	169.87	491.74	414,989.87	843,326.74	32.1371259	-103.3577028	-141.63	10.00	10.00	0.00
12,050.00	45.03	179.51	11,958.38	136.08	492.03	414,956.08	843,327.03	32.1370330	-103.3577028	-107.88	10.00	10.00	0.00
12,100.00	50.03	179.51	11,992.13	99.21	492.34	414,919.21	843,327.34	32.1369317	-103.3577029	-71.05	10.00	10.00	0.00
12,150.00	55.03	179.51	12,022.53	59.54	492.69	414,879.54	843,327.69	32.1368226	-103.3577029	-31.42	10.00	10.00	0.00
12,200.00	60.03	179.51	12,049.37	17.37	493.05	414,837.37	843,328.05	32.1367067	-103.3577030	10.70	10.00	10.00	0.00
12,250.00	65.03	179.51	12,072.42	-26.98	493.43	414,793.02	843,328.43	32.1365848	-103.3577031	55.00	10.00	10.00	0.00
12,300.00	70.03	179.51	12,091.52	-73.17	493.83	414,746.83	843,328.83	32.1364578	-103.3577031	101.13	10.00	10.00	0.00

Total Directional Planned Survey Report



Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Well:	Junior Mint Fed 132H	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)
12,350.00	75.03	179.51	12,106.52	-120.85	494.24	414,699.15	843,329.24	32.1363268	-103.3577032	148.76	10.00	10.00	0.00
12,400.00	80.03	179.51	12,117.31	-169.65	494.66	414,650.35	843,329.66	32.1361926	-103.3577033	197.51	10.00	10.00	0.00
12,450.00	85.03	179.51	12,123.81	-219.21	495.09	414,600.79	843,330.09	32.1360564	-103.3577033	247.01	10.00	10.00	0.00
12,494.67	89.50	179.51	12,125.94	-263.81	495.47	414,556.19	843,330.47	32.1359338	-103.3577034	291.56	10.00	10.00	0.00
12,500.00	89.50	179.51	12,125.98	-269.15	495.52	414,550.85	843,330.52	32.1359191	-103.3577034	296.89	0.00	0.00	0.00
12,600.00	89.50	179.51	12,126.85	-369.14	496.38	414,450.86	843,331.38	32.1356443	-103.3577036	396.77	0.00	0.00	0.00
12,700.00	89.50	179.51	12,127.73	-469.13	497.24	414,350.87	843,332.24	32.1353694	-103.3577037	496.65	0.00	0.00	0.00
12,800.00	89.50	179.51	12,128.60	-569.12	498.10	414,250.88	843,333.10	32.1350946	-103.3577039	596.53	0.00	0.00	0.00
12,900.00	89.50	179.51	12,129.47	-669.12	498.96	414,150.88	843,333.96	32.1348197	-103.3577040	696.41	0.00	0.00	0.00
13,000.00	89.50	179.51	12,130.34	-769.11	499.82	414,050.89	843,334.82	32.1345449	-103.3577041	796.29	0.00	0.00	0.00
13,100.00	89.50	179.51	12,131.21	-869.10	500.68	413,950.90	843,335.68	32.1342700	-103.3577043	896.17	0.00	0.00	0.00
13,200.00	89.50	179.51	12,132.08	-969.09	501.54	413,850.91	843,336.54	32.1339952	-103.3577044	996.05	0.00	0.00	0.00
13,300.00	89.50	179.51	12,132.95	-1,069.09	502.40	413,750.91	843,337.40	32.1337203	-103.3577046	1,095.93	0.00	0.00	0.00
13,400.00	89.50	179.51	12,133.83	-1,169.08	503.27	413,650.92	843,338.27	32.1334454	-103.3577047	1,195.81	0.00	0.00	0.00
13,500.00	89.50	179.51	12,134.70	-1,269.07	504.13	413,550.93	843,339.13	32.1331706	-103.3577049	1,295.68	0.00	0.00	0.00
13,600.00	89.50	179.51	12,135.57	-1,369.06	504.99	413,450.94	843,339.99	32.1328957	-103.3577050	1,395.56	0.00	0.00	0.00
13,700.00	89.50	179.51	12,136.44	-1,469.06	505.85	413,350.94	843,340.85	32.1326209	-103.3577052	1,495.44	0.00	0.00	0.00
13,800.00	89.50	179.51	12,137.31	-1,569.05	506.71	413,250.95	843,341.71	32.1323460	-103.3577053	1,595.32	0.00	0.00	0.00
13,900.00	89.50	179.51	12,138.18	-1,669.04	507.57	413,150.96	843,342.57	32.1320712	-103.3577054	1,695.20	0.00	0.00	0.00
14,000.00	89.50	179.51	12,139.05	-1,769.03	508.43	413,050.97	843,343.43	32.1317963	-103.3577056	1,795.08	0.00	0.00	0.00
14,100.00	89.50	179.51	12,139.93	-1,869.03	509.29	412,950.97	843,344.29	32.1315215	-103.3577057	1,894.96	0.00	0.00	0.00
14,200.00	89.50	179.51	12,140.80	-1,969.02	510.15	412,850.98	843,345.15	32.1312466	-103.3577059	1,994.84	0.00	0.00	0.00
14,300.00	89.50	179.51	12,141.67	-2,069.01	511.01	412,750.99	843,346.01	32.1309717	-103.3577060	2,094.72	0.00	0.00	0.00
14,400.00	89.50	179.51	12,142.54	-2,169.00	511.87	412,651.00	843,346.87	32.1306969	-103.3577062	2,194.60	0.00	0.00	0.00
14,500.00	89.50	179.51	12,143.41	-2,269.00	512.74	412,551.00	843,347.74	32.1304220	-103.3577063	2,294.48	0.00	0.00	0.00
14,600.00	89.50	179.51	12,144.28	-2,368.99	513.60	412,451.01	843,348.60	32.1301472	-103.3577065	2,394.36	0.00	0.00	0.00
14,700.00	89.50	179.51	12,145.15	-2,468.98	514.46	412,351.02	843,349.46	32.1298723	-103.3577066	2,494.24	0.00	0.00	0.00
14,800.00	89.50	179.51	12,146.02	-2,568.97	515.32	412,251.03	843,350.32	32.1295975	-103.3577067	2,594.12	0.00	0.00	0.00
14,900.00	89.50	179.51	12,146.90	-2,668.97	516.18	412,151.03	843,351.18	32.1293226	-103.3577069	2,694.00	0.00	0.00	0.00
15,000.00	89.50	179.51	12,147.77	-2,768.96	517.04	412,051.04	843,352.04	32.1290478	-103.3577070	2,793.88	0.00	0.00	0.00
15,100.00	89.50	179.51	12,148.64	-2,868.95	517.90	411,951.05	843,352.90	32.1287729	-103.3577072	2,893.76	0.00	0.00	0.00
15,200.00	89.50	179.51	12,149.51	-2,968.94	518.76	411,851.06	843,353.76	32.1284980	-103.3577073	2,993.64	0.00	0.00	0.00
15,300.00	89.50	179.51	12,150.38	-3,068.94	519.62	411,751.06	843,354.62	32.1282232	-103.3577075	3,093.52	0.00	0.00	0.00
15,400.00	89.50	179.51	12,151.25	-3,168.93	520.48	411,651.07	843,355.48	32.1279483	-103.3577076	3,193.40	0.00	0.00	0.00
15,500.00	89.50	179.51	12,152.12	-3,268.92	521.35	411,551.08	843,356.35	32.1276735	-103.3577077	3,293.28	0.00	0.00	0.00
15,600.00	89.50	179.51	12,153.00	-3,368.91	522.21	411,451.09	843,357.21	32.1273986	-103.3577079	3,393.16	0.00	0.00	0.00
15,700.00	89.50	179.51	12,153.87	-3,468.91	523.07	411,351.09	843,358.07	32.1271238	-103.3577080	3,493.04	0.00	0.00	0.00
15,800.00	89.50	179.51	12,154.74	-3,568.90	523.93	411,251.10	843,358.93	32.1268489	-103.3577082	3,592.92	0.00	0.00	0.00

Total Directional Planned Survey Report



Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Well:	Junior Mint Fed 132H	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)
15,900.00	89.50	179.51	12,155.61	-3,668.89	524.79	411,151.11	843,359.79	32.1265741	-103.3577083	3,692.80	0.00	0.00	0.00
16,000.00	89.50	179.51	12,156.48	-3,768.88	525.65	411,051.12	843,360.65	32.1262992	-103.3577085	3,792.68	0.00	0.00	0.00
16,100.00	89.50	179.51	12,157.35	-3,868.88	526.51	410,951.12	843,361.51	32.1260243	-103.3577086	3,892.56	0.00	0.00	0.00
16,200.00	89.50	179.51	12,158.22	-3,968.87	527.37	410,851.13	843,362.37	32.1257495	-103.3577088	3,992.44	0.00	0.00	0.00
16,300.00	89.50	179.51	12,159.10	-4,068.86	528.23	410,751.14	843,363.23	32.1254746	-103.3577089	4,092.31	0.00	0.00	0.00
16,400.00	89.50	179.51	12,159.97	-4,168.85	529.09	410,651.15	843,364.09	32.1251998	-103.3577090	4,192.19	0.00	0.00	0.00
16,500.00	89.50	179.51	12,160.84	-4,268.85	529.96	410,551.15	843,364.96	32.1249249	-103.3577092	4,292.07	0.00	0.00	0.00
16,600.00	89.50	179.51	12,161.71	-4,368.84	530.82	410,451.16	843,365.82	32.1246501	-103.3577093	4,391.95	0.00	0.00	0.00
16,700.00	89.50	179.51	12,162.58	-4,468.83	531.68	410,351.17	843,366.68	32.1243752	-103.3577095	4,491.83	0.00	0.00	0.00
16,800.00	89.50	179.51	12,163.45	-4,568.82	532.54	410,251.18	843,367.54	32.1241004	-103.3577096	4,591.71	0.00	0.00	0.00
16,900.00	89.50	179.51	12,164.32	-4,668.82	533.40	410,151.18	843,368.40	32.1238255	-103.3577098	4,691.59	0.00	0.00	0.00
17,000.00	89.50	179.51	12,165.20	-4,768.81	534.26	410,051.19	843,369.26	32.1235506	-103.3577099	4,791.47	0.00	0.00	0.00
17,100.00	89.50	179.51	12,166.07	-4,868.80	535.12	409,951.20	843,370.12	32.1232758	-103.3577101	4,891.35	0.00	0.00	0.00
17,200.00	89.50	179.51	12,166.94	-4,968.79	535.98	409,851.21	843,370.98	32.1230009	-103.3577102	4,991.23	0.00	0.00	0.00
17,300.00	89.50	179.51	12,167.81	-5,068.79	536.84	409,751.21	843,371.84	32.1227261	-103.3577103	5,091.11	0.00	0.00	0.00
17,400.00	89.50	179.51	12,168.68	-5,168.78	537.70	409,651.22	843,372.70	32.1224512	-103.3577105	5,190.99	0.00	0.00	0.00
17,500.00	89.50	179.51	12,169.55	-5,268.77	538.57	409,551.23	843,373.57	32.1221764	-103.3577106	5,290.87	0.00	0.00	0.00
17,600.00	89.50	179.51	12,170.42	-5,368.76	539.43	409,451.24	843,374.43	32.1219015	-103.3577108	5,390.75	0.00	0.00	0.00
17,700.00	89.50	179.51	12,171.30	-5,468.76	540.29	409,351.24	843,375.29	32.1216266	-103.3577109	5,490.63	0.00	0.00	0.00
17,800.00	89.50	179.51	12,172.17	-5,568.75	541.15	409,251.25	843,376.15	32.1213518	-103.3577111	5,590.51	0.00	0.00	0.00
17,900.00	89.50	179.51	12,173.04	-5,668.74	542.01	409,151.26	843,377.01	32.1210769	-103.3577112	5,690.39	0.00	0.00	0.00
18,000.00	89.50	179.51	12,173.91	-5,768.73	542.87	409,051.27	843,377.87	32.1208021	-103.3577113	5,790.27	0.00	0.00	0.00
18,100.00	89.50	179.51	12,174.78	-5,868.73	543.73	408,951.27	843,378.73	32.1205272	-103.3577115	5,890.15	0.00	0.00	0.00
18,200.00	89.50	179.51	12,175.65	-5,968.72	544.59	408,851.28	843,379.59	32.1202524	-103.3577116	5,990.03	0.00	0.00	0.00
18,300.00	89.50	179.51	12,176.52	-6,068.71	545.45	408,751.29	843,380.45	32.1199775	-103.3577118	6,089.91	0.00	0.00	0.00
18,400.00	89.50	179.51	12,177.40	-6,168.70	546.31	408,651.30	843,381.31	32.1197027	-103.3577119	6,189.79	0.00	0.00	0.00
18,500.00	89.50	179.51	12,178.27	-6,268.70	547.18	408,551.30	843,382.18	32.1194278	-103.3577121	6,289.67	0.00	0.00	0.00
18,600.00	89.50	179.51	12,179.14	-6,368.69	548.04	408,451.31	843,383.04	32.1191529	-103.3577122	6,389.55	0.00	0.00	0.00
18,700.00	89.50	179.51	12,180.01	-6,468.68	548.90	408,351.32	843,383.90	32.1188781	-103.3577123	6,489.43	0.00	0.00	0.00
18,800.00	89.50	179.51	12,180.88	-6,568.67	549.76	408,251.33	843,384.76	32.1186032	-103.3577125	6,589.31	0.00	0.00	0.00
18,900.00	89.50	179.51	12,181.75	-6,668.67	550.62	408,151.33	843,385.62	32.1183284	-103.3577126	6,689.19	0.00	0.00	0.00
19,000.00	89.50	179.51	12,182.62	-6,768.66	551.48	408,051.34	843,386.48	32.1180535	-103.3577128	6,789.07	0.00	0.00	0.00
19,100.00	89.50	179.51	12,183.49	-6,868.65	552.34	407,951.35	843,387.34	32.1177787	-103.3577129	6,888.95	0.00	0.00	0.00
19,200.00	89.50	179.51	12,184.37	-6,968.64	553.20	407,851.36	843,388.20	32.1175038	-103.3577131	6,988.82	0.00	0.00	0.00
19,300.00	89.50	179.51	12,185.24	-7,068.64	554.06	407,751.36	843,389.06	32.1172290	-103.3577132	7,088.70	0.00	0.00	0.00
19,400.00	89.50	179.51	12,186.11	-7,168.63	554.92	407,651.37	843,389.92	32.1169541	-103.3577133	7,188.58	0.00	0.00	0.00
19,500.00	89.50	179.51	12,186.98	-7,268.62	555.79	407,551.38	843,390.79	32.1166792	-103.3577135	7,288.46	0.00	0.00	0.00

Total Directional Planned Survey Report



Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Well:	Junior Mint Fed 132H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan 1	Database:	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,600.00	89.50	179.51	12,187.85	-7,368.61	556.65	407,451.39	843,391.65	32.1164044	-103.3577136	7,388.34	0.00	0.00	0.00
19,700.00	89.50	179.51	12,188.72	-7,468.61	557.51	407,351.40	843,392.51	32.1161295	-103.3577138	7,488.22	0.00	0.00	0.00
19,800.00	89.50	179.51	12,189.59	-7,568.60	558.37	407,251.40	843,393.37	32.1158547	-103.3577139	7,588.10	0.00	0.00	0.00
19,900.00	89.50	179.51	12,190.47	-7,668.59	559.23	407,151.41	843,394.23	32.1155798	-103.3577141	7,687.98	0.00	0.00	0.00
20,000.00	89.50	179.51	12,191.34	-7,768.58	560.09	407,051.42	843,395.09	32.1153050	-103.3577142	7,787.86	0.00	0.00	0.00
20,100.00	89.50	179.51	12,192.21	-7,868.58	560.95	406,951.43	843,395.95	32.1150301	-103.3577143	7,887.74	0.00	0.00	0.00
20,200.00	89.50	179.51	12,193.08	-7,968.57	561.81	406,851.43	843,396.81	32.1147552	-103.3577145	7,987.62	0.00	0.00	0.00
20,300.00	89.50	179.51	12,193.95	-8,068.56	562.67	406,751.44	843,397.67	32.1144804	-103.3577146	8,087.50	0.00	0.00	0.00
20,400.00	89.50	179.51	12,194.82	-8,168.55	563.53	406,651.45	843,398.53	32.1142055	-103.3577148	8,187.38	0.00	0.00	0.00
20,500.00	89.50	179.51	12,195.69	-8,268.55	564.40	406,551.46	843,399.40	32.1139307	-103.3577149	8,287.26	0.00	0.00	0.00
20,600.00	89.50	179.51	12,196.57	-8,368.54	565.26	406,451.46	843,400.26	32.1136558	-103.3577151	8,387.14	0.00	0.00	0.00
20,700.00	89.50	179.51	12,197.44	-8,468.53	566.12	406,351.47	843,401.12	32.1133810	-103.3577152	8,487.02	0.00	0.00	0.00
20,800.00	89.50	179.51	12,198.31	-8,568.52	566.98	406,251.48	843,401.98	32.1131061	-103.3577153	8,586.90	0.00	0.00	0.00
20,900.00	89.50	179.51	12,199.18	-8,668.52	567.84	406,151.49	843,402.84	32.1128313	-103.3577155	8,686.78	0.00	0.00	0.00
21,000.00	89.50	179.51	12,200.05	-8,768.51	568.70	406,051.49	843,403.70	32.1125564	-103.3577156	8,786.66	0.00	0.00	0.00
21,100.00	89.50	179.51	12,200.92	-8,868.50	569.56	405,951.50	843,404.56	32.1122815	-103.3577158	8,886.54	0.00	0.00	0.00
21,200.00	89.50	179.51	12,201.79	-8,968.49	570.42	405,851.51	843,405.42	32.1120067	-103.3577159	8,986.42	0.00	0.00	0.00
21,300.00	89.50	179.51	12,202.67	-9,068.49	571.28	405,751.52	843,406.28	32.1117318	-103.3577161	9,086.30	0.00	0.00	0.00
21,400.00	89.50	179.51	12,203.54	-9,168.48	572.14	405,651.52	843,407.14	32.1114570	-103.3577162	9,186.18	0.00	0.00	0.00
21,500.00	89.50	179.51	12,204.41	-9,268.47	573.00	405,551.53	843,408.00	32.1111821	-103.3577163	9,286.06	0.00	0.00	0.00
21,600.00	89.50	179.51	12,205.28	-9,368.46	573.87	405,451.54	843,408.87	32.1109073	-103.3577165	9,385.94	0.00	0.00	0.00
21,700.00	89.50	179.51	12,206.15	-9,468.46	574.73	405,351.55	843,409.73	32.1106324	-103.3577166	9,485.82	0.00	0.00	0.00
21,800.00	89.50	179.51	12,207.02	-9,568.45	575.59	405,251.55	843,410.59	32.1103575	-103.3577168	9,585.70	0.00	0.00	0.00
21,900.00	89.50	179.51	12,207.89	-9,668.44	576.45	405,151.56	843,411.45	32.1100827	-103.3577169	9,685.58	0.00	0.00	0.00
22,000.00	89.50	179.51	12,208.77	-9,768.43	577.31	405,051.57	843,412.31	32.1098078	-103.3577171	9,785.45	0.00	0.00	0.00
22,100.00	89.50	179.51	12,209.64	-9,868.43	578.17	404,951.58	843,413.17	32.1095330	-103.3577172	9,885.33	0.00	0.00	0.00
22,200.00	89.50	179.51	12,210.51	-9,968.42	579.03	404,851.58	843,414.03	32.1092581	-103.3577173	9,985.21	0.00	0.00	0.00
22,300.00	89.50	179.51	12,211.38	-10,068.41	579.89	404,751.59	843,414.89	32.1089833	-103.3577175	10,085.09	0.00	0.00	0.00
22,333.59	89.50	179.51	12,211.67	-10,102.00	580.18	404,718.00	843,415.18	32.1088909	-103.3577175	10,118.65	0.00	0.00	0.00
Junior Mint Fed 132H LTP													
22,400.00	89.50	179.51	12,212.25	-10,168.40	580.75	404,651.60	843,415.75	32.1087084	-103.3577176	10,184.97	0.00	0.00	0.00
22,428.60	89.50	179.51	12,212.50	-10,197.00	581.00	404,623.00	843,416.00	32.1086298	-103.3577177	10,213.54	0.00	0.00	0.00
Junior Mint Fed 132H BHL													

Total Directional
Planned Survey Report



Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Well:	Junior Mint Fed 132H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan 1	Database:	.Total Directional Production DB

Design Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
Junior Mint Fed 132H	0.00	0.00	11,553.00	255.00	491.00	415,075.00	843,326.00	32.1373599	-103.3577027
- plan misses target center by 49.13usft at 11599.75usft MD (11553.09 TVD, 304.13 N, 490.58 E)									
- Point									
Junior Mint Fed 132H	0.00	0.00	12,212.00	-10,102.00	580.00	404,718.00	843,415.00	32.1088909	-103.3577181
- plan misses target center by 0.38usft at 22333.59usft MD (12211.67 TVD, -10102.00 N, 580.18 E)									
- Point									
Junior Mint Fed 132H	0.00	0.00	12,212.50	-10,197.00	581.00	404,623.00	843,416.00	32.1086298	-103.3577177
- plan hits target center									
- Point									

Checked By: _____ Approved By: _____ Date: _____

Civitas Resources

Lea County, NM (NAD 83)
Junior Mint Fed Pad
Junior Mint Fed 132H

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	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 132H					
Well Position	+N/-S	0.00 usft	Northing:	414,820.00 usft	Latitude:	32.1366712
	+E/-W	0.00 usft	Easting:	842,835.00 usft	Longitude:	-103.3592962
Position Uncertainty		0.50 usft	Wellhead Elevation:	usft	Ground Level:	3,220.00 usft
Grid Convergence:		0.52 °				

Survey Tool Program		Date	3/24/2025	
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	22,427.88	Plan 1 (OH)	MWD+HRGM+SAG+FDIF OWSG	MWD + HRGM + SAG + FDIR Correction

Offset Listing								
Site Name	Ground LevelKB Height		Map Coordinates		Geographical Coordinates		Surface Uncertainty	
Offset Well			Northing	Easting	Latitude	Longitude	Site	Well
Civitas Resources - Junior Mint Fed Pad								
(O) Montera Federal 023H -	3,221.00	3,250.00	415,363.56	843,044.05	32.1381600	-103.3586050	0.00	0.00
Junior Mint Fed 131H -	3,221.00	3,247.00	414,635.00	842,835.00	32.1361627	-103.3593016	0.00	0.50
Junior Mint Fed 133H -	3,223.00	3,249.00	415,726.00	845,129.00	32.1391042	-103.3518593	0.00	0.50
Junior Mint Fed 134H -	3,221.00	3,247.00	415,566.00	845,129.00	32.1386644	-103.3518640	0.00	0.50
Junior Mint Fed 135H -	3,220.00	3,246.00	414,660.00	842,835.00	32.1362315	-103.3593009	0.00	0.50
Junior Mint Fed 137H -	3,220.00	3,246.00	414,845.00	842,835.00	32.1367399	-103.3592955	0.00	0.50
Junior Mint Fed 151H -	3,221.00	3,247.00	414,685.00	842,835.00	32.1363002	-103.3593001	0.00	0.50
Junior Mint Fed 152H -	3,220.00	3,246.00	414,870.00	842,835.00	32.1368087	-103.3592947	0.00	0.50
Junior Mint Fed 156H -	3,223.00	3,249.00	415,701.00	845,129.00	32.1390354	-103.3518600	0.00	0.50
Junior Mint Fed 211H -	3,221.00	3,247.00	414,660.00	842,810.00	32.1362321	-103.3593816	0.00	0.50
Junior Mint Fed 212H -	3,220.00	3,246.00	414,845.00	842,810.00	32.1367406	-103.3593762	0.00	0.50
Junior Mint Fed 213H -	3,222.00	3,248.00	415,701.00	845,154.00	32.1390348	-103.3517793	0.00	0.50
Junior Mint Fed 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 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

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Separation Factor	Warning
Junior Mint Fed Pad						
(O) Montera Federal 023H - OH - OH	10,118.58	10,080.47	308.39	257.46	6.06	CC
(O) Montera Federal 023H - OH - OH	10,200.00	10,159.13	308.71	257.44	6.02	ES
(O) Montera Federal 023H - OH - OH	11,000.00	10,955.84	320.13	265.45	5.85	SF
Junior Mint Fed 131H - OH - Plan 1	800.00	801.00	185.00	178.20	27.19	CC, ES
Junior Mint Fed 131H - OH - Plan 1	22,428.60	22,484.79	1,320.05	1,040.40	4.72	SF
Junior Mint Fed 133H - OH - Plan 1	12,610.44	12,561.66	1,377.72	1,338.37	35.01	CC
Junior Mint Fed 133H - OH - Plan 1	22,428.60	22,379.08	1,383.03	1,090.37	4.73	ES, SF
Junior Mint Fed 134H - OH - Plan 1	4,772.98	4,601.76	2,052.52	2,031.33	96.90	CC
Junior Mint Fed 134H - OH - Plan 1	22,428.60	22,333.44	2,094.29	1,803.58	7.20	ES, SF
Junior Mint Fed 135H - OH - Plan 1	1,741.57	1,754.36	152.44	141.95	14.53	CC, ES
Junior Mint Fed 135H - OH - Plan 1	22,428.60	22,411.31	660.03	380.38	2.36	SF
Junior Mint Fed 137H - OH - Plan 1	300.00	300.00	25.00	21.04	6.31	CC
Junior Mint Fed 137H - OH - Plan 1	400.00	399.82	25.34	20.68	5.44	ES
Junior Mint Fed 137H - OH - Plan 1	22,428.60	22,512.90	660.04	377.60	2.34	SF
Junior Mint Fed 151H - OH - Plan 1	924.28	928.83	128.62	121.33	17.66	CC, ES
Junior Mint Fed 151H - OH - Plan 1	22,428.60	22,008.51	1,511.16	1,242.65	5.63	SF
Junior Mint Fed 152H - OH - Plan 1	300.00	300.00	50.00	46.04	12.62	CC
Junior Mint Fed 152H - OH - Plan 1	4,172.87	4,162.82	59.21	38.88	2.91	ES
Junior Mint Fed 152H - OH - Plan 1	4,200.00	4,189.70	59.33	38.92	2.91	SF
Junior Mint Fed 156H - OH - Plan 1	11,006.44	11,019.16	1,541.01	1,509.50	48.91	CC
Junior Mint Fed 156H - OH - Plan 1	22,428.60	21,915.81	1,644.13	1,366.02	5.91	ES, SF
Junior Mint Fed 211H - OH - Plan 1	820.91	823.73	157.44	150.64	23.16	CC, ES
Junior Mint Fed 211H - OH - Plan 1	22,428.60	22,892.65	1,640.68	1,367.38	6.00	SF
Junior Mint Fed 212H - OH - Plan 1	800.00	800.00	35.36	28.55	5.20	CC
Junior Mint Fed 212H - OH - Plan 1	900.00	899.99	35.68	28.43	4.92	ES
Junior Mint Fed 212H - OH - Plan 1	22,428.60	22,792.78	479.68	290.72	2.54	SF
Junior Mint Fed 213H - OH - Plan 1	11,644.62	11,713.39	1,047.00	1,012.87	30.67	CC
Junior Mint Fed 213H - OH - Plan 1	22,428.60	22,821.46	1,091.30	807.88	3.85	ES, SF
Junior Mint Fed 214H - OH - Plan 1	4,561.69	4,302.36	2,250.59	2,229.00	104.24	CC
Junior Mint Fed 214H - OH - Plan 1	22,428.60	22,702.02	2,383.81	2,094.88	8.25	ES, SF
Junior Mint Fed 215H - OH - Plan 1	943.43	948.84	118.05	110.60	15.85	CC, ES
Junior Mint Fed 215H - OH - Plan 1	22,428.60	22,803.04	967.58	706.64	3.71	SF
Junior Mint Fed 216H - OH - Plan 1	11,656.00	11,643.33	1,757.01	1,724.80	54.55	CC
Junior Mint Fed 216H - OH - Plan 1	22,428.60	22,712.76	1,782.24	1,491.71	6.13	ES, SF
Junior Mint Fed 217H - OH - Plan 1	2,135.71	2,138.22	26.20	14.24	2.19	CC
Junior Mint Fed 217H - OH - Plan 1	2,200.00	2,202.43	26.40	14.19	2.16	ES
Junior Mint Fed 217H - OH - Plan 1	2,400.00	2,403.56	27.71	14.83	2.15	SF
Junior Mint Fed 221H - OH - Plan 1	1,069.45	1,080.07	181.66	173.66	22.69	CC, ES
Junior Mint Fed 221H - OH - Plan 1	22,428.60	23,186.00	1,463.37	1,214.85	5.89	SF
Junior Mint Fed 222H - OH - Plan 1	800.00	800.00	25.00	18.20	3.68	CC, ES
Junior Mint Fed 222H - OH - Plan 1	4,962.81	4,973.73	56.52	32.88	2.39	SF
Junior Mint Fed 223H - OH - Plan 1	11,648.59	11,678.63	1,276.00	1,242.18	37.73	CC
Junior Mint Fed 223H - OH - Plan 1	11,650.00	11,680.04	1,276.00	1,242.18	37.73	ES
Junior Mint Fed 223H - OH - Plan 1	22,428.60	23,127.54	1,519.89	1,249.40	5.62	SF

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

Survey Program: 100-3_Gyro-NS-CT_OWSG, 11638-3_MWD

Offset Site Error: 0.00 usft

Reference Measured Depth (usft)	Offset Measured Depth (usft)	Semi Major Axis Reference Offset (usft)	Highside Toolface (°)
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Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)
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Rule Assigned:

Offset Well Error: 0.00 usft

Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
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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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

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

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

Survey Program: 100-3_Gyro-NS-CT_OWSG, 11638-3_MWD							Rule Assigned:			Offset Well Error:		0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance			Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	
0.00	0.00	4.10	4.10	0.50	0.01	21.04	543.56	209.06	582.37			
100.00	100.00	106.59	106.59	0.98	0.15	21.04	543.33	208.96	582.13	581.00	1.13	515.741
200.00	200.00	206.41	206.41	1.56	0.50	21.04	542.98	208.86	581.77	579.71	2.06	282.600
300.00	300.00	307.56	307.56	1.98	0.85	21.04	542.51	208.64	581.26	578.43	2.83	205.152
400.00	400.00	407.97	407.97	2.33	1.20	21.03	541.90	208.32	580.58	577.05	3.53	164.302
500.00	500.00	508.51	508.50	2.63	1.56	20.97	541.46	207.54	579.89	575.70	4.19	138.374
600.00	600.00	609.00	608.98	2.91	1.91	20.87	541.04	206.28	579.05	574.24	4.82	120.182
700.00	700.00	708.26	708.23	3.16	2.26	20.77	540.62	205.07	578.22	572.80	5.42	106.692
800.00	800.00	804.13	804.09	3.40	2.59	20.68	540.65	204.06	577.88	571.89	5.99	96.453
900.00	899.99	900.94	900.90	3.68	2.93	-37.71	541.37	203.19	577.21	570.63	6.58	87.684
1,000.00	999.91	1,000.60	1,000.55	3.93	3.28	-38.07	542.18	202.51	574.65	567.48	7.17	80.163
1,100.00	1,099.69	1,101.71	1,101.66	4.18	3.63	-38.62	542.94	201.75	569.96	562.21	7.75	73.538
1,133.33	1,132.91	1,135.02	1,134.97	4.21	3.75	-38.85	543.17	201.46	567.92	560.03	7.89	71.979
1,200.00	1,199.32	1,201.58	1,201.52	4.29	3.98	-39.29	543.64	200.87	563.65	555.45	8.20	68.701
1,300.00	1,298.94	1,301.87	1,301.80	4.49	4.33	-39.97	544.20	199.89	557.15	548.40	8.75	63.680
1,400.00	1,398.56	1,400.57	1,400.50	4.68	4.68	-40.65	544.84	199.13	550.87	541.58	9.29	59.325
1,500.00	1,498.18	1,500.00	1,499.93	4.88	5.02	-41.33	545.43	198.46	544.65	534.83	9.82	55.452
1,600.00	1,597.80	1,599.17	1,599.10	5.07	5.37	-42.00	546.04	197.96	538.56	528.21	10.36	52.010
1,700.00	1,697.42	1,697.88	1,697.80	5.26	5.72	-42.68	546.79	197.68	532.77	521.88	10.88	48.949
1,800.00	1,797.04	1,797.11	1,797.03	5.45	6.06	-43.34	547.58	197.68	527.15	515.74	11.41	46.188
1,900.00	1,896.66	1,896.47	1,896.38	5.64	6.41	-44.00	548.34	197.82	521.61	509.67	11.94	43.682
2,000.00	1,996.28	1,996.27	1,996.18	5.82	6.76	-44.65	549.09	198.21	516.18	503.71	12.47	41.397
2,100.00	2,095.90	2,095.37	2,095.28	6.01	7.10	-45.30	549.78	198.68	510.80	497.80	12.99	39.313
2,200.00	2,195.52	2,195.84	2,195.75	6.20	7.45	-45.96	550.47	199.20	505.47	491.95	13.53	37.364
2,204.50	2,200.00	2,200.34	2,200.24	6.21	7.47	-45.99	550.50	199.23	505.23	491.68	13.55	37.280
2,300.00	2,295.06	2,294.38	2,294.28	6.38	7.80	-46.69	551.09	200.14	499.71	485.66	14.04	35.584
2,400.00	2,394.43	2,392.97	2,392.86	6.57	8.14	-47.55	551.83	201.41	493.02	478.45	14.57	33.844
2,500.00	2,493.58	2,491.30	2,491.17	6.77	8.48	-48.56	552.73	203.02	485.50	470.40	15.09	32.164
2,600.00	2,592.49	2,588.01	2,587.84	6.96	8.82	-49.68	553.97	205.10	477.43	461.81	15.62	30.566
2,700.00	2,691.13	2,684.95	2,684.75	7.15	9.16	-50.98	555.63	207.51	468.91	452.76	16.15	29.033
2,800.00	2,789.47	2,800.00	2,799.74	7.35	9.57	-52.77	557.21	210.42	459.44	442.69	16.75	27.437
2,900.00	2,887.48	2,878.29	2,877.98	7.56	9.85	-54.18	558.53	212.68	449.17	431.93	17.24	26.059
2,904.03	2,891.42	2,882.14	2,881.82	7.56	9.86	-54.25	558.64	212.81	448.79	431.54	17.26	26.004
3,000.00	2,985.30	2,976.65	2,976.24	7.75	10.20	-55.96	561.35	215.94	440.18	422.39	17.79	24.745
3,100.00	3,083.11	3,084.06	3,083.55	7.95	10.58	-57.92	563.13	219.93	430.44	412.06	18.38	23.416
3,200.00	3,180.93	3,181.43	3,180.86	8.15	10.92	-59.78	563.99	223.54	420.40	401.45	18.95	22.189
3,300.00	3,278.75	3,279.83	3,279.18	8.36	11.27	-61.75	565.07	227.19	411.04	391.53	19.52	21.061
3,400.00	3,376.56	3,382.18	3,381.49	8.57	11.63	-64.04	565.58	229.91	401.71	381.61	20.10	19.985
3,500.00	3,474.38	3,479.70	3,478.99	8.78	11.97	-66.50	565.65	231.42	392.74	372.07	20.67	18.999
3,600.00	3,572.20	3,577.14	3,576.44	8.99	12.31	-69.15	565.66	232.28	384.61	363.36	21.24	18.104
3,700.00	3,670.01	3,674.69	3,673.98	9.21	12.65	-71.95	565.81	232.81	377.59	355.76	21.82	17.304
3,800.00	3,767.83	3,773.14	3,772.43	9.44	13.00	-74.90	565.83	233.18	371.46	349.06	22.40	16.582
3,900.00	3,865.64	3,871.32	3,870.61	9.67	13.34	-77.85	566.00	234.03	366.35	343.36	22.99	15.938
4,000.00	3,963.46	3,975.74	3,974.96	9.91	13.71	-80.68	566.05	237.72	361.16	337.57	23.59	15.309
4,063.13	4,025.21	4,041.18	4,040.28	10.05	13.94	-82.27	565.83	241.65	357.48	333.52	23.95	14.924
4,100.00	4,061.30	4,077.90	4,076.91	10.12	14.08	-83.10	565.66	244.15	355.29	331.14	24.16	14.708
4,200.00	4,159.42	4,187.28	4,185.99	10.36	14.47	-85.41	564.08	252.14	348.83	324.08	24.75	14.092
4,300.00	4,257.86	4,288.26	4,286.62	10.59	14.83	-87.58	559.77	259.24	340.59	315.26	25.32	13.450
4,400.00	4,356.59	4,378.51	4,376.65	10.80	15.15	-90.09	554.25	261.54	333.66	307.78	25.87	12.895
4,483.34	4,439.08	4,446.86	4,444.89	10.97	15.39	-92.31	550.85	259.82	331.55	305.25	26.30	12.608
4,500.00	4,455.59	4,460.25	4,458.27	11.01	15.44	-92.74	550.43	259.23	331.63	305.26	26.38	12.574
4,600.00	4,554.82	4,544.27	4,542.17	11.20	15.74	-95.15	550.45	254.99	335.45	308.63	26.82	12.509

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

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

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

Survey Program: 100-3_Gyro-NS-CT_OWSG, 11638-3_MWD												Rule Assigned:			
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
4,700.00	4,654.24	4,649.36	4,647.09	11.38	16.11	-97.04	555.02	251.81	341.96	314.60	27.36	12.498			
4,800.00	4,753.84	4,775.49	4,772.88	11.54	16.56	-97.49	559.39	259.23	341.96	313.98	27.98	12.222			
4,900.00	4,853.58	4,886.43	4,883.22	11.69	16.98	-97.27	559.49	270.63	336.42	307.92	28.49	11.807			
5,000.00	4,953.43	4,983.10	4,979.60	11.83	17.33	-97.68	555.55	277.05	329.77	300.79	28.97	11.382			
5,100.00	5,053.36	5,075.07	5,071.43	11.97	17.66	-98.25	551.66	280.02	324.93	295.51	29.43	11.042			
5,200.00	5,153.34	5,166.88	5,163.16	12.09	17.97	-98.83	548.20	280.85	321.80	291.95	29.86	10.779			
5,262.66	5,216.00	5,225.00	5,221.25	12.13	18.18	-40.97	546.52	280.08	321.04	290.94	30.09	10.668			
5,272.21	5,225.55	5,233.30	5,229.55	12.14	18.20	-41.02	546.35	279.90	321.02	290.90	30.13	10.656			
5,300.00	5,253.34	5,258.69	5,254.93	12.15	18.29	-41.15	545.94	279.27	321.14	290.92	30.22	10.626			
5,400.00	5,353.34	5,357.14	5,353.33	12.23	18.64	-41.65	544.88	276.44	322.22	291.58	30.65	10.515			
5,500.00	5,453.34	5,456.81	5,452.96	12.31	19.00	-42.13	544.03	273.60	323.50	292.43	31.07	10.411			
5,600.00	5,553.34	5,557.37	5,553.48	12.39	19.35	-42.59	543.27	270.79	324.82	293.31	31.51	10.310			
5,700.00	5,653.34	5,658.71	5,654.79	12.47	19.71	-42.98	542.50	268.48	325.81	293.87	31.94	10.200			
5,800.00	5,753.34	5,759.24	5,755.30	12.55	20.06	-43.30	541.77	266.67	326.51	294.14	32.37	10.086			
5,900.00	5,853.34	5,859.43	5,855.47	12.63	20.41	-43.59	541.03	265.03	327.11	294.30	32.80	9.972			
6,000.00	5,953.34	5,959.31	5,955.34	12.71	20.76	-43.86	540.38	263.53	327.68	294.45	33.23	9.861			
6,100.00	6,053.34	6,059.05	6,055.06	12.79	21.11	-44.10	539.87	262.10	328.31	294.65	33.66	9.755			
6,200.00	6,153.34	6,161.15	6,157.15	12.87	21.47	-44.38	538.92	260.80	328.52	294.43	34.09	9.636			
6,300.00	6,253.34	6,261.71	6,257.71	12.95	21.82	-44.65	537.86	259.68	328.55	294.03	34.52	9.516			
6,400.00	6,353.34	6,362.07	6,358.05	13.03	22.17	-44.90	536.74	258.82	328.36	293.41	34.95	9.394			
6,500.00	6,453.34	6,461.85	6,457.82	13.12	22.51	-45.10	535.81	258.07	328.24	292.86	35.38	9.277			
6,600.00	6,553.34	6,561.51	6,557.48	13.20	22.86	-45.28	535.00	257.47	328.09	292.28	35.81	9.163			
6,700.00	6,653.34	6,661.85	6,657.81	13.28	23.21	-45.43	534.28	256.91	327.97	291.74	36.23	9.051			
6,800.00	6,753.34	6,761.84	6,757.80	13.36	23.56	-45.59	533.51	256.39	327.81	291.15	36.66	8.941			
6,900.00	6,853.34	6,861.93	6,857.89	13.44	23.90	-45.74	532.86	255.87	327.73	290.64	37.09	8.836			
7,000.00	6,953.34	6,962.30	6,958.26	13.52	24.25	-45.86	532.19	255.56	327.49	289.97	37.52	8.729			
7,100.00	7,053.34	7,062.19	7,058.14	13.60	24.60	-45.95	531.68	255.38	327.26	289.31	37.94	8.625			
7,200.00	7,153.34	7,162.74	7,158.69	13.68	24.95	-46.05	531.05	255.21	326.94	288.57	38.37	8.520			
7,300.00	7,253.34	7,262.84	7,258.78	13.76	25.29	-46.14	530.34	255.20	326.46	287.66	38.80	8.414			
7,400.00	7,353.34	7,362.85	7,358.80	13.84	25.64	-46.19	529.88	255.25	326.10	286.87	39.23	8.313			
7,500.00	7,453.34	7,462.94	7,458.89	13.93	25.99	-46.21	529.58	255.41	325.78	286.12	39.66	8.215			
7,600.00	7,553.34	7,562.41	7,558.36	14.01	26.33	-46.20	529.31	255.77	325.34	285.25	40.08	8.117			
7,700.00	7,653.34	7,662.01	7,657.95	14.09	26.68	-46.19	529.22	255.96	325.14	284.63	40.51	8.027			
7,800.00	7,753.34	7,761.82	7,757.76	14.17	27.03	-46.13	529.32	256.31	324.95	284.02	40.93	7.938			
7,893.06	7,846.40	7,854.46	7,850.40	14.24	27.35	-46.04	529.67	256.72	324.90	283.56	41.33	7.861			
7,900.00	7,853.34	7,861.29	7,857.24	14.25	27.37	-46.03	529.70	256.75	324.90	283.54	41.36	7.855			
8,000.00	7,953.34	7,961.51	7,957.45	14.33	27.72	-45.92	530.19	257.13	324.97	283.17	41.79	7.776			
8,069.60	8,022.94	8,031.00	8,026.94	14.39	27.96	-45.81	530.61	257.60	324.92	282.83	42.09	7.719			
8,100.00	8,053.34	8,061.30	8,057.24	14.41	28.07	-45.75	530.86	257.81	324.94	282.72	42.22	7.696			
8,200.00	8,153.34	8,161.75	8,157.68	14.49	28.42	-45.58	531.57	258.52	324.93	282.28	42.65	7.618			
8,228.84	8,182.18	8,190.25	8,186.18	14.52	28.52	-45.52	531.78	258.76	324.91	282.13	42.78	7.595			
8,300.00	8,253.34	8,261.35	8,257.28	14.57	28.77	-45.38	532.35	259.32	324.91	281.82	43.08	7.541			
8,400.00	8,353.34	8,361.51	8,357.43	14.65	29.12	-45.17	533.21	260.13	324.94	281.42	43.52	7.467			
8,401.98	8,355.32	8,363.40	8,359.32	14.66	29.12	-45.17	533.22	260.14	324.94	281.41	43.52	7.466			
8,500.00	8,453.34	8,461.51	8,457.42	14.74	29.47	-44.95	534.15	260.98	325.00	281.05	43.95	7.395			
8,522.73	8,476.07	8,484.16	8,480.07	14.75	29.54	-44.89	534.37	261.22	324.99	280.94	44.05	7.378			
8,600.00	8,553.34	8,561.34	8,557.24	14.82	29.81	-44.70	535.18	261.96	325.04	280.66	44.38	7.324			
8,700.00	8,653.34	8,661.95	8,657.84	14.90	30.17	-44.45	536.13	262.99	325.00	280.19	44.81	7.252			
8,800.00	8,753.34	8,762.00	8,757.88	14.98	30.52	-44.23	536.96	263.96	324.91	279.66	45.25	7.181			
8,900.00	8,853.34	8,861.93	8,857.80	15.06	30.86	-44.00	537.82	264.90	324.87	279.19	45.68	7.112			
9,000.00	8,953.34	8,963.39	8,959.25	15.14	31.22	-43.72	538.74	266.25	324.61	278.49	46.12	7.039			
9,100.00	9,053.34	9,067.42	9,063.25	15.22	31.59	-43.37	539.21	268.50	323.44	276.88	46.56	6.946			

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

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

Offset Site Error: 0.00 usft

Survey Program: 100-3_Gyro-NS-CT_OWSG, 11638-3_MWD

Offset Well Error: 0.00 usft

Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major 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
9,200.00	9,153.34	9,168.23	9,164.02	15.30	31.94	-43.01	538.99	271.52	321.23	274.23	47.00	6.835	
9,300.00	9,253.34	9,268.51	9,264.25	15.38	32.30	-42.64	538.76	274.51	319.04	271.60	47.43	6.726	
9,400.00	9,353.34	9,369.11	9,364.81	15.47	32.65	-42.32	538.23	277.43	316.69	268.82	47.87	6.616	
9,500.00	9,453.34	9,469.10	9,464.76	15.55	33.01	-42.09	537.21	280.08	314.15	265.85	48.30	6.504	
9,600.00	9,553.34	9,566.80	9,562.43	15.63	33.35	-42.11	535.52	281.44	311.94	263.21	48.72	6.402	
9,700.00	9,653.34	9,664.15	9,659.75	15.71	33.69	-42.48	533.44	280.63	310.92	261.77	49.14	6.327	
9,800.00	9,753.34	9,763.88	9,759.46	15.79	34.03	-42.89	531.43	279.45	310.24	260.66	49.57	6.258	
9,900.00	9,853.34	9,863.68	9,859.23	15.87	34.38	-43.33	529.34	278.11	309.63	259.63	50.00	6.193	
10,000.00	9,953.34	9,963.80	9,959.30	15.95	34.74	-43.86	526.89	276.49	308.96	258.53	50.43	6.127	
10,100.00	10,053.34	10,062.81	10,058.27	16.03	35.08	-44.42	524.42	274.73	308.41	257.56	50.85	6.065	
10,118.58	10,071.92	10,080.47	10,075.92	16.05	35.15	-44.52	524.03	274.37	308.39	257.46	50.93	6.055	CC
10,200.00	10,153.34	10,159.13	10,154.54	16.11	35.42	-44.96	522.55	272.44	308.71	257.44	51.27	6.021	ES
10,300.00	10,253.34	10,257.47	10,252.84	16.20	35.77	-45.43	521.62	269.81	309.94	258.25	51.69	5.996	
10,400.00	10,353.34	10,358.11	10,353.44	16.28	36.13	-45.85	520.94	267.26	311.28	259.16	52.12	5.972	
10,500.00	10,453.34	10,458.52	10,453.83	16.36	36.48	-46.19	520.45	265.10	312.49	259.93	52.55	5.946	
10,600.00	10,553.34	10,557.83	10,553.13	16.44	36.83	-46.37	520.51	263.56	313.65	260.67	52.98	5.920	
10,700.00	10,653.34	10,657.23	10,652.52	16.52	37.18	-46.48	521.10	262.13	315.10	261.69	53.40	5.900	
10,800.00	10,753.34	10,756.67	10,751.94	16.60	37.53	-46.69	521.33	260.14	316.72	262.89	53.83	5.884	
10,900.00	10,853.34	10,856.80	10,852.04	16.68	37.88	-46.94	521.46	258.00	318.36	264.10	54.26	5.868	
11,000.00	10,953.34	10,955.84	10,951.05	16.76	38.23	-47.21	521.55	255.70	320.13	265.45	54.68	5.855	SF
11,100.00	11,053.34	11,051.56	11,046.73	16.85	38.57	-47.51	521.85	252.85	322.54	267.45	55.09	5.855	
11,200.00	11,153.34	11,141.76	11,136.81	16.93	38.89	-47.84	523.32	248.50	327.22	271.75	55.47	5.899	
11,300.00	11,253.34	11,233.35	11,228.12	17.01	39.21	-47.98	527.47	242.69	334.93	279.09	55.85	5.997	
11,400.00	11,353.34	11,337.25	11,331.66	17.09	39.58	-47.97	533.31	236.27	343.30	287.00	56.30	6.098	
11,500.00	11,453.34	11,438.02	11,432.17	17.17	39.93	-47.87	538.62	231.29	350.50	293.76	56.73	6.178	
11,599.66	11,553.00	11,538.28	11,532.17	17.25	40.29	-47.76	543.90	226.49	357.56	300.39	57.17	6.255	
11,600.00	11,553.34	11,538.64	11,532.53	17.25	40.29	132.73	543.92	226.48	357.58	300.41	57.17	6.255	
11,650.00	11,603.27	11,591.32	11,585.10	17.31	40.45	132.70	546.48	224.15	362.35	304.98	57.37	6.316	
11,700.00	11,652.83	11,643.46	11,637.15	17.34	40.54	132.98	548.62	222.06	369.68	312.22	57.46	6.433	
11,750.00	11,701.62	11,694.67	11,688.29	17.37	40.55	133.53	550.52	220.38	379.68	322.21	57.47	6.606	
11,800.00	11,749.28	11,744.49	11,738.07	17.40	40.55	134.29	552.29	219.19	392.48	335.00	57.47	6.829	
11,850.00	11,795.45	11,790.78	11,784.32	17.43	40.55	135.09	553.93	218.41	408.34	350.87	57.47	7.105	
11,900.00	11,839.77	11,827.94	11,821.43	17.46	40.55	135.55	555.88	218.28	427.83	370.37	57.46	7.445	
11,950.00	11,881.91	11,860.17	11,853.54	17.49	40.55	135.72	558.63	218.53	451.59	394.13	57.46	7.859	
12,000.00	11,921.55	11,883.59	11,876.82	17.53	40.56	135.04	561.18	218.66	479.65	422.19	57.46	8.348	
12,050.00	11,958.38	11,898.00	11,891.09	17.57	40.56	133.19	563.20	218.76	512.04	454.58	57.46	8.911	
12,100.00	11,992.13	11,914.10	11,906.95	17.61	40.56	130.85	565.96	218.86	548.27	490.80	57.48	9.539	
12,150.00	12,022.53	11,929.00	11,921.52	17.66	40.56	127.58	569.06	218.91	587.87	530.37	57.50	10.224	
12,200.00	12,049.37	11,929.00	11,921.52	17.72	40.56	121.10	569.06	218.91	629.99	572.47	57.53	10.951	
12,250.00	12,072.42	11,929.00	11,921.52	17.79	40.56	112.60	569.06	218.91	674.25	616.69	57.56	11.714	
12,300.00	12,091.52	11,939.37	11,931.60	17.87	40.56	103.94	571.50	218.94	719.75	662.15	57.60	12.496	
12,350.00	12,106.52	11,940.43	11,932.63	17.97	40.57	91.62	571.77	218.94	766.26	708.63	57.63	13.295	
12,400.00	12,117.31	11,939.80	11,932.01	18.08	40.56	77.90	571.61	218.94	813.22	755.55	57.67	14.101	
12,450.00	12,123.81	11,929.00	11,921.52	18.20	40.56	63.03	569.06	218.91	860.34	802.63	57.71	14.909	
12,494.67	12,125.94	11,929.00	11,921.52	18.33	40.56	53.25	569.06	218.91	901.99	844.26	57.73	15.624	
12,500.00	12,125.98	11,929.00	11,921.52	18.35	40.56	53.25	569.06	218.91	906.94	849.21	57.73	15.710	
12,600.00	12,126.85	11,929.00	11,921.52	18.69	40.56	53.25	569.06	218.91	1,000.51	942.72	57.78	17.315	
12,700.00	12,127.73	11,929.00	11,921.52	19.10	40.56	53.25	569.06	218.91	1,095.21	1,037.38	57.83	18.938	
12,800.00	12,128.60	11,915.88	11,908.70	19.59	40.56	51.55	566.30	218.87	1,190.50	1,132.60	57.90	20.562	
12,900.00	12,129.47	11,911.26	11,904.16	20.15	40.56	50.96	565.43	218.85	1,286.53	1,228.57	57.96	22.198	
13,000.00	12,130.34	11,898.00	11,891.09	20.79	40.56	49.33	563.20	218.76	1,383.19	1,325.16	58.03	23.835	
13,100.00	12,131.21	11,898.00	11,891.09	21.50	40.56	49.33	563.20	218.76	1,480.05	1,421.97	58.08	25.482	

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - (O) Montera Federal 023H - OH - OH													Offset Site Error:	0.00 usft
Survey Program: 100-3_Gyro-NS-CT_OWSSG, 11638-3_MWD													Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis	Rule Assigned:											
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning	
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W	Between	Between	Separation	Factor		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	(usft)			
									(usft)	(usft)				
13,200.00	12,132.08	11,898.00	11,891.09	22.27	40.56	49.33	563.20	218.76	1,577.31	1,519.17	58.13	27.132		
13,300.00	12,132.95	11,898.00	11,891.09	23.10	40.56	49.33	563.20	218.76	1,674.89	1,616.70	58.19	28.785		
13,400.00	12,133.83	11,898.00	11,891.09	23.99	40.56	49.33	563.20	218.76	1,772.74	1,714.50	58.24	30.438		
13,500.00	12,134.70	11,898.00	11,891.09	24.92	40.56	49.33	563.20	218.76	1,870.82	1,812.52	58.30	32.092		
13,600.00	12,135.57	11,898.00	11,891.09	25.89	40.56	49.33	563.20	218.76	1,969.09	1,910.74	58.35	33.745		
13,700.00	12,136.44	11,884.37	11,877.59	26.89	40.56	47.73	561.28	218.67	2,067.32	2,008.87	58.44	35.373		
13,800.00	12,137.31	11,881.81	11,875.06	27.93	40.56	47.44	560.95	218.65	2,165.82	2,107.31	58.51	37.016		
13,900.00	12,138.18	11,879.44	11,872.70	29.00	40.56	47.17	560.66	218.64	2,264.43	2,205.86	58.58	38.656		
14,000.00	12,139.05	11,866.00	11,859.34	30.09	40.55	45.69	559.19	218.56	2,363.29	2,304.61	58.68	40.275		

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)		
0.00	0.00	1.00	1.00	0.50	0.50	180.00	-185.00	0.00	185.00			
100.00	100.00	101.00	101.00	0.98	0.99	180.00	-185.00	0.00	185.00	183.03	1.97	94.021
200.00	200.00	201.00	201.00	1.56	1.57	180.00	-185.00	0.00	185.00	181.87	3.13	59.173
300.00	300.00	301.00	301.00	1.98	1.98	180.00	-185.00	0.00	185.00	181.03	3.97	46.649
400.00	400.00	401.00	401.00	2.33	2.33	180.00	-185.00	0.00	185.00	180.34	4.66	39.684
500.00	500.00	501.00	501.00	2.63	2.64	180.00	-185.00	0.00	185.00	179.73	5.27	35.092
600.00	600.00	601.00	601.00	2.91	2.91	180.00	-185.00	0.00	185.00	179.18	5.82	31.772
700.00	700.00	701.00	701.00	3.16	3.17	180.00	-185.00	0.00	185.00	178.67	6.33	29.226
800.00	800.00	801.00	801.00	3.40	3.40	180.00	-185.00	0.00	185.00	178.20	6.80	27.192
900.00	899.99	900.99	900.99	3.68	3.63	122.13	-185.00	0.00	185.69	178.43	7.26	25.570
1,000.00	999.91	1,000.91	1,000.91	3.93	3.84	123.12	-185.00	0.00	187.81	180.11	7.70	24.400
1,100.00	1,099.69	1,100.69	1,100.69	4.18	4.04	124.71	-185.00	0.00	191.47	183.35	8.12	23.585
1,133.33	1,132.91	1,133.91	1,133.91	4.21	4.10	125.37	-185.00	0.00	193.06	184.85	8.21	23.522
1,200.00	1,199.32	1,200.32	1,200.32	4.29	4.23	126.74	-185.00	0.00	196.48	188.06	8.42	23.328
1,300.00	1,298.94	1,299.94	1,299.94	4.49	4.42	128.72	-185.00	0.00	201.83	193.02	8.81	22.908
1,400.00	1,398.56	1,399.56	1,399.56	4.68	4.60	130.60	-185.00	0.00	207.41	198.22	9.19	22.570
1,500.00	1,498.18	1,500.41	1,500.41	4.88	4.77	132.62	-184.56	-0.76	212.91	203.35	9.56	22.274
1,600.00	1,597.80	1,601.06	1,601.02	5.07	4.94	134.97	-183.23	-3.05	218.14	208.22	9.92	21.994
1,700.00	1,697.42	1,701.44	1,701.30	5.26	5.10	137.64	-181.03	-6.86	223.28	213.01	10.27	21.733
1,800.00	1,797.04	1,801.48	1,801.15	5.45	5.27	140.61	-177.96	-12.17	228.54	217.91	10.63	21.504
1,900.00	1,896.66	1,901.14	1,900.50	5.64	5.43	143.84	-174.03	-18.96	234.12	223.14	10.98	21.324
2,000.00	1,996.28	2,000.35	1,999.26	5.82	5.59	147.30	-169.26	-27.20	240.28	228.95	11.33	21.206
2,100.00	2,095.90	2,099.06	2,097.33	6.01	5.76	150.96	-163.66	-36.86	247.25	235.56	11.68	21.165
2,200.00	2,195.52	2,197.21	2,194.64	6.20	5.92	154.77	-157.26	-47.92	255.27	243.22	12.04	21.198
2,204.50	2,200.00	2,201.62	2,199.00	6.21	5.93	154.94	-156.95	-48.45	255.65	243.60	12.06	21.202
2,300.00	2,295.06	2,294.63	2,291.00	6.38	6.09	158.69	-150.08	-60.32	265.30	252.91	12.39	21.415
2,400.00	2,394.43	2,391.05	2,386.12	6.57	6.26	162.71	-142.16	-73.99	278.51	265.76	12.75	21.851
2,500.00	2,493.58	2,486.38	2,479.88	6.77	6.43	166.71	-133.55	-88.87	295.14	282.03	13.10	22.522
2,600.00	2,592.49	2,580.51	2,572.17	6.96	6.60	170.57	-124.29	-104.88	315.34	301.87	13.46	23.423
2,700.00	2,691.13	2,673.33	2,662.87	7.15	6.77	174.22	-114.40	-121.95	339.16	325.34	13.82	24.542
2,800.00	2,789.47	2,765.88	2,753.01	7.35	6.92	177.63	-103.89	-140.11	366.53	352.39	14.15	25.912
2,900.00	2,887.48	2,859.13	2,843.77	7.56	7.11	-179.34	-93.18	-158.62	396.82	382.31	14.51	27.353
2,904.03	2,891.42	2,862.87	2,847.42	7.56	7.12	-179.22	-92.75	-159.36	398.10	383.57	14.52	27.413
3,000.00	2,985.30	2,952.09	2,934.26	7.75	7.32	-176.73	-82.50	-177.06	428.90	414.03	14.88	28.832
3,100.00	3,083.11	3,045.05	3,024.75	7.95	7.53	-174.47	-71.82	-195.51	461.70	446.45	15.25	30.276
3,200.00	3,180.93	3,138.02	3,115.24	8.15	7.75	-172.51	-61.14	-213.96	495.06	479.44	15.63	31.681
3,300.00	3,278.75	3,230.98	3,205.72	8.36	7.98	-170.80	-50.46	-232.40	528.89	512.88	16.01	33.040
3,400.00	3,376.56	3,323.94	3,296.21	8.57	8.21	-169.28	-39.78	-250.85	563.10	546.71	16.39	34.352
3,500.00	3,474.38	3,416.91	3,386.70	8.78	8.44	-167.94	-29.10	-269.30	597.62	580.84	16.78	35.616
3,600.00	3,572.20	3,509.87	3,477.18	8.99	8.68	-166.74	-18.43	-287.74	632.41	615.23	17.17	36.830
3,700.00	3,670.01	3,602.83	3,567.67	9.21	8.92	-165.66	-7.75	-306.19	667.41	649.85	17.57	37.996
3,800.00	3,767.83	3,695.80	3,658.16	9.44	9.16	-164.70	2.93	-324.64	702.61	684.64	17.96	39.115
3,900.00	3,865.64	3,788.76	3,748.64	9.67	9.40	-163.82	13.61	-343.08	737.96	719.60	18.36	40.188
4,000.00	3,963.46	3,881.72	3,839.13	9.91	9.65	-163.02	24.29	-361.53	773.46	754.69	18.77	41.217
4,063.13	4,025.21	3,940.41	3,896.26	10.05	9.81	-162.55	31.03	-373.17	795.93	776.92	19.00	41.885
4,100.00	4,061.30	3,974.72	3,929.65	10.12	9.90	-162.33	34.97	-379.98	808.97	789.83	19.13	42.277
4,200.00	4,159.42	4,068.14	4,020.58	10.36	10.16	-161.74	45.70	-398.52	843.34	823.80	19.54	43.159
4,300.00	4,257.86	4,162.06	4,112.00	10.59	10.42	-161.17	56.49	-417.16	876.26	856.32	19.94	43.935
4,400.00	4,356.59	4,256.45	4,203.87	10.80	10.68	-160.60	67.33	-435.89	907.74	887.39	20.35	44.612
4,500.00	4,455.59	4,351.28	4,296.17	11.01	10.94	-160.04	78.23	-454.70	937.76	917.01	20.75	45.196
4,600.00	4,554.82	4,446.52	4,388.88	11.20	11.21	-159.48	89.17	-473.60	966.32	945.18	21.15	45.695
4,700.00	4,654.24	4,542.14	4,481.96	11.38	11.48	-158.92	100.15	-492.58	993.44	971.90	21.54	46.118

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)		
4,800.00	4,753.84	4,638.12	4,575.38	11.54	11.75	-158.35	111.18	-511.62	1,019.11	997.18	21.93	46.470
4,900.00	4,853.58	4,734.43	4,669.12	11.69	12.02	-157.78	122.24	-530.73	1,043.34	1,021.03	22.31	46.758
5,000.00	4,953.43	4,831.03	4,763.14	11.83	12.30	-157.19	133.34	-549.90	1,066.14	1,043.45	22.69	46.989
5,100.00	5,053.36	4,927.89	4,857.43	11.97	12.58	-156.60	144.46	-569.12	1,087.52	1,064.46	23.06	47.170
5,200.00	5,153.34	5,025.00	4,951.95	12.09	12.85	-155.99	155.62	-588.39	1,107.48	1,084.07	23.41	47.313
5,262.66	5,216.00	5,085.95	5,011.28	12.13	13.03	-97.39	162.62	-600.48	1,119.27	1,095.68	23.59	47.450
5,300.00	5,253.34	5,122.29	5,046.65	12.15	13.14	-97.13	166.79	-607.69	1,126.14	1,102.46	23.68	47.554
5,400.00	5,353.34	5,219.63	5,141.40	12.23	13.42	-96.44	177.97	-627.01	1,144.67	1,120.69	23.97	47.746
5,500.00	5,453.34	5,316.97	5,236.14	12.31	13.70	-95.77	189.16	-646.32	1,163.35	1,139.08	24.27	47.939
5,600.00	5,553.34	5,414.30	5,330.88	12.39	13.99	-95.13	200.34	-665.64	1,182.18	1,157.62	24.56	48.134
5,700.00	5,653.34	5,511.64	5,425.63	12.47	14.27	-94.50	211.52	-684.95	1,201.15	1,176.30	24.85	48.333
5,800.00	5,753.34	5,616.55	5,527.78	12.55	14.56	-93.86	223.49	-705.64	1,220.15	1,195.00	25.15	48.509
5,900.00	5,853.34	5,735.73	5,644.25	12.63	14.89	-93.19	236.14	-727.49	1,237.92	1,212.40	25.53	48.496
6,000.00	5,953.34	5,855.93	5,762.23	12.71	15.20	-92.61	247.67	-747.40	1,254.07	1,228.18	25.89	48.442
6,100.00	6,053.34	5,977.07	5,881.58	12.79	15.48	-92.10	258.03	-765.30	1,268.55	1,242.31	26.24	48.348
6,200.00	6,153.34	6,099.05	6,002.18	12.87	15.75	-91.66	267.18	-781.11	1,281.30	1,254.72	26.57	48.215
6,300.00	6,253.34	6,221.76	6,123.87	12.95	15.99	-91.29	275.09	-794.77	1,292.28	1,265.39	26.90	48.048
6,400.00	6,353.34	6,345.10	6,246.50	13.03	16.20	-90.99	281.72	-806.23	1,301.48	1,274.28	27.20	47.846
6,500.00	6,453.34	6,468.96	6,369.90	13.12	16.39	-90.75	287.05	-815.43	1,308.85	1,281.36	27.49	47.610
6,600.00	6,553.34	6,593.22	6,493.90	13.20	16.55	-90.57	291.05	-822.34	1,314.37	1,286.61	27.76	47.341
6,700.00	6,653.34	6,717.77	6,618.33	13.28	16.68	-90.45	293.71	-826.93	1,318.04	1,290.02	28.02	47.047
6,800.00	6,753.34	6,842.49	6,743.03	13.36	16.79	-90.40	295.01	-829.17	1,319.83	1,291.60	28.23	46.748
6,900.00	6,853.34	6,953.80	6,854.34	13.44	16.87	-90.39	295.15	-829.42	1,320.03	1,291.63	28.40	46.487
7,000.00	6,953.34	7,053.80	6,954.34	13.52	16.93	-90.39	295.15	-829.42	1,320.03	1,291.49	28.54	46.254
7,100.00	7,053.34	7,153.80	7,054.34	13.60	16.99	-90.39	295.15	-829.42	1,320.03	1,291.35	28.68	46.024
7,200.00	7,153.34	7,253.80	7,154.34	13.68	17.06	-90.39	295.15	-829.42	1,320.03	1,291.21	28.82	45.795
7,300.00	7,253.34	7,353.80	7,254.34	13.76	17.12	-90.39	295.15	-829.42	1,320.03	1,291.06	28.97	45.569
7,400.00	7,353.34	7,453.80	7,354.34	13.84	17.19	-90.39	295.15	-829.42	1,320.03	1,290.92	29.11	45.344
7,500.00	7,453.34	7,553.80	7,454.34	13.93	17.25	-90.39	295.15	-829.42	1,320.03	1,290.78	29.26	45.121
7,600.00	7,553.34	7,653.80	7,554.34	14.01	17.32	-90.39	295.15	-829.42	1,320.03	1,290.63	29.40	44.900
7,700.00	7,653.34	7,753.80	7,654.34	14.09	17.38	-90.39	295.15	-829.42	1,320.03	1,290.49	29.54	44.681
7,800.00	7,753.34	7,853.80	7,754.34	14.17	17.45	-90.39	295.15	-829.42	1,320.03	1,290.34	29.69	44.464
7,900.00	7,853.34	7,953.80	7,854.34	14.25	17.51	-90.39	295.15	-829.42	1,320.03	1,290.20	29.83	44.249
8,000.00	7,953.34	8,053.80	7,954.34	14.33	17.58	-90.39	295.15	-829.42	1,320.03	1,290.05	29.98	44.035
8,100.00	8,053.34	8,153.80	8,054.34	14.41	17.64	-90.39	295.15	-829.42	1,320.03	1,289.91	30.12	43.824
8,200.00	8,153.34	8,253.80	8,154.34	14.49	17.71	-90.39	295.15	-829.42	1,320.03	1,289.76	30.27	43.614
8,300.00	8,253.34	8,353.80	8,254.34	14.57	17.77	-90.39	295.15	-829.42	1,320.03	1,289.62	30.41	43.406
8,400.00	8,353.34	8,453.80	8,354.34	14.65	17.84	-90.39	295.15	-829.42	1,320.03	1,289.47	30.56	43.199
8,500.00	8,453.34	8,553.80	8,454.34	14.74	17.91	-90.39	295.15	-829.42	1,320.03	1,289.33	30.70	42.994
8,600.00	8,553.34	8,653.80	8,554.34	14.82	17.97	-90.39	295.15	-829.42	1,320.03	1,289.18	30.85	42.791
8,700.00	8,653.34	8,753.80	8,654.34	14.90	18.04	-90.39	295.15	-829.42	1,320.03	1,289.04	30.99	42.590
8,800.00	8,753.34	8,853.80	8,754.34	14.98	18.11	-90.39	295.15	-829.42	1,320.03	1,288.89	31.14	42.390
8,900.00	8,853.34	8,953.80	8,854.34	15.06	18.17	-90.39	295.15	-829.42	1,320.03	1,288.74	31.29	42.192
9,000.00	8,953.34	9,053.80	8,954.34	15.14	18.24	-90.39	295.15	-829.42	1,320.03	1,288.60	31.43	41.996
9,100.00	9,053.34	9,153.80	9,054.34	15.22	18.31	-90.39	295.15	-829.42	1,320.03	1,288.45	31.58	41.801
9,200.00	9,153.34	9,253.80	9,154.34	15.30	18.37	-90.39	295.15	-829.42	1,320.03	1,288.31	31.73	41.608
9,300.00	9,253.34	9,353.80	9,254.34	15.38	18.44	-90.39	295.15	-829.42	1,320.03	1,288.16	31.87	41.416
9,400.00	9,353.34	9,453.80	9,354.34	15.47	18.51	-90.39	295.15	-829.42	1,320.03	1,288.01	32.02	41.226
9,500.00	9,453.34	9,553.80	9,454.34	15.55	18.57	-90.39	295.15	-829.42	1,320.03	1,287.86	32.17	41.038
9,600.00	9,553.34	9,653.80	9,554.34	15.63	18.64	-90.39	295.15	-829.42	1,320.03	1,287.72	32.31	40.851
9,700.00	9,653.34	9,753.80	9,654.34	15.71	18.71	-90.39	295.15	-829.42	1,320.03	1,287.57	32.46	40.666
9,800.00	9,753.34	9,853.80	9,754.34	15.79	18.78	-90.39	295.15	-829.42	1,320.03	1,287.42	32.61	40.482

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

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

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)										Rule Assigned:													
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)	Distance Between Ellipses (usft)	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)															
20,200.00	12,193.08	20,150.48	12,125.73	110.75	122.06	-87.08	-7,956.54	1,941.77	1,381.81	1,149.51	232.29	5.949											
20,300.00	12,193.95	20,250.48	12,126.42	112.10	123.42	-87.07	-8,056.54	1,942.68	1,381.86	1,146.86	235.00	5.880											
20,400.00	12,194.82	20,350.48	12,127.12	113.45	124.78	-87.07	-8,156.53	1,943.59	1,381.91	1,144.20	237.71	5.813											
20,500.00	12,195.69	20,450.48	12,127.82	114.81	126.14	-87.06	-8,256.52	1,944.49	1,381.97	1,141.54	240.43	5.748											
20,600.00	12,196.57	20,550.48	12,128.52	116.16	127.50	-87.05	-8,356.52	1,945.40	1,382.02	1,138.88	243.14	5.684											
20,700.00	12,197.44	20,650.48	12,129.22	117.52	128.86	-87.05	-8,456.51	1,946.31	1,382.08	1,136.23	245.85	5.622											
20,800.00	12,198.31	20,750.48	12,129.91	118.87	130.22	-87.04	-8,556.50	1,947.21	1,382.13	1,133.57	248.57	5.560											
20,900.00	12,199.18	20,850.48	12,130.61	120.23	131.58	-87.03	-8,656.50	1,948.12	1,382.19	1,130.91	251.28	5.501											
21,000.00	12,200.05	20,950.48	12,131.31	121.58	132.94	-87.03	-8,756.49	1,949.03	1,382.24	1,128.25	253.99	5.442											
21,100.00	12,200.92	21,050.48	12,132.01	122.94	134.30	-87.02	-8,856.48	1,949.93	1,382.30	1,125.59	256.71	5.385											
21,200.00	12,201.79	21,150.48	12,132.71	124.29	135.67	-87.01	-8,956.48	1,950.84	1,382.35	1,122.93	259.43	5.329											
21,300.00	12,202.67	21,250.48	12,133.41	125.65	137.03	-87.00	-9,056.47	1,951.75	1,382.41	1,120.27	262.14	5.274											
21,400.00	12,203.54	21,350.48	12,134.10	127.01	138.39	-87.00	-9,156.46	1,952.65	1,382.46	1,117.60	264.86	5.220											
21,500.00	12,204.41	21,450.48	12,134.80	128.36	139.75	-86.99	-9,256.46	1,953.56	1,382.52	1,114.94	267.57	5.167											
21,600.00	12,205.28	21,550.48	12,135.50	129.72	141.11	-86.98	-9,356.45	1,954.47	1,382.57	1,112.28	270.29	5.115											
21,700.00	12,206.15	21,650.48	12,136.20	131.08	142.47	-86.98	-9,456.44	1,955.37	1,382.63	1,109.62	273.01	5.064											
21,800.00	12,207.02	21,750.48	12,136.90	132.44	143.84	-86.97	-9,556.44	1,956.28	1,382.68	1,106.96	275.73	5.015											
21,900.00	12,207.89	21,850.48	12,137.60	133.79	145.20	-86.96	-9,656.43	1,957.19	1,382.74	1,104.29	278.44	4.966											
22,000.00	12,208.77	21,950.48	12,138.29	135.15	146.56	-86.95	-9,756.42	1,958.10	1,382.79	1,101.63	281.16	4.918											
22,100.00	12,209.64	22,050.48	12,138.99	136.51	147.92	-86.95	-9,856.42	1,959.00	1,382.85	1,098.97	283.88	4.871											
22,200.00	12,210.51	22,150.48	12,139.69	137.87	149.29	-86.94	-9,956.41	1,959.91	1,382.90	1,096.30	286.60	4.825											
22,300.00	12,211.38	22,250.48	12,140.39	139.23	150.65	-86.93	-10,056.40	1,960.82	1,382.96	1,093.64	289.32	4.780											
22,400.00	12,212.25	22,350.48	12,141.09	140.59	151.94	-86.93	-10,156.40	1,961.72	1,383.01	1,091.05	291.96	4.737											
22,428.60	12,212.50	22,379.08	12,141.29	140.94	152.29	-86.92	-10,184.99	1,961.98	1,383.03	1,090.37	292.65	4.726	ES, SF										

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

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

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

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

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
0.00	0.00	1.00	1.00	0.50	0.50	71.99	746.00	2,294.00	2,412.25				
100.00	100.00	101.00	101.00	0.98	0.99	71.99	746.00	2,294.00	2,412.25	2,410.28	1.97	1,225.955	
200.00	200.00	201.00	201.00	1.56	1.57	71.99	746.00	2,294.00	2,412.25	2,409.12	3.13	771.574	
300.00	300.00	301.00	301.00	1.98	1.98	71.99	746.00	2,294.00	2,412.25	2,408.28	3.97	608.266	
400.00	400.00	401.00	401.00	2.33	2.33	71.99	746.00	2,294.00	2,412.25	2,407.59	4.66	517.442	
500.00	500.00	501.00	501.00	2.63	2.64	71.99	746.00	2,294.00	2,412.25	2,406.98	5.27	457.578	
600.00	600.00	601.00	601.00	2.91	2.91	71.99	746.00	2,294.00	2,412.25	2,406.43	5.82	414.286	
700.00	700.00	701.00	701.00	3.16	3.17	71.99	746.00	2,294.00	2,412.25	2,405.92	6.33	381.085	
800.00	800.00	801.00	801.00	3.40	3.40	71.99	746.00	2,294.00	2,412.25	2,405.45	6.80	354.565	
900.00	899.99	900.99	900.99	3.68	3.63	13.80	746.00	2,294.00	2,410.98	2,403.68	7.30	330.334	
1,000.00	999.91	1,000.91	1,000.91	3.93	3.84	13.83	746.00	2,294.00	2,407.17	2,399.40	7.77	309.981	
1,100.00	1,099.69	1,100.69	1,100.69	4.18	4.04	13.89	746.00	2,294.00	2,400.82	2,392.60	8.21	292.312	
1,133.33	1,132.91	1,133.91	1,133.91	4.21	4.10	13.92	746.00	2,294.00	2,398.14	2,389.83	8.30	288.847	
1,200.00	1,199.32	1,200.32	1,200.32	4.29	4.23	13.95	746.00	2,294.00	2,392.50	2,383.98	8.51	280.998	
1,300.00	1,298.94	1,299.94	1,299.94	4.49	4.42	14.00	746.00	2,294.00	2,384.04	2,375.14	8.90	267.988	
1,400.00	1,398.56	1,411.19	1,411.19	4.68	4.52	14.07	745.51	2,294.00	2,375.46	2,366.28	9.18	258.711	
1,500.00	1,498.18	1,533.78	1,533.71	4.88	4.75	14.23	741.58	2,294.00	2,366.03	2,356.48	9.55	247.786	
1,600.00	1,597.80	1,655.63	1,655.31	5.07	4.94	14.47	733.78	2,294.00	2,355.66	2,345.77	9.89	238.211	
1,700.00	1,697.42	1,734.19	1,733.56	5.26	5.04	14.68	726.93	2,294.32	2,345.08	2,334.91	10.17	230.647	
1,800.00	1,797.04	1,800.00	1,799.07	5.45	5.13	14.87	720.74	2,295.69	2,335.88	2,325.41	10.47	223.096	
1,900.00	1,896.66	1,866.05	1,864.74	5.64	5.23	15.08	714.18	2,298.15	2,328.13	2,317.37	10.76	216.361	
2,000.00	1,996.28	1,931.94	1,930.17	5.82	5.34	15.30	707.28	2,301.68	2,321.87	2,310.81	11.05	210.101	
2,100.00	2,095.90	2,008.56	2,006.13	6.01	5.47	15.58	698.83	2,307.14	2,317.13	2,305.77	11.36	203.935	
2,200.00	2,195.52	2,091.05	2,087.81	6.20	5.59	15.90	689.47	2,313.80	2,313.33	2,301.66	11.66	198.357	
2,204.50	2,200.00	2,095.49	2,092.21	6.21	5.59	15.92	688.96	2,314.16	2,313.16	2,301.48	11.68	198.096	
2,300.00	2,295.06	2,189.71	2,185.51	6.38	5.74	16.29	678.27	2,321.76	2,308.92	2,296.94	11.99	192.589	
2,400.00	2,394.43	2,288.20	2,283.05	6.57	5.89	16.71	667.10	2,329.72	2,302.96	2,290.63	12.33	186.798	
2,500.00	2,493.58	2,386.51	2,380.39	6.77	6.05	17.14	655.95	2,337.65	2,295.45	2,282.77	12.67	181.125	
2,600.00	2,592.49	2,484.59	2,477.52	6.96	6.21	17.60	644.82	2,345.57	2,286.40	2,273.37	13.02	175.576	
2,700.00	2,691.13	2,582.41	2,574.39	7.15	6.37	18.07	633.72	2,353.47	2,275.83	2,262.45	13.38	170.149	
2,800.00	2,789.47	2,679.95	2,670.98	7.35	6.53	18.57	622.66	2,361.34	2,263.75	2,250.02	13.73	164.840	
2,900.00	2,887.48	2,777.18	2,767.26	7.56	6.70	19.09	611.63	2,369.19	2,250.19	2,236.09	14.10	159.581	
2,904.03	2,891.42	2,781.09	2,771.13	7.56	6.70	19.11	611.19	2,369.51	2,249.61	2,235.50	14.12	159.372	
3,000.00	2,985.30	2,874.23	2,863.36	7.75	6.86	19.59	600.62	2,377.03	2,235.91	2,221.45	14.46	154.622	
3,100.00	3,083.11	2,971.27	2,959.47	7.95	7.03	20.08	589.61	2,384.86	2,221.80	2,206.98	14.83	149.839	
3,200.00	3,180.93	3,068.32	3,055.57	8.15	7.19	20.59	578.60	2,392.70	2,207.87	2,192.67	15.20	145.270	
3,300.00	3,278.75	3,165.37	3,151.67	8.36	7.36	21.10	567.59	2,400.54	2,194.11	2,178.54	15.57	140.902	
3,400.00	3,376.56	3,262.42	3,247.77	8.57	7.53	21.61	556.58	2,408.37	2,180.53	2,164.58	15.95	136.726	
3,500.00	3,474.38	3,359.46	3,343.87	8.78	7.70	22.14	545.57	2,416.21	2,167.14	2,150.81	16.33	132.732	
3,600.00	3,572.20	3,456.51	3,439.98	8.99	7.88	22.67	534.56	2,424.04	2,153.93	2,137.22	16.71	128.911	
3,700.00	3,670.01	3,553.56	3,536.08	9.21	8.05	23.20	523.55	2,431.88	2,140.91	2,123.82	17.09	125.253	
3,800.00	3,767.83	3,650.61	3,632.18	9.44	8.23	23.74	512.54	2,439.71	2,128.09	2,110.61	17.48	121.751	
3,900.00	3,865.64	3,747.65	3,728.28	9.67	8.40	24.29	501.53	2,447.55	2,115.46	2,097.59	17.87	118.395	
4,000.00	3,963.46	3,844.70	3,824.38	9.91	8.58	24.84	490.53	2,455.38	2,103.03	2,084.77	18.26	115.180	
4,063.13	4,025.21	3,905.97	3,885.05	10.05	8.69	25.20	483.57	2,460.33	2,095.29	2,076.81	18.49	113.346	
4,100.00	4,061.30	3,941.77	3,920.51	10.12	8.76	25.38	479.51	2,463.22	2,090.92	2,072.30	18.61	112.340	
4,200.00	4,159.42	4,039.11	4,016.90	10.36	8.94	25.89	468.47	2,471.08	2,080.26	2,061.25	19.00	109.460	
4,300.00	4,257.86	4,136.74	4,113.58	10.59	9.12	26.38	457.39	2,478.96	2,071.35	2,051.96	19.39	106.801	
4,400.00	4,356.59	4,234.66	4,210.54	10.80	9.31	26.87	446.29	2,486.87	2,064.19	2,044.41	19.78	104.350	
4,500.00	4,455.59	4,332.81	4,307.74	11.01	9.49	27.34	435.15	2,494.79	2,058.75	2,038.58	20.16	102.099	
4,600.00	4,554.82	4,431.18	4,405.15	11.20	9.68	27.81	423.99	2,502.73	2,055.01	2,034.47	20.54	100.038	
4,700.00	4,654.24	4,529.73	4,502.74	11.38	9.87	28.26	412.81	2,510.69	2,052.96	2,032.04	20.91	98.158	

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 135H - OH - Plan 1														Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)														Offset Well Error:	0.50 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Rule Assigned: Distance			Offset Well Error:		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)	Minimum Separation (usft)	Separation Factor			
0.00	0.00	0.00	0.00	0.50	0.50	180.00	-160.00	0.00	160.00						
100.00	100.00	100.00	100.00	0.98	0.98	180.00	-160.00	0.00	160.00	158.04	1.96	81.542			
200.00	200.00	200.00	200.00	1.56	1.56	180.00	-160.00	0.00	160.00	156.88	3.12	51.245			
300.00	300.00	300.00	300.00	1.98	1.98	180.00	-160.00	0.00	160.00	156.04	3.96	40.380			
400.00	400.00	400.00	400.00	2.33	2.33	180.00	-160.00	0.00	160.00	155.34	4.66	34.343			
500.00	500.00	500.00	500.00	2.63	2.63	180.00	-160.00	0.00	160.00	154.73	5.27	30.366			
600.00	600.00	600.00	600.00	2.91	2.91	180.00	-160.00	0.00	160.00	154.18	5.82	27.491			
700.00	700.00	700.00	700.00	3.16	3.16	180.00	-160.00	0.00	160.00	153.67	6.33	25.286			
800.00	800.00	800.00	800.00	3.40	3.40	180.00	-160.00	0.00	160.00	153.20	6.80	23.525			
900.00	899.99	904.06	904.05	3.68	3.69	122.40	-158.67	-0.49	159.42	152.10	7.32	21.786			
1,000.00	999.91	1,007.64	1,007.54	3.93	3.96	124.21	-154.71	-1.95	157.79	149.99	7.80	20.236			
1,100.00	1,099.69	1,107.35	1,107.11	4.18	4.16	126.93	-149.82	-3.75	156.80	148.58	8.22	19.076			
1,101.00	1,100.69	1,108.35	1,108.11	4.18	4.16	126.96	-149.77	-3.77	156.80	148.58	8.22	19.070			
1,133.33	1,132.91	1,140.56	1,140.27	4.21	4.23	128.00	-148.19	-4.35	156.91	148.60	8.31	18.882			
1,200.00	1,199.32	1,206.94	1,206.56	4.29	4.35	130.22	-144.93	-5.56	157.48	148.96	8.52	18.482			
1,300.00	1,298.94	1,308.56	1,308.02	4.49	4.47	133.66	-139.52	-7.55	158.42	149.59	8.83	17.937			
1,400.00	1,398.56	1,411.54	1,410.66	4.68	4.72	137.62	-131.70	-10.43	157.92	148.67	9.25	17.065			
1,500.00	1,498.18	1,514.09	1,512.60	4.88	4.95	142.22	-121.33	-14.25	156.09	146.45	9.65	16.179			
1,600.00	1,597.80	1,614.22	1,611.90	5.07	5.08	147.33	-109.23	-18.71	153.75	143.80	9.95	15.446			
1,700.00	1,697.42	1,713.21	1,710.05	5.26	5.27	152.55	-97.10	-23.18	152.55	142.22	10.33	14.762			
1,741.57	1,738.83	1,754.36	1,750.84	5.34	5.35	154.74	-92.06	-25.04	152.44	141.95	10.49	14.531	CC, ES		
1,800.00	1,797.04	1,812.21	1,808.20	5.45	5.47	157.81	-84.98	-27.65	152.67	141.96	10.71	14.255			
1,900.00	1,896.66	1,911.20	1,906.34	5.64	5.66	163.02	-72.85	-32.12	154.08	143.00	11.08	13.905			
2,000.00	1,996.28	2,010.20	2,004.49	5.82	5.85	168.09	-60.73	-36.59	156.76	145.31	11.45	13.693			
2,100.00	2,095.90	2,109.19	2,102.64	6.01	6.05	172.96	-48.60	-41.06	160.65	148.83	11.81	13.600			
2,200.00	2,195.52	2,208.19	2,200.79	6.20	6.24	177.57	-36.48	-45.53	165.65	153.47	12.18	13.599			
2,204.50	2,200.00	2,212.64	2,205.20	6.21	6.25	177.77	-35.93	-45.73	165.90	153.70	12.20	13.601			
2,300.00	2,295.06	2,307.13	2,298.89	6.38	6.43	-178.12	-24.36	-50.00	172.47	159.94	12.53	13.760			
2,400.00	2,394.43	2,405.94	2,396.85	6.57	6.63	-174.20	-12.26	-54.46	181.93	169.04	12.89	14.109			
2,500.00	2,493.58	2,504.58	2,494.65	6.77	6.82	-170.75	-0.18	-58.91	193.87	180.61	13.26	14.624			
2,600.00	2,592.49	2,603.03	2,592.26	6.96	7.01	-167.80	11.88	-63.36	208.11	194.49	13.62	15.279			
2,700.00	2,691.13	2,701.26	2,689.64	7.15	7.20	-165.32	23.91	-67.79	224.49	210.50	13.99	16.050			
2,800.00	2,789.47	2,799.23	2,786.78	7.35	7.39	-163.28	35.91	-72.21	242.85	228.50	14.36	16.917			
2,900.00	2,887.48	2,896.92	2,883.63	7.56	7.58	-161.63	47.88	-76.62	263.09	248.36	14.73	17.857			
2,904.03	2,891.42	2,900.85	2,887.53	7.56	7.59	-161.57	48.36	-76.80	263.94	249.19	14.75	17.896			
3,000.00	2,985.30	2,994.44	2,980.32	7.75	7.77	-160.33	59.82	-81.03	284.36	269.26	15.10	18.829			
3,100.00	3,083.11	3,091.97	3,077.01	7.95	7.96	-159.21	71.76	-85.43	305.75	290.27	15.48	19.755			
3,200.00	3,180.93	3,189.49	3,173.69	8.15	8.15	-158.24	83.71	-89.83	327.24	311.39	15.85	20.640			
3,300.00	3,278.75	3,287.01	3,270.38	8.36	8.34	-157.39	95.65	-94.24	348.81	332.57	16.23	21.487			
3,400.00	3,376.56	3,384.53	3,367.07	8.57	8.53	-156.64	107.60	-98.64	370.44	353.83	16.61	22.297			
3,500.00	3,474.38	3,482.06	3,463.76	8.78	8.72	-155.97	119.54	-103.04	392.13	375.13	17.00	23.071			
3,600.00	3,572.20	3,579.58	3,560.45	8.99	8.91	-155.37	131.49	-107.45	413.86	396.48	17.38	23.812			
3,700.00	3,670.01	3,677.10	3,657.14	9.21	9.09	-154.83	143.43	-111.85	435.63	417.86	17.77	24.520			
3,800.00	3,767.83	3,774.63	3,753.83	9.44	9.28	-154.34	155.38	-116.25	457.43	439.28	18.15	25.199			
3,900.00	3,865.64	3,872.15	3,850.52	9.67	9.47	-153.90	167.32	-120.65	479.27	460.73	18.54	25.849			
4,000.00	3,963.46	3,969.67	3,947.20	9.91	9.66	-153.49	179.26	-125.06	501.13	482.20	18.93	26.471			
4,063.13	4,025.21	4,031.24	4,008.24	10.05	9.78	-153.25	186.80	-127.84	514.94	495.78	19.16	26.880			
4,100.00	4,061.30	4,067.22	4,043.91	10.12	9.85	-153.15	191.21	-129.46	522.90	503.62	19.28	27.117			
4,200.00	4,159.42	4,165.00	4,140.86	10.36	10.04	-152.83	203.19	-133.88	543.49	523.81	19.67	27.628			
4,300.00	4,257.86	4,263.06	4,238.08	10.59	10.23	-152.45	215.20	-138.30	562.58	542.52	20.06	28.049			
4,400.00	4,356.59	4,361.36	4,335.54	10.80	10.42	-152.02	227.24	-142.74	580.19	559.75	20.44	28.387			
4,500.00	4,455.59	4,459.88	4,433.22	11.01	10.61	-151.52	239.30	-147.19	596.33	575.52	20.82	28.647			

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 135H - OH - Plan 1

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)							Rule Assigned:				Offset Well Error:		0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
4,600.00	4,554.82	4,558.58	4,531.07	11.20	10.80	-150.97	251.39	-151.65	611.02	589.83	21.19	28.837	
4,700.00	4,654.24	4,657.44	4,629.09	11.38	10.99	-150.37	263.50	-156.11	624.28	602.72	21.56	28.960	
4,800.00	4,753.84	4,759.48	4,730.30	11.54	11.20	-149.72	275.60	-160.57	635.99	614.07	21.92	29.009	
4,900.00	4,853.58	4,864.57	4,834.84	11.69	11.41	-149.20	285.65	-164.27	645.49	623.22	22.28	28.974	
5,000.00	4,953.43	4,970.18	4,940.16	11.83	11.62	-148.85	293.03	-166.99	652.64	630.04	22.60	28.872	
5,100.00	5,053.36	5,076.16	5,046.02	11.97	11.81	-148.64	297.69	-168.71	657.39	634.49	22.90	28.708	
5,200.00	5,153.34	5,182.34	5,152.18	12.09	11.97	-148.58	299.59	-169.41	659.72	636.56	23.16	28.490	
5,262.66	5,216.00	5,246.16	5,216.00	12.13	12.03	-90.39	299.64	-169.43	660.03	636.76	23.26	28.374	
5,300.00	5,253.34	5,283.50	5,253.34	12.15	12.07	-90.39	299.64	-169.43	660.03	636.72	23.31	28.319	
5,400.00	5,353.34	5,383.50	5,353.34	12.23	12.15	-90.39	299.64	-169.43	660.03	636.55	23.47	28.119	
5,500.00	5,453.34	5,483.50	5,453.34	12.31	12.24	-90.39	299.64	-169.43	660.03	636.39	23.64	27.922	
5,600.00	5,553.34	5,583.50	5,553.34	12.39	12.33	-90.39	299.64	-169.43	660.03	636.22	23.80	27.727	
5,700.00	5,653.34	5,683.50	5,653.34	12.47	12.42	-90.39	299.64	-169.43	660.03	636.05	23.97	27.535	
5,800.00	5,753.34	5,783.50	5,753.34	12.55	12.50	-90.39	299.64	-169.43	660.03	635.89	24.14	27.346	
5,900.00	5,853.34	5,883.50	5,853.34	12.63	12.59	-90.39	299.64	-169.43	660.03	635.72	24.30	27.159	
6,000.00	5,953.34	5,983.50	5,953.34	12.71	12.68	-90.39	299.64	-169.43	660.03	635.56	24.47	26.975	
6,100.00	6,053.34	6,083.50	6,053.34	12.79	12.77	-90.39	299.64	-169.43	660.03	635.39	24.63	26.794	
6,200.00	6,153.34	6,183.50	6,153.34	12.87	12.85	-90.39	299.64	-169.43	660.03	635.23	24.80	26.615	
6,300.00	6,253.34	6,283.50	6,253.34	12.95	12.94	-90.39	299.64	-169.43	660.03	635.06	24.96	26.438	
6,400.00	6,353.34	6,383.50	6,353.34	13.03	13.03	-90.39	299.64	-169.43	660.03	634.89	25.13	26.264	
6,500.00	6,453.34	6,483.50	6,453.34	13.12	13.11	-90.39	299.64	-169.43	660.03	634.73	25.30	26.092	
6,600.00	6,553.34	6,583.50	6,553.34	13.20	13.20	-90.39	299.64	-169.43	660.03	634.56	25.46	25.922	
6,700.00	6,653.34	6,683.50	6,653.34	13.28	13.29	-90.39	299.64	-169.43	660.03	634.40	25.63	25.755	
6,800.00	6,753.34	6,783.50	6,753.34	13.36	13.38	-90.39	299.64	-169.43	660.03	634.23	25.79	25.590	
6,900.00	6,853.34	6,883.50	6,853.34	13.44	13.46	-90.39	299.64	-169.43	660.03	634.07	25.96	25.427	
7,000.00	6,953.34	6,983.50	6,953.34	13.52	13.55	-90.39	299.64	-169.43	660.03	633.90	26.12	25.266	
7,100.00	7,053.34	7,083.50	7,053.34	13.60	13.64	-90.39	299.64	-169.43	660.03	633.74	26.29	25.107	
7,200.00	7,153.34	7,183.50	7,153.34	13.68	13.72	-90.39	299.64	-169.43	660.03	633.57	26.45	24.950	
7,300.00	7,253.34	7,283.50	7,253.34	13.76	13.81	-90.39	299.64	-169.43	660.03	633.41	26.62	24.795	
7,400.00	7,353.34	7,383.50	7,353.34	13.84	13.90	-90.39	299.64	-169.43	660.03	633.24	26.78	24.642	
7,500.00	7,453.34	7,483.50	7,453.34	13.93	13.98	-90.39	299.64	-169.43	660.03	633.08	26.95	24.491	
7,600.00	7,553.34	7,583.50	7,553.34	14.01	14.07	-90.39	299.64	-169.43	660.03	632.91	27.11	24.342	
7,700.00	7,653.34	7,683.50	7,653.34	14.09	14.15	-90.39	299.64	-169.43	660.03	632.75	27.28	24.194	
7,800.00	7,753.34	7,783.50	7,753.34	14.17	14.24	-90.39	299.64	-169.43	660.03	632.58	27.45	24.049	
7,900.00	7,853.34	7,883.50	7,853.34	14.25	14.33	-90.39	299.64	-169.43	660.03	632.41	27.61	23.905	
8,000.00	7,953.34	7,983.50	7,953.34	14.33	14.41	-90.39	299.64	-169.43	660.03	632.25	27.78	23.763	
8,100.00	8,053.34	8,083.50	8,053.34	14.41	14.50	-90.39	299.64	-169.43	660.03	632.08	27.94	23.622	
8,200.00	8,153.34	8,183.50	8,153.34	14.49	14.59	-90.39	299.64	-169.43	660.03	631.92	28.11	23.484	
8,300.00	8,253.34	8,283.50	8,253.34	14.57	14.67	-90.39	299.64	-169.43	660.03	631.75	28.27	23.347	
8,400.00	8,353.34	8,383.50	8,353.34	14.65	14.76	-90.39	299.64	-169.43	660.03	631.59	28.44	23.211	
8,500.00	8,453.34	8,483.50	8,453.34	14.74	14.84	-90.39	299.64	-169.43	660.03	631.42	28.60	23.077	
8,600.00	8,553.34	8,583.50	8,553.34	14.82	14.93	-90.39	299.64	-169.43	660.03	631.26	28.77	22.945	
8,700.00	8,653.34	8,683.50	8,653.34	14.90	15.02	-90.39	299.64	-169.43	660.03	631.09	28.93	22.814	
8,800.00	8,753.34	8,783.50	8,753.34	14.98	15.10	-90.39	299.64	-169.43	660.03	630.93	29.10	22.685	
8,900.00	8,853.34	8,883.50	8,853.34	15.06	15.19	-90.39	299.64	-169.43	660.03	630.77	29.26	22.557	
9,000.00	8,953.34	8,983.50	8,953.34	15.14	15.27	-90.39	299.64	-169.43	660.03	630.60	29.43	22.431	
9,100.00	9,053.34	9,083.50	9,053.34	15.22	15.36	-90.39	299.64	-169.43	660.03	630.44	29.59	22.306	
9,200.00	9,153.34	9,183.50	9,153.34	15.30	15.44	-90.39	299.64	-169.43	660.03	630.27	29.75	22.182	
9,300.00	9,253.34	9,283.50	9,253.34	15.38	15.53	-90.39	299.64	-169.43	660.03	630.11	29.92	22.060	
9,400.00	9,353.34	9,383.50	9,353.34	15.47	15.62	-90.39	299.64	-169.43	660.03	629.94	30.08	21.939	
9,500.00	9,453.34	9,483.50	9,453.34	15.55	15.70	-90.39	299.64	-169.43	660.03	629.78	30.25	21.820	
9,600.00	9,553.34	9,583.50	9,553.34	15.63	15.79	-90.39	299.64	-169.43	660.03	629.61	30.41	21.702	

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 135H - OH - Plan 1

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:				Offset Well Error:		0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)		
13,700.00	12,136.44	13,682.71	12,134.45	26.89	24.27	89.83	-1,474.76	-154.15	660.03	609.93	50.10	13.175
13,800.00	12,137.31	13,782.71	12,135.32	27.93	25.31	89.83	-1,574.75	-153.29	660.03	607.78	52.25	12.633
13,900.00	12,138.18	13,882.71	12,136.19	29.00	26.39	89.83	-1,674.74	-152.43	660.03	605.58	54.45	12.122
14,000.00	12,139.05	13,982.71	12,137.06	30.09	27.50	89.83	-1,774.73	-151.57	660.03	603.33	56.70	11.642
14,100.00	12,139.93	14,082.71	12,137.93	31.21	28.63	89.83	-1,874.73	-150.71	660.03	601.04	58.99	11.190
14,200.00	12,140.80	14,182.71	12,138.80	32.34	29.78	89.83	-1,974.72	-149.85	660.03	598.71	61.31	10.765
14,300.00	12,141.67	14,282.71	12,139.68	33.50	30.94	89.83	-2,074.71	-148.99	660.03	596.35	63.67	10.366
14,400.00	12,142.54	14,382.71	12,140.55	34.67	32.13	89.83	-2,174.70	-148.13	660.03	593.97	66.06	9.991
14,500.00	12,143.41	14,482.71	12,141.42	35.85	33.33	89.83	-2,274.70	-147.26	660.03	591.55	68.48	9.639
14,600.00	12,144.28	14,582.71	12,142.29	37.05	34.54	89.83	-2,374.69	-146.40	660.03	589.11	70.92	9.307
14,700.00	12,145.15	14,682.71	12,143.16	38.26	35.76	89.83	-2,474.68	-145.54	660.03	586.65	73.38	8.995
14,800.00	12,146.02	14,782.71	12,144.03	39.48	37.00	89.83	-2,574.67	-144.68	660.03	584.17	75.86	8.701
14,900.00	12,146.90	14,882.71	12,144.90	40.71	38.24	89.83	-2,674.67	-143.82	660.03	581.67	78.35	8.424
15,000.00	12,147.77	14,982.71	12,145.77	41.95	39.49	89.83	-2,774.66	-142.96	660.03	579.16	80.87	8.162
15,100.00	12,148.64	15,082.71	12,146.65	43.20	40.75	89.83	-2,874.65	-142.10	660.03	576.63	83.39	7.915
15,200.00	12,149.51	15,182.71	12,147.52	44.45	42.02	89.83	-2,974.64	-141.24	660.03	574.09	85.93	7.681
15,300.00	12,150.38	15,282.71	12,148.39	45.71	43.29	89.83	-3,074.64	-140.38	660.03	571.54	88.49	7.459
15,400.00	12,151.25	15,382.71	12,149.26	46.98	44.57	89.83	-3,174.63	-139.52	660.03	568.98	91.05	7.249
15,500.00	12,152.12	15,482.71	12,150.13	48.25	45.86	89.83	-3,274.62	-138.65	660.03	566.41	93.62	7.050
15,600.00	12,153.00	15,582.71	12,151.00	49.53	47.15	89.83	-3,374.61	-137.79	660.03	563.82	96.20	6.861
15,700.00	12,153.87	15,682.71	12,151.87	50.82	48.44	89.83	-3,474.61	-136.93	660.03	561.23	98.80	6.681
15,800.00	12,154.74	15,782.71	12,152.75	52.10	49.74	89.83	-3,574.60	-136.07	660.03	558.63	101.39	6.510
15,900.00	12,155.61	15,882.71	12,153.62	53.40	51.04	89.83	-3,674.59	-135.21	660.03	556.03	104.00	6.346
16,000.00	12,156.48	15,982.71	12,154.49	54.69	52.34	89.83	-3,774.58	-134.35	660.03	553.42	106.61	6.191
16,100.00	12,157.35	16,082.71	12,155.36	55.99	53.65	89.83	-3,874.58	-133.49	660.03	550.80	109.23	6.043
16,200.00	12,158.22	16,182.71	12,156.23	57.29	54.96	89.83	-3,974.57	-132.63	660.03	548.17	111.85	5.901
16,300.00	12,159.10	16,282.71	12,157.10	58.60	56.28	89.83	-4,074.56	-131.77	660.03	545.54	114.48	5.765
16,400.00	12,159.97	16,382.71	12,157.97	59.91	57.59	89.83	-4,174.55	-130.91	660.03	542.91	117.12	5.636
16,500.00	12,160.84	16,482.71	12,158.84	61.22	58.91	89.83	-4,274.55	-130.05	660.03	540.27	119.76	5.511
16,600.00	12,161.71	16,582.71	12,159.72	62.53	60.23	89.83	-4,374.54	-129.18	660.03	537.63	122.40	5.392
16,700.00	12,162.58	16,682.71	12,160.59	63.85	61.56	89.83	-4,474.53	-128.32	660.03	534.98	125.05	5.278
16,800.00	12,163.45	16,782.71	12,161.46	65.17	62.88	89.83	-4,574.52	-127.46	660.03	532.33	127.70	5.168
16,900.00	12,164.32	16,882.71	12,162.33	66.49	64.21	89.83	-4,674.52	-126.60	660.03	529.67	130.36	5.063
17,000.00	12,165.20	16,982.71	12,163.20	67.81	65.54	89.83	-4,774.51	-125.74	660.03	527.01	133.02	4.962
17,100.00	12,166.07	17,082.71	12,164.07	69.14	66.87	89.83	-4,874.50	-124.88	660.03	524.35	135.68	4.865
17,200.00	12,166.94	17,182.71	12,164.94	70.46	68.20	89.83	-4,974.49	-124.02	660.03	521.68	138.35	4.771
17,300.00	12,167.81	17,282.71	12,165.81	71.79	69.54	89.83	-5,074.49	-123.16	660.03	519.02	141.01	4.681
17,400.00	12,168.68	17,382.71	12,166.69	73.12	70.87	89.83	-5,174.48	-122.30	660.03	516.34	143.68	4.594
17,500.00	12,169.55	17,482.71	12,167.56	74.45	72.21	89.83	-5,274.47	-121.44	660.03	513.67	146.36	4.510
17,600.00	12,170.42	17,582.71	12,168.43	75.78	73.55	89.83	-5,374.46	-120.57	660.03	511.00	149.03	4.429
17,700.00	12,171.30	17,682.71	12,169.30	77.12	74.88	89.83	-5,474.46	-119.71	660.03	508.32	151.71	4.351
17,800.00	12,172.17	17,782.71	12,170.17	78.45	76.22	89.83	-5,574.45	-118.85	660.03	505.64	154.39	4.275
17,900.00	12,173.04	17,882.71	12,171.04	79.79	77.56	89.83	-5,674.44	-117.99	660.03	502.96	157.07	4.202
18,000.00	12,173.91	17,982.71	12,171.91	81.12	78.91	89.83	-5,774.43	-117.13	660.03	500.27	159.76	4.131
18,100.00	12,174.78	18,082.71	12,172.78	82.46	80.25	89.83	-5,874.43	-116.27	660.03	497.59	162.44	4.063
18,200.00	12,175.65	18,182.71	12,173.66	83.80	81.59	89.83	-5,974.42	-115.41	660.03	494.90	165.13	3.997
18,300.00	12,176.52	18,282.71	12,174.53	85.14	82.94	89.83	-6,074.41	-114.55	660.03	492.21	167.82	3.933
18,400.00	12,177.40	18,382.71	12,175.40	86.48	84.28	89.83	-6,174.40	-113.69	660.03	489.52	170.51	3.871
18,500.00	12,178.27	18,482.71	12,176.27	87.83	85.63	89.83	-6,274.40	-112.83	660.03	486.82	173.20	3.811
18,600.00	12,179.14	18,582.71	12,177.14	89.17	86.98	89.83	-6,374.39	-111.97	660.03	484.13	175.90	3.752
18,700.00	12,180.01	18,682.71	12,178.01	90.51	88.32	89.83	-6,474.38	-111.10	660.03	481.43	178.59	3.696
18,800.00	12,180.88	18,782.71	12,178.88	91.86	89.67	89.83	-6,574.37	-110.24	660.03	478.74	181.29	3.641

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 135H - OH - Plan 1

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)												Rule Assigned:			
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
18,900.00	12,181.75	18,882.71	12,179.75	93.20	91.02	89.83	-6,674.37	-109.38	660.03	476.04	183.99	3.587			
19,000.00	12,182.62	18,982.71	12,180.63	94.55	92.37	89.83	-6,774.36	-108.52	660.03	473.34	186.69	3.535			
19,100.00	12,183.49	19,082.71	12,181.50	95.90	93.72	89.83	-6,874.35	-107.66	660.03	470.64	189.39	3.485			
19,200.00	12,184.37	19,182.71	12,182.37	97.24	95.07	89.83	-6,974.34	-106.80	660.03	467.94	192.09	3.436			
19,300.00	12,185.24	19,282.71	12,183.24	98.59	96.42	89.83	-7,074.34	-105.94	660.03	465.24	194.79	3.388			
19,400.00	12,186.11	19,382.71	12,184.11	99.94	97.78	89.83	-7,174.33	-105.08	660.03	462.53	197.50	3.342			
19,500.00	12,186.98	19,482.71	12,184.98	101.29	99.13	89.83	-7,274.32	-104.22	660.03	459.83	200.20	3.297			
19,600.00	12,187.85	19,582.71	12,185.85	102.64	100.48	89.83	-7,374.31	-103.36	660.03	457.12	202.91	3.253			
19,700.00	12,188.72	19,682.71	12,186.72	103.99	101.83	89.83	-7,474.31	-102.49	660.03	454.42	205.61	3.210			
19,800.00	12,189.59	19,782.71	12,187.60	105.34	103.19	89.83	-7,574.30	-101.63	660.03	451.71	208.32	3.168			
19,900.00	12,190.47	19,882.71	12,188.47	106.69	104.54	89.83	-7,674.29	-100.77	660.03	449.00	211.03	3.128			
20,000.00	12,191.34	19,982.71	12,189.34	108.04	105.90	89.83	-7,774.28	-99.91	660.03	446.29	213.74	3.088			
20,100.00	12,192.21	20,082.71	12,190.21	109.39	107.25	89.83	-7,874.28	-99.05	660.03	443.58	216.45	3.049			
20,200.00	12,193.08	20,182.71	12,191.08	110.75	108.61	89.83	-7,974.27	-98.19	660.03	440.87	219.16	3.012			
20,300.00	12,193.95	20,282.71	12,191.95	112.10	109.96	89.83	-8,074.26	-97.33	660.03	438.16	221.87	2.975			
20,400.00	12,194.82	20,382.71	12,192.82	113.45	111.32	89.83	-8,174.25	-96.47	660.03	435.45	224.58	2.939			
20,500.00	12,195.69	20,482.71	12,193.69	114.81	112.68	89.83	-8,274.25	-95.61	660.03	432.74	227.29	2.904			
20,600.00	12,196.57	20,582.71	12,194.57	116.16	114.03	89.83	-8,374.24	-94.75	660.03	430.02	230.01	2.870			
20,700.00	12,197.44	20,682.71	12,195.44	117.52	115.39	89.83	-8,474.23	-93.89	660.03	427.31	232.72	2.836			
20,800.00	12,198.31	20,782.71	12,196.31	118.87	116.75	89.83	-8,574.22	-93.02	660.03	424.60	235.43	2.803			
20,900.00	12,199.18	20,882.71	12,197.18	120.23	118.10	89.83	-8,674.22	-92.16	660.03	421.88	238.15	2.772			
21,000.00	12,200.05	20,982.71	12,198.05	121.58	119.46	89.83	-8,774.21	-91.30	660.03	419.17	240.86	2.740			
21,100.00	12,200.92	21,082.71	12,198.92	122.94	120.82	89.83	-8,874.20	-90.44	660.03	416.45	243.58	2.710			
21,200.00	12,201.79	21,182.71	12,199.79	124.29	122.18	89.83	-8,974.19	-89.58	660.03	413.73	246.30	2.680			
21,300.00	12,202.67	21,282.71	12,200.66	125.65	123.54	89.83	-9,074.19	-88.72	660.03	411.02	249.01	2.651			
21,400.00	12,203.54	21,382.71	12,201.54	127.01	124.90	89.83	-9,174.18	-87.86	660.03	408.30	251.73	2.622			
21,500.00	12,204.41	21,482.71	12,202.41	128.36	126.25	89.83	-9,274.17	-87.00	660.03	405.58	254.45	2.594			
21,600.00	12,205.28	21,582.71	12,203.28	129.72	127.61	89.83	-9,374.16	-86.14	660.03	402.86	257.17	2.567			
21,700.00	12,206.15	21,682.71	12,204.15	131.08	128.97	89.83	-9,474.16	-85.28	660.03	400.14	259.89	2.540			
21,800.00	12,207.02	21,782.71	12,205.02	132.44	130.33	89.83	-9,574.15	-84.41	660.03	397.42	262.61	2.513			
21,900.00	12,207.89	21,882.71	12,205.89	133.79	131.69	89.83	-9,674.14	-83.55	660.03	394.70	265.33	2.488			
22,000.00	12,208.77	21,982.71	12,206.76	135.15	133.05	89.83	-9,774.13	-82.69	660.03	391.98	268.05	2.462			
22,100.00	12,209.64	22,082.71	12,207.63	136.51	134.41	89.83	-9,874.13	-81.83	660.03	389.26	270.77	2.438			
22,200.00	12,210.51	22,182.71	12,208.51	137.87	135.77	89.83	-9,974.12	-80.97	660.03	386.54	273.49	2.413			
22,300.00	12,211.38	22,282.71	12,209.38	139.23	137.14	89.83	-10,074.11	-80.11	660.03	383.82	276.21	2.390			
22,400.00	12,212.25	22,382.71	12,210.25	140.59	138.50	89.83	-10,174.10	-79.25	660.03	381.10	278.93	2.366			
22,428.60	12,212.50	22,411.31	12,210.50	140.94	138.87	89.83	-10,202.70	-79.00	660.03	380.38	279.65	2.360	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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 137H - OH - Plan 1

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)							Rule Assigned:					Offset Well Error:		0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre			Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)			
0.00	0.00	0.00	0.00	0.50	0.50	0.00	25.00	0.00	25.00					
100.00	100.00	100.00	100.00	0.98	0.98	0.00	25.00	0.00	25.00	23.04	1.96	12.741	CC ES	
200.00	200.00	200.00	200.00	1.56	1.56	0.00	25.00	0.00	25.00	21.88	3.12	8.007		
300.00	300.00	300.00	300.00	1.98	1.98	0.00	25.00	0.00	25.00	21.04	3.96	6.309		
400.00	400.00	399.82	399.81	2.33	2.41	2.86	25.31	1.27	25.34	20.68	4.66	5.436		
500.00	500.00	499.51	499.41	2.63	2.78	10.91	26.25	5.06	26.74	21.45	5.29	5.057		
600.00	600.00	598.92	598.61	2.91	3.11	22.21	27.80	11.35	30.06	24.18	5.88	5.111		
700.00	700.00	698.38	697.71	3.16	3.25	33.32	29.84	19.62	35.78	29.47	6.31	5.672		
800.00	800.00	798.00	796.95	3.40	3.50	41.31	31.91	28.05	42.60	35.78	6.82	6.245		
900.00	899.99	897.72	896.29	3.68	3.73	-11.46	34.00	36.49	48.73	41.37	7.35	6.629		
1,000.00	999.91	997.58	995.77	3.93	3.97	-7.63	36.08	44.94	52.60	44.75	7.85	6.698		
1,100.00	1,099.69	1,097.53	1,095.34	4.18	4.19	-4.56	38.16	53.39	54.06	45.72	8.34	6.484		
1,133.33	1,132.91	1,130.85	1,128.53	4.21	4.27	-3.61	38.86	56.21	54.00	45.56	8.44	6.399		
1,200.00	1,199.32	1,197.49	1,194.92	4.29	4.42	-1.72	40.25	61.85	53.64	44.96	8.68	6.182		
1,300.00	1,298.94	1,297.45	1,294.50	4.49	4.64	1.15	42.34	70.31	53.20	44.10	9.10	5.847		
1,400.00	1,398.56	1,397.42	1,394.09	4.68	4.85	4.07	44.42	78.77	52.90	43.39	9.52	5.560		
1,500.00	1,498.18	1,497.38	1,493.67	4.88	5.06	7.01	46.51	87.23	52.74	42.82	9.92	5.314		
1,565.25	1,563.18	1,562.60	1,558.64	5.00	5.20	8.94	47.87	92.75	52.71	42.52	10.19	5.174		
1,600.00	1,597.80	1,597.34	1,593.25	5.07	5.27	9.97	48.59	95.69	52.72	42.39	10.33	5.105		
1,700.00	1,697.42	1,697.30	1,692.83	5.26	5.48	12.92	50.68	104.15	52.84	42.12	10.72	4.928		
1,800.00	1,797.04	1,797.27	1,792.42	5.45	5.68	15.84	52.76	112.61	53.10	41.98	11.11	4.779		
1,900.00	1,896.66	1,897.23	1,892.00	5.64	5.89	18.74	54.85	121.07	53.49	42.00	11.49	4.654		
2,000.00	1,996.28	1,997.19	1,991.58	5.82	6.09	21.58	56.93	129.52	54.02	42.15	11.87	4.552		
2,100.00	2,095.90	2,097.16	2,091.16	6.01	6.29	24.36	59.02	137.98	54.68	42.44	12.24	4.468		
2,200.00	2,195.52	2,197.12	2,190.75	6.20	6.50	27.07	61.11	146.44	55.46	42.85	12.62	4.395		
2,204.50	2,200.00	2,201.62	2,195.23	6.21	6.51	27.19	61.20	146.82	55.50	42.87	12.64	4.393		
2,300.00	2,295.06	2,295.79	2,288.94	6.38	6.71	29.83	63.41	155.80	56.72	43.75	12.97	4.373		
2,400.00	2,394.43	2,394.26	2,386.66	6.57	6.93	32.73	66.32	167.59	59.11	45.78	13.34	4.433		
2,500.00	2,493.58	2,492.65	2,483.95	6.77	7.16	35.60	69.82	181.80	62.69	48.99	13.69	4.578		
2,600.00	2,592.49	2,590.91	2,580.70	6.96	7.39	38.29	73.92	198.41	67.44	53.39	14.05	4.800		
2,700.00	2,691.13	2,689.01	2,676.83	7.15	7.62	40.71	78.60	217.41	73.37	58.97	14.41	5.093		
2,800.00	2,789.47	2,786.92	2,772.24	7.35	7.85	42.82	83.86	238.75	80.46	65.69	14.77	5.446		
2,900.00	2,887.48	2,884.84	2,867.07	7.56	8.04	44.62	89.70	262.44	88.67	73.55	15.12	5.864		
2,904.03	2,891.42	2,888.85	2,870.94	7.56	8.05	44.69	89.95	263.45	89.01	73.88	15.13	5.882		
3,000.00	2,985.30	2,984.44	2,963.27	7.75	8.24	46.30	95.87	287.48	97.18	81.65	15.52	6.261		
3,100.00	3,083.11	3,084.04	3,059.48	7.95	8.46	47.71	102.04	312.51	105.75	89.80	15.95	6.630		
3,200.00	3,180.93	3,183.64	3,155.68	8.15	8.67	48.91	108.21	337.55	114.38	97.99	16.39	6.979		
3,300.00	3,278.75	3,283.24	3,251.89	8.36	8.89	49.94	114.38	362.58	123.06	106.22	16.84	7.309		
3,400.00	3,376.56	3,382.84	3,348.09	8.57	9.12	50.84	120.56	387.62	131.76	114.47	17.29	7.620		
3,500.00	3,474.38	3,482.44	3,444.30	8.78	9.37	51.62	126.73	412.65	140.50	122.75	17.75	7.914		
3,600.00	3,572.20	3,582.04	3,540.50	8.99	9.65	52.32	132.90	437.69	149.26	131.04	18.22	8.191		
3,700.00	3,670.01	3,681.64	3,636.71	9.21	9.94	52.93	139.07	462.72	158.04	139.34	18.70	8.453		
3,800.00	3,767.83	3,781.24	3,732.91	9.44	10.24	53.48	145.24	487.76	166.83	147.66	19.18	8.700		
3,900.00	3,865.64	3,880.84	3,829.12	9.67	10.55	53.98	151.41	512.79	175.64	155.98	19.66	8.934		
4,000.00	3,963.46	3,980.44	3,925.32	9.91	10.87	54.43	157.58	537.83	184.46	164.31	20.15	9.156		
4,063.13	4,025.21	4,043.32	3,986.06	10.05	11.07	54.69	161.48	553.63	190.03	169.60	20.44	9.298		
4,100.00	4,061.30	4,080.04	4,021.52	10.12	11.18	54.83	163.75	562.86	193.36	172.76	20.60	9.386		
4,200.00	4,159.42	4,179.56	4,117.66	10.36	11.50	54.93	169.92	587.88	203.06	181.98	21.08	9.631		
4,300.00	4,257.86	4,278.98	4,213.68	10.59	11.82	54.65	176.08	612.86	213.77	192.21	21.55	9.918		
4,400.00	4,356.59	4,378.25	4,309.57	10.80	12.14	54.06	182.23	637.82	225.50	203.49	22.01	10.246		
4,500.00	4,455.59	4,477.35	4,405.30	11.01	12.47	53.20	188.37	662.73	238.29	215.85	22.44	10.617		
4,600.00	4,554.82	4,576.25	4,500.82	11.20	12.79	52.13	194.50	687.58	252.20	229.34	22.86	11.031		

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)		Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)							
4,700.00	4,654.24	4,674.92	4,596.13	11.38	13.11	50.90	200.61	712.38	267.30	244.04	23.27	11.489			
4,800.00	4,753.84	4,773.32	4,691.18	11.54	13.44	49.55	206.71	737.12	283.65	259.99	23.65	11.992			
4,900.00	4,853.58	4,871.44	4,785.94	11.69	13.76	48.12	212.78	761.78	301.30	277.28	24.03	12.541			
5,000.00	4,953.43	4,969.22	4,880.40	11.83	14.09	46.64	218.84	786.36	320.33	295.95	24.39	13.136			
5,100.00	5,053.36	5,066.66	4,974.51	11.97	14.41	45.15	224.88	810.85	340.79	316.06	24.73	13.779			
5,200.00	5,153.34	5,163.72	5,068.26	12.09	14.74	43.65	230.89	835.24	362.73	337.66	25.07	14.471			
5,262.66	5,216.00	5,224.33	5,126.80	12.13	14.94	100.93	234.65	850.48	377.24	352.00	25.24	14.946			
5,300.00	5,253.34	5,260.39	5,161.64	12.15	15.06	100.33	236.88	859.54	386.09	360.76	25.33	15.241			
5,400.00	5,353.34	5,356.98	5,254.94	12.23	15.39	98.85	242.87	883.82	409.97	384.35	25.62	16.002			
5,500.00	5,453.34	5,453.57	5,348.24	12.31	15.71	97.54	248.85	908.10	434.08	408.17	25.91	16.754			
5,600.00	5,553.34	5,550.16	5,441.53	12.39	16.04	96.37	254.84	932.38	458.38	432.18	26.20	17.496			
5,700.00	5,653.34	5,646.76	5,534.83	12.47	16.37	95.31	260.82	956.66	482.85	456.36	26.49	18.226			
5,800.00	5,753.34	5,743.35	5,628.13	12.55	16.69	94.35	266.81	980.94	507.46	480.68	26.79	18.945			
5,900.00	5,853.34	5,839.94	5,721.43	12.63	17.02	93.48	272.79	1,005.21	532.19	505.11	27.08	19.652			
6,000.00	5,953.34	5,940.00	5,818.10	12.71	17.35	92.67	278.97	1,030.29	556.96	529.58	27.39	20.337			
6,100.00	6,053.34	6,053.37	5,928.20	12.79	17.71	91.89	285.43	1,056.51	579.90	552.15	27.76	20.892			
6,200.00	6,153.34	6,168.30	6,040.59	12.87	18.04	91.26	291.19	1,079.84	600.09	571.98	28.12	21.342			
6,300.00	6,253.34	6,284.62	6,155.02	12.95	18.33	90.75	296.18	1,100.10	617.46	589.00	28.46	21.697			
6,400.00	6,353.34	6,402.13	6,271.21	13.03	18.59	90.34	300.38	1,117.13	631.92	603.14	28.78	21.959			
6,500.00	6,453.34	6,520.63	6,388.87	13.12	18.81	90.03	303.74	1,130.77	643.43	614.36	29.07	22.134			
6,600.00	6,553.34	6,639.90	6,507.67	13.20	18.99	89.81	306.24	1,140.92	651.95	622.61	29.34	22.224			
6,700.00	6,653.34	6,759.70	6,627.28	13.28	19.14	89.67	307.86	1,147.49	657.43	627.86	29.57	22.232			
6,800.00	6,753.34	6,879.82	6,747.35	13.36	19.24	89.61	308.58	1,150.41	659.87	630.10	29.77	22.169			
6,900.00	6,853.34	6,985.81	6,853.34	13.44	19.29	89.61	308.62	1,150.57	660.01	630.12	29.89	22.083			
7,000.00	6,953.34	7,085.81	6,953.34	13.52	19.34	89.61	308.62	1,150.57	660.01	629.99	30.01	21.989			
7,100.00	7,053.34	7,185.81	7,053.34	13.60	19.39	89.61	308.62	1,150.57	660.01	629.86	30.14	21.895			
7,200.00	7,153.34	7,285.81	7,153.34	13.68	19.44	89.61	308.62	1,150.57	660.01	629.73	30.27	21.802			
7,300.00	7,253.34	7,385.81	7,253.34	13.76	19.49	89.61	308.62	1,150.57	660.01	629.60	30.40	21.709			
7,400.00	7,353.34	7,485.81	7,353.34	13.84	19.54	89.61	308.62	1,150.57	660.01	629.47	30.53	21.616			
7,500.00	7,453.34	7,585.81	7,453.34	13.93	19.60	89.61	308.62	1,150.57	660.01	629.34	30.66	21.525			
7,600.00	7,553.34	7,685.81	7,553.34	14.01	19.65	89.61	308.62	1,150.57	660.01	629.21	30.79	21.433			
7,700.00	7,653.34	7,785.81	7,653.34	14.09	19.70	89.61	308.62	1,150.57	660.01	629.08	30.92	21.343			
7,800.00	7,753.34	7,885.81	7,753.34	14.17	19.75	89.61	308.62	1,150.57	660.01	628.95	31.05	21.253			
7,900.00	7,853.34	7,985.81	7,853.34	14.25	19.80	89.61	308.62	1,150.57	660.01	628.82	31.19	21.163			
8,000.00	7,953.34	8,085.81	7,953.34	14.33	19.86	89.61	308.62	1,150.57	660.01	628.69	31.32	21.075			
8,100.00	8,053.34	8,185.81	8,053.34	14.41	19.91	89.61	308.62	1,150.57	660.01	628.56	31.45	20.986			
8,200.00	8,153.34	8,285.81	8,153.34	14.49	19.96	89.61	308.62	1,150.57	660.01	628.42	31.58	20.898			
8,300.00	8,253.34	8,385.81	8,253.34	14.57	20.02	89.61	308.62	1,150.57	660.01	628.29	31.71	20.811			
8,400.00	8,353.34	8,485.81	8,353.34	14.65	20.07	89.61	308.62	1,150.57	660.01	628.16	31.85	20.725			
8,500.00	8,453.34	8,585.81	8,453.34	14.74	20.12	89.61	308.62	1,150.57	660.01	628.03	31.98	20.639			
8,600.00	8,553.34	8,685.81	8,553.34	14.82	20.18	89.61	308.62	1,150.57	660.01	627.89	32.11	20.553			
8,700.00	8,653.34	8,785.81	8,653.34	14.90	20.23	89.61	308.62	1,150.57	660.01	627.76	32.25	20.468			
8,800.00	8,753.34	8,885.81	8,753.34	14.98	20.28	89.61	308.62	1,150.57	660.01	627.63	32.38	20.384			
8,900.00	8,853.34	8,985.81	8,853.34	15.06	20.34	89.61	308.62	1,150.57	660.01	627.49	32.51	20.300			
9,000.00	8,953.34	9,085.81	8,953.34	15.14	20.39	89.61	308.62	1,150.57	660.01	627.36	32.65	20.217			
9,100.00	9,053.34	9,185.81	9,053.34	15.22	20.45	89.61	308.62	1,150.57	660.01	627.22	32.78	20.134			
9,200.00	9,153.34	9,285.81	9,153.34	15.30	20.50	89.61	308.62	1,150.57	660.01	627.09	32.92	20.052			
9,300.00	9,253.34	9,385.81	9,253.34	15.38	20.56	89.61	308.62	1,150.57	660.01	626.96	33.05	19.970			
9,400.00	9,353.34	9,485.81	9,353.34	15.47	20.61	89.61	308.62	1,150.57	660.01	626.82	33.18	19.889			
9,500.00	9,453.34	9,585.81	9,453.34	15.55	20.67	89.61	308.62	1,150.57	660.01	626.69	33.32	19.808			
9,600.00	9,553.34	9,685.81	9,553.34	15.63	20.72	89.61	308.62	1,150.57	660.01	626.55	33.46	19.728			
9,700.00	9,653.34	9,785.81	9,653.34	15.71	20.78	89.61	308.62	1,150.57	660.01	626.41	33.59	19.649			

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)			
9,800.00	9,753.34	9,885.81	9,753.34	15.79	20.83	89.61	89.61	89.61	308.62	1,150.57	660.01	626.28	33.73	19.569	
9,900.00	9,853.34	9,985.81	9,853.34	15.87	20.89	89.61	89.61	89.61	308.62	1,150.57	660.01	626.14	33.86	19.491	
10,000.00	9,953.34	10,085.81	9,953.34	15.95	20.95	89.61	89.61	89.61	308.62	1,150.57	660.01	626.01	34.00	19.413	
10,100.00	10,053.34	10,185.81	10,053.34	16.03	21.00	89.61	89.61	89.61	308.62	1,150.57	660.01	625.87	34.13	19.335	
10,200.00	10,153.34	10,285.81	10,153.34	16.11	21.06	89.61	89.61	89.61	308.62	1,150.57	660.01	625.73	34.27	19.258	
10,300.00	10,253.34	10,385.81	10,253.34	16.20	21.12	89.61	89.61	89.61	308.62	1,150.57	660.01	625.60	34.41	19.182	
10,400.00	10,353.34	10,485.81	10,353.34	16.28	21.17	89.61	89.61	89.61	308.62	1,150.57	660.01	625.46	34.55	19.106	
10,500.00	10,453.34	10,585.81	10,453.34	16.36	21.23	89.61	89.61	89.61	308.62	1,150.57	660.01	625.32	34.68	19.030	
10,600.00	10,553.34	10,685.81	10,553.34	16.44	21.29	89.61	89.61	89.61	308.62	1,150.57	660.01	625.19	34.82	18.955	
10,700.00	10,653.34	10,785.81	10,653.34	16.52	21.34	89.61	89.61	89.61	308.62	1,150.57	660.01	625.05	34.96	18.880	
10,800.00	10,753.34	10,885.81	10,753.34	16.60	21.40	89.61	89.61	89.61	308.62	1,150.57	660.01	624.91	35.10	18.806	
10,900.00	10,853.34	10,985.81	10,853.34	16.68	21.46	89.61	89.61	89.61	308.62	1,150.57	660.01	624.77	35.23	18.732	
11,000.00	10,953.34	11,085.81	10,953.34	16.76	21.52	89.61	89.61	89.61	308.62	1,150.57	660.01	624.63	35.37	18.659	
11,100.00	11,053.34	11,185.81	11,053.34	16.85	21.58	89.61	89.61	89.61	308.62	1,150.57	660.01	624.50	35.51	18.587	
11,200.00	11,153.34	11,285.81	11,153.34	16.93	21.63	89.61	89.61	89.61	308.62	1,150.57	660.01	624.36	35.65	18.514	
11,300.00	11,253.34	11,385.81	11,253.34	17.01	21.69	89.61	89.61	89.61	308.62	1,150.57	660.01	624.22	35.79	18.443	
11,400.00	11,353.34	11,485.81	11,353.34	17.09	21.75	89.61	89.61	89.61	308.62	1,150.57	660.01	624.08	35.93	18.371	
11,500.00	11,453.34	11,585.81	11,453.34	17.17	21.81	89.61	89.61	89.61	308.62	1,150.57	660.01	623.94	36.07	18.300	
11,599.66	11,553.00	11,685.47	11,553.00	17.25	21.86	89.61	89.61	89.61	308.62	1,150.57	660.01	623.81	36.20	18.233	
11,600.00	11,553.34	11,685.81	11,553.34	17.25	21.86	-89.90	-89.90	-89.90	308.62	1,150.57	660.01	623.81	36.20	18.233	
11,650.00	11,603.27	11,735.71	11,603.18	17.31	21.89	-89.90	-89.90	-89.90	306.51	1,150.59	660.01	623.81	36.19	18.237	
11,700.00	11,652.83	11,785.62	11,652.65	17.34	21.92	-89.91	-89.91	-89.91	300.06	1,150.64	660.00	623.86	36.14	18.262	
11,750.00	11,701.62	11,835.53	11,701.39	17.37	21.94	-89.92	-89.92	-89.92	289.34	1,150.74	660.00	623.94	36.07	18.300	
11,800.00	11,749.28	11,885.46	11,749.02	17.40	21.96	-89.93	-89.93	-89.93	274.41	1,150.86	660.00	624.03	35.97	18.348	
11,850.00	11,795.45	11,935.40	11,795.17	17.43	21.98	-89.94	-89.94	-89.94	255.39	1,151.03	660.00	624.14	35.86	18.405	
11,900.00	11,839.77	11,985.34	11,839.51	17.46	22.00	-89.95	-89.95	-89.95	232.42	1,151.23	660.00	624.27	35.74	18.467	
11,941.87	11,875.22	12,027.18	11,874.99	17.49	22.02	-89.96	-89.96	-89.96	210.27	1,151.42	660.00	624.37	35.63	18.522	
11,950.00	11,881.91	12,035.30	11,881.68	17.49	22.02	-89.96	-89.96	-89.96	205.67	1,151.46	660.00	624.39	35.61	18.532	
12,000.00	11,921.55	12,085.27	11,921.37	17.53	22.04	-89.98	-89.98	-89.98	175.35	1,151.72	660.00	624.51	35.49	18.596	
12,050.00	11,958.38	12,135.25	11,958.28	17.57	22.07	-89.99	-89.99	-89.99	141.67	1,152.01	660.00	624.62	35.38	18.654	
12,100.00	11,992.13	12,185.25	11,992.13	17.61	22.11	-90.00	-90.00	-90.00	104.89	1,152.32	660.00	624.71	35.29	18.701	
12,150.00	12,022.53	12,235.25	12,022.64	17.66	22.17	-90.01	-90.01	-90.01	65.30	1,152.67	660.00	624.78	35.23	18.734	
12,200.00	12,049.37	12,285.27	12,049.60	17.72	22.24	-90.02	-90.02	-90.02	23.19	1,153.03	660.01	624.80	35.20	18.749	
12,250.00	12,072.42	12,335.30	12,072.78	17.79	22.32	-90.03	-90.03	-90.03	-21.13	1,153.41	660.01	624.79	35.22	18.740	
12,300.00	12,091.52	12,385.34	12,092.02	17.87	22.43	-90.05	-90.05	-90.05	-67.30	1,153.81	660.01	624.72	35.28	18.707	
12,350.00	12,106.52	12,435.39	12,107.16	17.97	22.56	-90.06	-90.06	-90.06	-114.99	1,154.22	660.01	624.61	35.40	18.646	
12,400.00	12,117.31	12,485.45	12,118.08	18.08	22.71	-90.07	-90.07	-90.07	-163.83	1,154.64	660.01	624.44	35.57	18.557	
12,450.00	12,123.81	12,535.53	12,124.70	18.20	22.88	-90.08	-90.08	-90.08	-213.45	1,155.07	660.01	624.22	35.79	18.442	
12,494.67	12,125.94	12,580.27	12,126.92	18.33	23.05	-90.09	-90.09	-90.09	-258.12	1,155.45	660.01	623.98	36.03	18.319	
12,500.00	12,125.98	12,585.60	12,126.97	18.35	23.07	-90.09	-90.09	-90.09	-263.45	1,155.50	660.01	623.95	36.06	18.303	
12,600.00	12,126.85	12,685.60	12,127.84	18.69	23.49	-90.09	-90.09	-90.09	-363.44	1,156.36	660.01	623.22	36.79	17.940	
12,700.00	12,127.73	12,785.60	12,128.72	19.10	23.98	-90.09	-90.09	-90.09	-463.44	1,157.22	660.01	622.30	37.70	17.505	
12,800.00	12,128.60	12,885.60	12,129.59	19.59	24.53	-90.09	-90.09	-90.09	-563.43	1,158.08	660.01	621.22	38.79	17.015	
12,900.00	12,129.47	12,985.60	12,130.46	20.15	25.12	-90.09	-90.09	-90.09	-663.42	1,158.94	660.01	619.97	40.03	16.486	
13,000.00	12,130.34	13,085.60	12,131.33	20.79	25.77	-90.09	-90.09	-90.09	-763.41	1,159.80	660.01	618.58	41.42	15.933	
13,100.00	12,131.21	13,185.60	12,132.20	21.50	26.46	-90.09	-90.09	-90.09	-863.41	1,160.67	660.01	617.07	42.94	15.369	
13,200.00	12,132.08	13,285.60	12,133.07	22.27	27.19	-90.09	-90.09	-90.09	-963.40	1,161.53	660.01	615.43	44.58	14.805	
13,300.00	12,132.95	13,385.60	12,133.95	23.10	27.97	-90.09	-90.09	-90.09	-1,063.39	1,162.39	660.01	613.69	46.32	14.249	
13,400.00	12,133.83	13,485.60	12,134.82	23.99	28.78	-90.09	-90.09	-90.09	-1,163.38	1,163.25	660.01	611.86	48.15	13.706	
13,500.00	12,134.70	13,585.60	12,135.69	24.92	29.62	-90.09	-90.09	-90.09	-1,263.38	1,164.11	660.01	609.94	50.07	13.182	
13,600.00	12,135.57	13,685.60	12,136.56	25.89	30.51	-90.09	-90.09	-90.09	-1,363.37	1,164.97	660.01	607.95	52.06	12.678	
13,700.00	12,136.44	13,785.60	12,137.43	26.89	31.42	-90.09	-90.09	-90.09	-1,463.36	1,165.83	660.01	605.90	54.11	12.197	

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 137H - OH - Plan 1

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)		Rule Assigned:		Offset Well Error:		0.50 usft							
Reference	Offset	Semi Major Axis	Distance	Between	Between	Minimum	Separation	Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)	Separation (usft)	Factor	
13,800.00	12,137.31	13,885.60	12,138.30	27.93	32.36	-90.09	-1,563.35	1,166.69	660.01	603.78	56.23	11.738	
13,900.00	12,138.18	13,985.60	12,139.17	29.00	33.33	-90.09	-1,663.35	1,167.56	660.01	601.62	58.39	11.303	
14,000.00	12,139.05	14,085.60	12,140.05	30.09	34.32	-90.09	-1,763.34	1,168.42	660.01	599.41	60.60	10.890	
14,100.00	12,139.93	14,185.60	12,140.92	31.21	35.34	-90.09	-1,863.33	1,169.28	660.01	597.15	62.86	10.500	
14,200.00	12,140.80	14,285.60	12,141.79	32.34	36.38	-90.09	-1,963.32	1,170.14	660.01	594.86	65.15	10.131	
14,300.00	12,141.67	14,385.60	12,142.66	33.50	37.44	-90.09	-2,063.32	1,171.00	660.01	592.54	67.47	9.782	
14,400.00	12,142.54	14,485.60	12,143.53	34.67	38.52	-90.09	-2,163.31	1,171.86	660.01	590.19	69.83	9.452	
14,500.00	12,143.41	14,585.60	12,144.40	35.85	39.61	-90.09	-2,263.30	1,172.72	660.01	587.81	72.21	9.141	
14,600.00	12,144.28	14,685.60	12,145.28	37.05	40.72	-90.09	-2,363.29	1,173.58	660.01	585.40	74.61	8.846	
14,700.00	12,145.15	14,785.60	12,146.15	38.26	41.85	-90.09	-2,463.29	1,174.45	660.01	582.97	77.04	8.567	
14,800.00	12,146.02	14,885.60	12,147.02	39.48	42.99	-90.09	-2,563.28	1,175.31	660.01	580.52	79.49	8.303	
14,900.00	12,146.90	14,985.60	12,147.89	40.71	44.14	-90.09	-2,663.27	1,176.17	660.01	578.06	81.96	8.053	
15,000.00	12,147.77	15,085.60	12,148.76	41.95	45.30	-90.09	-2,763.26	1,177.03	660.01	575.58	84.44	7.816	
15,100.00	12,148.64	15,185.60	12,149.63	43.20	46.48	-90.09	-2,863.26	1,177.89	660.01	573.08	86.94	7.592	
15,200.00	12,149.51	15,285.60	12,150.51	44.45	47.66	-90.09	-2,963.25	1,178.75	660.01	570.56	89.45	7.379	
15,300.00	12,150.38	15,385.60	12,151.38	45.71	48.86	-90.09	-3,063.24	1,179.61	660.02	568.04	91.98	7.176	
15,400.00	12,151.25	15,485.60	12,152.25	46.98	50.06	-90.09	-3,163.23	1,180.47	660.02	565.50	94.51	6.983	
15,500.00	12,152.12	15,585.60	12,153.12	48.25	51.27	-90.09	-3,263.23	1,181.34	660.02	562.95	97.06	6.800	
15,600.00	12,153.00	15,685.60	12,153.99	49.53	52.49	-90.09	-3,363.22	1,182.20	660.02	560.40	99.62	6.625	
15,700.00	12,153.87	15,785.60	12,154.86	50.82	53.72	-90.09	-3,463.21	1,183.06	660.02	557.83	102.19	6.459	
15,800.00	12,154.74	15,885.60	12,155.74	52.10	54.95	-90.09	-3,563.20	1,183.92	660.02	555.25	104.77	6.300	
15,900.00	12,155.61	15,985.60	12,156.61	53.40	56.19	-90.09	-3,663.20	1,184.78	660.02	552.67	107.35	6.148	
16,000.00	12,156.48	16,085.60	12,157.48	54.69	57.43	-90.09	-3,763.19	1,185.64	660.02	550.07	109.94	6.003	
16,100.00	12,157.35	16,185.60	12,158.35	55.99	58.68	-90.09	-3,863.18	1,186.50	660.02	547.48	112.54	5.865	
16,200.00	12,158.22	16,285.60	12,159.22	57.29	59.94	-90.09	-3,963.17	1,187.37	660.02	544.87	115.15	5.732	
16,300.00	12,159.10	16,385.60	12,160.09	58.60	61.20	-90.09	-4,063.17	1,188.23	660.02	542.26	117.76	5.605	
16,400.00	12,159.97	16,485.60	12,160.97	59.91	62.47	-90.09	-4,163.16	1,189.09	660.02	539.64	120.38	5.483	
16,500.00	12,160.84	16,585.60	12,161.84	61.22	63.73	-90.09	-4,263.15	1,189.95	660.02	537.02	123.00	5.366	
16,600.00	12,161.71	16,685.60	12,162.71	62.53	65.01	-90.09	-4,363.14	1,190.81	660.02	534.39	125.63	5.254	
16,700.00	12,162.58	16,785.60	12,163.58	63.85	66.29	-90.09	-4,463.14	1,191.67	660.02	531.76	128.26	5.146	
16,800.00	12,163.45	16,885.60	12,164.45	65.17	67.57	-90.09	-4,563.13	1,192.53	660.02	529.12	130.90	5.042	
16,900.00	12,164.32	16,985.60	12,165.32	66.49	68.85	-90.09	-4,663.12	1,193.39	660.02	526.48	133.54	4.943	
17,000.00	12,165.20	17,085.60	12,166.20	67.81	70.14	-90.09	-4,763.11	1,194.26	660.02	523.84	136.18	4.847	
17,100.00	12,166.07	17,185.60	12,167.07	69.14	71.43	-90.09	-4,863.11	1,195.12	660.02	521.19	138.83	4.754	
17,200.00	12,166.94	17,285.60	12,167.94	70.46	72.72	-90.09	-4,963.10	1,195.98	660.02	518.54	141.48	4.665	
17,300.00	12,167.81	17,385.60	12,168.81	71.79	74.02	-90.09	-5,063.09	1,196.84	660.02	515.88	144.14	4.579	
17,400.00	12,168.68	17,485.60	12,169.68	73.12	75.32	-90.09	-5,163.08	1,197.70	660.02	513.23	146.80	4.496	
17,500.00	12,169.55	17,585.60	12,170.55	74.45	76.62	-90.09	-5,263.08	1,198.56	660.02	510.56	149.46	4.416	
17,600.00	12,170.42	17,685.60	12,171.42	75.78	77.92	-90.09	-5,363.07	1,199.42	660.02	507.90	152.12	4.339	
17,700.00	12,171.30	17,785.60	12,172.30	77.12	79.23	-90.09	-5,463.06	1,200.28	660.02	505.23	154.79	4.264	
17,800.00	12,172.17	17,885.60	12,173.17	78.45	80.54	-90.09	-5,563.05	1,201.15	660.02	502.57	157.46	4.192	
17,900.00	12,173.04	17,985.60	12,174.04	79.79	81.85	-90.09	-5,663.05	1,202.01	660.02	499.89	160.13	4.122	
18,000.00	12,173.91	18,085.60	12,174.91	81.12	83.16	-90.09	-5,763.04	1,202.87	660.02	497.22	162.80	4.054	
18,100.00	12,174.78	18,185.60	12,175.78	82.46	84.47	-90.09	-5,863.03	1,203.73	660.02	494.54	165.48	3.989	
18,200.00	12,175.65	18,285.60	12,176.65	83.80	85.79	-90.09	-5,963.02	1,204.59	660.02	491.87	168.16	3.925	
18,300.00	12,176.52	18,385.60	12,177.53	85.14	87.10	-90.09	-6,063.02	1,205.45	660.02	489.19	170.84	3.863	
18,400.00	12,177.40	18,485.60	12,178.40	86.48	88.42	-90.09	-6,163.01	1,206.31	660.02	486.51	173.52	3.804	
18,500.00	12,178.27	18,585.60	12,179.27	87.83	89.74	-90.09	-6,263.00	1,207.17	660.02	483.82	176.20	3.746	
18,600.00	12,179.14	18,685.60	12,180.14	89.17	91.07	-90.09	-6,362.99	1,208.04	660.03	481.14	178.89	3.690	
18,700.00	12,180.01	18,785.60	12,181.01	90.51	92.39	-90.09	-6,462.99	1,208.90	660.03	478.45	181.57	3.635	
18,800.00	12,180.88	18,885.60	12,181.88	91.86	93.71	-90.09	-6,562.98	1,209.76	660.03	475.76	184.26	3.582	
18,900.00	12,181.75	18,985.60	12,182.76	93.20	95.04	-90.09	-6,662.97	1,210.62	660.03	473.07	186.95	3.530	

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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:			
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
19,000.00	12,182.62	19,085.60	12,183.63	94.55	96.37	-90.09	-6,762.96	1,211.48	660.03	470.38	189.64	3.480			
19,100.00	12,183.49	19,185.60	12,184.50	95.90	97.69	-90.09	-6,862.96	1,212.34	660.03	467.69	192.34	3.432			
19,200.00	12,184.37	19,285.60	12,185.37	97.24	99.02	-90.09	-6,962.95	1,213.20	660.03	465.00	195.03	3.384			
19,300.00	12,185.24	19,385.60	12,186.24	98.59	100.35	-90.09	-7,062.94	1,214.07	660.03	462.30	197.73	3.338			
19,400.00	12,186.11	19,485.60	12,187.11	99.94	101.69	-90.09	-7,162.93	1,214.93	660.03	459.60	200.42	3.293			
19,500.00	12,186.98	19,585.60	12,187.99	101.29	103.02	-90.09	-7,262.93	1,215.79	660.03	456.91	203.12	3.249			
19,600.00	12,187.85	19,685.60	12,188.86	102.64	104.35	-90.09	-7,362.92	1,216.65	660.03	454.21	205.82	3.207			
19,700.00	12,188.72	19,785.60	12,189.73	103.99	105.69	-90.09	-7,462.91	1,217.51	660.03	451.51	208.52	3.165			
19,800.00	12,189.59	19,885.60	12,190.60	105.34	107.02	-90.09	-7,562.90	1,218.37	660.03	448.81	211.22	3.125			
19,900.00	12,190.47	19,985.60	12,191.47	106.69	108.36	-90.09	-7,662.90	1,219.23	660.03	446.11	213.92	3.085			
20,000.00	12,191.34	20,085.60	12,192.34	108.04	109.69	-90.09	-7,762.89	1,220.09	660.03	443.40	216.62	3.047			
20,100.00	12,192.21	20,185.60	12,193.22	109.39	111.03	-90.09	-7,862.88	1,220.96	660.03	440.70	219.33	3.009			
20,200.00	12,193.08	20,285.60	12,194.09	110.75	112.37	-90.09	-7,962.87	1,221.82	660.03	438.00	222.03	2.973			
20,300.00	12,193.95	20,385.60	12,194.96	112.10	113.71	-90.09	-8,062.87	1,222.68	660.03	435.29	224.74	2.937			
20,400.00	12,194.82	20,485.60	12,195.83	113.45	115.05	-90.09	-8,162.86	1,223.54	660.03	432.59	227.44	2.902			
20,500.00	12,195.69	20,585.60	12,196.70	114.81	116.39	-90.09	-8,262.85	1,224.40	660.03	429.88	230.15	2.868			
20,600.00	12,196.57	20,685.60	12,197.57	116.16	117.73	-90.09	-8,362.84	1,225.26	660.03	427.17	232.86	2.834			
20,700.00	12,197.44	20,785.60	12,198.44	117.52	119.07	-90.09	-8,462.84	1,226.12	660.03	424.46	235.57	2.802			
20,800.00	12,198.31	20,885.60	12,199.32	118.87	120.42	-90.09	-8,562.83	1,226.98	660.03	421.75	238.28	2.770			
20,900.00	12,199.18	20,985.60	12,200.19	120.23	121.76	-90.09	-8,662.82	1,227.85	660.03	419.04	240.99	2.739			
21,000.00	12,200.05	21,085.60	12,201.06	121.58	123.10	-90.09	-8,762.81	1,228.71	660.03	416.33	243.70	2.708			
21,100.00	12,200.92	21,185.60	12,201.93	122.94	124.45	-90.09	-8,862.81	1,229.57	660.03	413.62	246.41	2.679			
21,200.00	12,201.79	21,285.60	12,202.80	124.29	125.79	-90.09	-8,962.80	1,230.43	660.03	410.91	249.12	2.649			
21,300.00	12,202.67	21,385.60	12,203.67	125.65	127.14	-90.09	-9,062.79	1,231.29	660.03	408.20	251.83	2.621			
21,400.00	12,203.54	21,485.60	12,204.55	127.01	128.49	-90.09	-9,162.78	1,232.15	660.03	405.49	254.55	2.593			
21,500.00	12,204.41	21,585.60	12,205.42	128.36	129.83	-90.09	-9,262.78	1,233.01	660.03	402.77	257.26	2.566			
21,600.00	12,205.28	21,685.60	12,206.29	129.72	131.18	-90.09	-9,362.77	1,233.87	660.03	400.06	259.97	2.539			
21,700.00	12,206.15	21,785.60	12,207.16	131.08	132.53	-90.09	-9,462.76	1,234.74	660.03	397.35	262.69	2.513			
21,800.00	12,207.02	21,885.60	12,208.03	132.44	133.87	-90.09	-9,562.75	1,235.60	660.03	394.63	265.40	2.487			
21,900.00	12,207.89	21,985.60	12,208.90	133.79	135.22	-90.09	-9,662.75	1,236.46	660.04	391.92	268.12	2.462			
22,000.00	12,208.77	22,085.60	12,209.78	135.15	136.57	-90.09	-9,762.74	1,237.32	660.04	389.20	270.84	2.437			
22,100.00	12,209.64	22,185.60	12,210.65	136.51	137.92	-90.09	-9,862.73	1,238.18	660.04	386.48	273.55	2.413			
22,200.00	12,210.51	22,285.60	12,211.52	137.87	139.27	-90.09	-9,962.72	1,239.04	660.04	383.77	276.27	2.389			
22,300.00	12,211.38	22,385.60	12,212.39	139.23	140.62	-90.09	-10,062.72	1,239.90	660.04	381.05	278.99	2.366			
22,400.00	12,212.25	22,485.60	12,213.26	140.59	141.97	-90.09	-10,162.71	1,240.76	660.04	378.33	281.71	2.343			
22,402.71	12,212.27	22,488.32	12,213.29	140.62	142.01	-90.09	-10,165.42	1,240.79	660.04	378.26	281.77	2.342			
22,428.60	12,212.50	22,512.90	12,213.50	140.94	142.37	-90.09	-10,190.00	1,241.00	660.04	377.60	282.44	2.337	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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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		Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)		
0.00	0.00	1.00	1.00	0.50	0.50	180.00	-135.00	0.00	135.00			
100.00	100.00	101.00	101.00	0.98	0.99	180.00	-135.00	0.00	135.00	133.03	1.97	68.610
200.00	200.00	201.00	201.00	1.56	1.57	180.00	-135.00	0.00	135.00	131.87	3.13	43.181
300.00	300.00	301.00	301.00	1.98	1.98	180.00	-135.00	0.00	135.00	131.03	3.97	34.041
400.00	400.00	401.00	401.00	2.33	2.33	180.00	-135.00	0.00	135.00	130.34	4.66	28.958
500.00	500.00	501.01	501.01	2.63	2.64	-180.00	-135.00	0.00	135.00	129.73	5.27	25.607
600.00	600.00	602.48	602.46	2.91	2.98	-179.47	-134.43	-1.25	134.44	128.61	5.83	23.043
700.00	700.00	703.79	703.70	3.16	3.30	-177.87	-132.75	-4.95	132.87	126.52	6.35	20.934
800.00	800.00	804.82	804.50	3.40	3.58	-175.13	-129.96	-11.06	130.48	123.67	6.81	19.148
900.00	899.99	904.70	904.00	3.68	3.71	130.76	-126.40	-18.89	128.69	121.52	7.17	17.937
924.28	924.25	928.83	928.05	3.74	3.76	131.90	-125.53	-20.81	128.62	121.33	7.28	17.659
1,000.00	999.91	1,004.05	1,002.97	3.93	3.93	135.76	-122.82	-26.77	129.41	121.79	7.63	16.967
1,100.00	1,099.69	1,103.13	1,101.68	4.18	4.14	141.32	-119.24	-34.63	133.15	125.08	8.08	16.487
1,133.33	1,132.91	1,136.09	1,134.52	4.21	4.22	143.24	-118.05	-37.25	135.14	126.97	8.17	16.531
1,200.00	1,199.32	1,201.97	1,200.14	4.29	4.36	147.00	-115.67	-42.47	139.81	131.40	8.41	16.629
1,300.00	1,298.94	1,300.37	1,298.04	4.49	4.61	152.64	-111.59	-51.43	148.00	139.19	8.82	16.786
1,400.00	1,398.56	1,397.94	1,394.85	4.68	4.85	158.50	-106.52	-62.58	158.02	148.79	9.23	17.117
1,500.00	1,498.18	1,494.58	1,490.38	4.88	5.09	164.38	-100.49	-75.83	170.30	160.65	9.65	17.648
1,600.00	1,597.80	1,590.18	1,584.49	5.07	5.33	170.08	-93.54	-91.10	185.18	175.11	10.07	18.390
1,700.00	1,697.42	1,685.95	1,678.39	5.26	5.47	175.44	-85.74	-108.24	202.71	192.29	10.42	19.451
1,800.00	1,797.04	1,782.61	1,773.11	5.45	5.66	-179.95	-77.76	-125.77	221.91	211.08	10.83	20.487
1,900.00	1,896.66	1,879.26	1,867.83	5.64	5.86	-176.08	-69.78	-143.30	242.31	231.06	11.24	21.550
2,000.00	1,996.28	1,975.92	1,962.54	5.82	6.06	-172.81	-61.80	-160.83	263.62	251.97	11.65	22.628
2,100.00	2,095.90	2,072.58	2,057.26	6.01	6.26	-170.02	-53.82	-178.37	285.65	273.60	12.05	23.701
2,200.00	2,195.52	2,169.23	2,151.98	6.20	6.47	-167.63	-45.84	-195.90	308.23	295.78	12.46	24.742
2,204.50	2,200.00	2,173.58	2,156.24	6.21	6.48	-167.53	-45.49	-196.69	309.26	296.79	12.48	24.788
2,300.00	2,295.06	2,265.73	2,246.54	6.38	6.67	-165.55	-37.88	-213.40	332.01	319.17	12.85	25.842
2,400.00	2,394.43	2,361.86	2,340.74	6.57	6.88	-163.80	-29.94	-230.84	357.76	344.51	13.24	27.011
2,500.00	2,493.58	2,457.59	2,434.55	6.77	7.10	-162.34	-22.04	-248.20	385.36	371.72	13.64	28.249
2,600.00	2,592.49	2,552.89	2,527.94	6.96	7.32	-161.13	-14.17	-265.49	414.72	400.68	14.04	29.543
2,700.00	2,691.13	2,647.73	2,620.88	7.15	7.56	-160.14	-6.34	-282.69	445.77	431.34	14.44	30.881
2,800.00	2,789.47	2,742.09	2,713.34	7.35	7.80	-159.32	1.45	-299.81	478.45	463.62	14.83	32.259
2,900.00	2,887.48	2,835.93	2,805.31	7.56	8.04	-158.66	9.19	-316.83	512.73	497.49	15.24	33.649
2,904.03	2,891.42	2,839.70	2,809.00	7.56	8.05	-158.64	9.50	-317.51	514.14	498.89	15.25	33.706
3,000.00	2,985.30	2,929.49	2,896.98	7.75	8.28	-158.23	16.92	-333.80	547.85	532.22	15.63	35.045
3,100.00	3,083.11	3,023.04	2,988.66	7.95	8.52	-157.85	24.64	-350.77	583.00	566.97	16.03	36.363
3,200.00	3,180.93	3,116.59	3,080.34	8.15	8.76	-157.52	32.36	-367.74	618.17	601.74	16.43	37.615
3,300.00	3,278.75	3,210.15	3,172.02	8.36	9.01	-157.22	40.09	-384.71	653.36	636.52	16.84	38.804
3,400.00	3,376.56	3,303.70	3,263.69	8.57	9.26	-156.96	47.81	-401.68	688.56	671.32	17.24	39.935
3,500.00	3,474.38	3,397.26	3,355.37	8.78	9.50	-156.72	55.53	-418.65	723.77	706.12	17.65	41.011
3,600.00	3,572.20	3,490.81	3,447.05	8.99	9.75	-156.50	63.25	-435.61	758.99	740.94	18.06	42.036
3,700.00	3,670.01	3,584.37	3,538.73	9.21	10.00	-156.30	70.98	-452.58	794.22	775.76	18.46	43.013
3,800.00	3,767.83	3,677.92	3,630.40	9.44	10.25	-156.12	78.70	-469.55	829.46	810.59	18.88	43.945
3,900.00	3,865.64	3,771.47	3,722.08	9.67	10.50	-155.95	86.42	-486.52	864.71	845.42	19.29	44.835
4,000.00	3,963.46	3,865.03	3,813.76	9.91	10.75	-155.80	94.15	-503.49	899.96	880.26	19.70	45.685
4,063.13	4,025.21	3,924.09	3,871.64	10.05	10.90	-155.70	99.02	-514.21	922.22	902.28	19.94	46.246
4,100.00	4,061.30	3,958.62	3,905.47	10.12	11.00	-155.71	101.87	-520.47	935.11	915.04	20.08	46.577
4,200.00	4,159.42	4,052.63	3,997.60	10.36	11.25	-155.68	109.63	-537.52	969.08	948.59	20.49	47.299
4,300.00	4,257.86	4,147.15	4,090.23	10.59	11.50	-155.62	117.44	-554.67	1,001.56	980.66	20.90	47.927
4,400.00	4,356.59	4,242.15	4,183.32	10.80	11.75	-155.52	125.28	-571.90	1,032.54	1,011.23	21.30	48.466
4,500.00	4,455.59	4,337.60	4,276.85	11.01	12.01	-155.39	133.16	-589.21	1,062.02	1,040.31	21.71	48.923
4,600.00	4,554.82	4,433.46	4,370.79	11.20	12.27	-155.23	141.07	-606.60	1,090.01	1,067.90	22.11	49.305

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)			
4,700.00	4,654.24	4,529.71	4,465.11	11.38	12.53	-155.03	149.02	-624.06	1,116.50	1,094.00	22.50	49.617	
4,800.00	4,753.84	4,626.32	4,559.78	11.54	12.79	-154.80	156.99	-641.58	1,141.49	1,118.60	22.89	49.865	
4,900.00	4,853.58	4,723.27	4,654.78	11.69	13.05	-154.55	165.00	-659.16	1,165.00	1,141.72	23.27	50.055	
5,000.00	4,953.43	4,820.51	4,750.07	11.83	13.31	-154.26	173.02	-676.80	1,187.01	1,163.36	23.65	50.193	
5,100.00	5,053.36	4,918.02	4,845.63	11.97	13.57	-153.95	181.07	-694.49	1,207.54	1,183.53	24.01	50.285	
5,200.00	5,153.34	5,015.78	4,941.43	12.09	13.84	-153.61	189.14	-712.22	1,226.60	1,202.23	24.37	50.341	
5,262.66	5,216.00	5,077.14	5,001.56	12.13	14.00	-95.17	194.21	-723.35	1,237.79	1,213.25	24.55	50.425	
5,300.00	5,253.34	5,113.73	5,037.42	12.15	14.10	-95.01	197.23	-729.99	1,244.30	1,219.66	24.64	50.499	
5,400.00	5,353.34	5,211.73	5,133.45	12.23	14.37	-94.56	205.32	-747.76	1,261.77	1,236.83	24.93	50.605	
5,500.00	5,453.34	5,309.72	5,229.48	12.31	14.63	-94.13	213.41	-765.54	1,279.31	1,254.08	25.23	50.711	
5,600.00	5,553.34	5,407.72	5,325.50	12.39	14.90	-93.71	221.50	-783.31	1,296.92	1,271.40	25.52	50.818	
5,700.00	5,653.34	5,505.71	5,421.53	12.47	15.16	-93.30	229.59	-801.09	1,314.60	1,288.78	25.81	50.924	
5,800.00	5,753.34	5,603.71	5,517.56	12.55	15.43	-92.91	237.68	-818.86	1,332.34	1,306.23	26.11	51.031	
5,900.00	5,853.34	5,701.70	5,613.59	12.63	15.70	-92.52	245.77	-836.64	1,350.14	1,323.74	26.40	51.137	
6,000.00	5,953.34	5,799.69	5,709.62	12.71	15.96	-92.14	253.86	-854.41	1,368.00	1,341.30	26.70	51.243	
6,100.00	6,053.34	5,897.69	5,805.65	12.79	16.23	-91.77	261.95	-872.19	1,385.92	1,358.92	26.99	51.340	
6,200.00	6,153.34	6,040.19	5,945.73	12.87	16.59	-91.30	272.75	-895.93	1,402.46	1,375.03	27.44	51.112	
6,300.00	6,253.34	6,188.62	6,092.57	12.95	16.91	-90.91	281.70	-915.59	1,415.62	1,387.75	27.87	50.794	
6,400.00	6,353.34	6,338.53	6,241.62	13.03	17.17	-90.64	288.33	-930.16	1,425.30	1,397.04	28.26	50.441	
6,500.00	6,453.34	6,489.48	6,392.21	13.12	17.38	-90.46	292.56	-939.45	1,431.42	1,402.82	28.60	50.052	
6,600.00	6,553.34	6,641.00	6,543.67	13.20	17.51	-90.39	294.32	-943.31	1,433.97	1,405.11	28.86	49.689	
6,700.00	6,653.34	6,751.68	6,654.34	13.28	17.57	-90.39	294.37	-943.43	1,434.04	1,405.05	28.99	49.466	
6,800.00	6,753.34	6,851.68	6,754.34	13.36	17.63	-90.39	294.37	-943.43	1,434.04	1,404.92	29.13	49.236	
6,900.00	6,853.34	6,951.68	6,854.34	13.44	17.69	-90.39	294.37	-943.43	1,434.04	1,404.78	29.26	49.007	
7,000.00	6,953.34	7,051.68	6,954.34	13.52	17.74	-90.39	294.37	-943.43	1,434.04	1,404.65	29.40	48.780	
7,100.00	7,053.34	7,151.68	7,054.34	13.60	17.80	-90.39	294.37	-943.43	1,434.04	1,404.51	29.53	48.555	
7,200.00	7,153.34	7,251.68	7,154.34	13.68	17.86	-90.39	294.37	-943.43	1,434.04	1,404.37	29.67	48.331	
7,300.00	7,253.34	7,351.68	7,254.34	13.76	17.92	-90.39	294.37	-943.43	1,434.04	1,404.24	29.81	48.110	
7,400.00	7,353.34	7,451.68	7,354.34	13.84	17.98	-90.39	294.37	-943.43	1,434.04	1,404.10	29.94	47.889	
7,500.00	7,453.34	7,551.68	7,454.34	13.93	18.04	-90.39	294.37	-943.43	1,434.04	1,403.96	30.08	47.671	
7,600.00	7,553.34	7,651.68	7,554.34	14.01	18.10	-90.39	294.37	-943.43	1,434.04	1,403.82	30.22	47.454	
7,700.00	7,653.34	7,751.68	7,654.34	14.09	18.16	-90.39	294.37	-943.43	1,434.04	1,403.69	30.36	47.238	
7,800.00	7,753.34	7,851.68	7,754.34	14.17	18.22	-90.39	294.37	-943.43	1,434.04	1,403.55	30.50	47.025	
7,900.00	7,853.34	7,951.68	7,854.34	14.25	18.28	-90.39	294.37	-943.43	1,434.04	1,403.41	30.63	46.812	
8,000.00	7,953.34	8,051.68	7,954.34	14.33	18.34	-90.39	294.37	-943.43	1,434.04	1,403.27	30.77	46.602	
8,100.00	8,053.34	8,151.68	8,054.34	14.41	18.41	-90.39	294.37	-943.43	1,434.04	1,403.13	30.91	46.393	
8,200.00	8,153.34	8,251.68	8,154.34	14.49	18.47	-90.39	294.37	-943.43	1,434.04	1,402.99	31.05	46.185	
8,300.00	8,253.34	8,351.68	8,254.34	14.57	18.53	-90.39	294.37	-943.43	1,434.04	1,402.85	31.19	45.979	
8,400.00	8,353.34	8,451.68	8,354.34	14.65	18.59	-90.39	294.37	-943.43	1,434.04	1,402.72	31.33	45.775	
8,500.00	8,453.34	8,551.68	8,454.34	14.74	18.65	-90.39	294.37	-943.43	1,434.04	1,402.58	31.47	45.572	
8,600.00	8,553.34	8,651.68	8,554.34	14.82	18.71	-90.39	294.37	-943.43	1,434.04	1,402.44	31.61	45.371	
8,700.00	8,653.34	8,751.68	8,654.34	14.90	18.77	-90.39	294.37	-943.43	1,434.04	1,402.30	31.75	45.171	
8,800.00	8,753.34	8,851.68	8,754.34	14.98	18.84	-90.39	294.37	-943.43	1,434.04	1,402.16	31.89	44.972	
8,900.00	8,853.34	8,951.68	8,854.34	15.06	18.90	-90.39	294.37	-943.43	1,434.04	1,402.02	32.03	44.775	
9,000.00	8,953.34	9,051.68	8,954.34	15.14	18.96	-90.39	294.37	-943.43	1,434.04	1,401.88	32.17	44.580	
9,100.00	9,053.34	9,151.68	9,054.34	15.22	19.02	-90.39	294.37	-943.43	1,434.04	1,401.73	32.31	44.385	
9,200.00	9,153.34	9,251.68	9,154.34	15.30	19.09	-90.39	294.37	-943.43	1,434.04	1,401.59	32.45	44.193	
9,300.00	9,253.34	9,351.68	9,254.34	15.38	19.15	-90.39	294.37	-943.43	1,434.04	1,401.45	32.59	44.001	
9,400.00	9,353.34	9,451.68	9,354.34	15.47	19.21	-90.39	294.37	-943.43	1,434.04	1,401.31	32.73	43.812	
9,500.00	9,453.34	9,551.68	9,454.34	15.55	19.27	-90.39	294.37	-943.43	1,434.04	1,401.17	32.87	43.623	
9,600.00	9,553.34	9,651.68	9,554.34	15.63	19.34	-90.39	294.37	-943.43	1,434.04	1,401.03	33.02	43.436	
9,700.00	9,653.34	9,751.68	9,654.34	15.71	19.40	-90.39	294.37	-943.43	1,434.04	1,400.89	33.16	43.250	

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 151H - OH - Plan 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)													Offset Well Error:	0.50 usft
Reference Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)						
19,000.00	12,182.62	18,582.38	11,707.33	94.55	93.96	71.63	-6,785.13	-882.49	1,511.09	1,330.78		180.31	8.381	
19,100.00	12,183.49	18,682.38	11,708.20	95.90	95.29	71.63	-6,885.12	-881.63	1,511.09	1,328.22		182.87	8.263	
19,200.00	12,184.37	18,782.38	11,709.06	97.24	96.63	71.63	-6,985.11	-880.77	1,511.10	1,325.66		185.44	8.149	
19,300.00	12,185.24	18,882.38	11,709.93	98.59	97.97	71.63	-7,085.10	-879.91	1,511.10	1,323.10		188.00	8.038	
19,400.00	12,186.11	18,982.38	11,710.79	99.94	99.30	71.63	-7,185.10	-879.05	1,511.10	1,320.53		190.57	7.929	
19,500.00	12,186.98	19,082.38	11,711.66	101.29	100.64	71.63	-7,285.09	-878.19	1,511.10	1,317.97		193.13	7.824	
19,600.00	12,187.85	19,182.38	11,712.53	102.64	101.98	71.63	-7,385.08	-877.33	1,511.10	1,315.40		195.70	7.721	
19,700.00	12,188.72	19,282.38	11,713.39	103.99	103.32	71.63	-7,485.07	-876.46	1,511.10	1,312.83		198.27	7.621	
19,800.00	12,189.59	19,382.38	11,714.26	105.34	104.66	71.62	-7,585.07	-875.60	1,511.11	1,310.26		200.85	7.524	
19,900.00	12,190.47	19,482.38	11,715.12	106.69	106.00	71.62	-7,685.06	-874.74	1,511.11	1,307.69		203.42	7.429	
20,000.00	12,191.34	19,582.38	11,715.99	108.04	107.34	71.62	-7,785.05	-873.88	1,511.11	1,305.12		205.99	7.336	
20,100.00	12,192.21	19,682.38	11,716.86	109.39	108.69	71.62	-7,885.04	-873.02	1,511.11	1,302.55		208.57	7.245	
20,200.00	12,193.08	19,782.38	11,717.72	110.75	110.03	71.62	-7,985.04	-872.16	1,511.11	1,299.97		211.14	7.157	
20,300.00	12,193.95	19,882.38	11,718.59	112.10	111.38	71.62	-8,085.03	-871.30	1,511.12	1,297.40		213.72	7.071	
20,400.00	12,194.82	19,982.38	11,719.45	113.45	112.72	71.62	-8,185.02	-870.44	1,511.12	1,294.82		216.30	6.986	
20,500.00	12,195.69	20,082.38	11,720.32	114.81	114.07	71.62	-8,285.01	-869.58	1,511.12	1,292.25		218.87	6.904	
20,600.00	12,196.57	20,182.38	11,721.19	116.16	115.41	71.62	-8,385.01	-868.72	1,511.12	1,289.67		221.45	6.824	
20,700.00	12,197.44	20,282.38	11,722.05	117.52	116.76	71.62	-8,485.00	-867.86	1,511.12	1,287.09		224.03	6.745	
20,800.00	12,198.31	20,382.38	11,722.92	118.87	118.10	71.62	-8,584.99	-867.00	1,511.13	1,284.51		226.61	6.668	
20,900.00	12,199.18	20,482.38	11,723.78	120.23	119.45	71.62	-8,684.98	-866.14	1,511.13	1,281.93		229.20	6.593	
21,000.00	12,200.05	20,582.38	11,724.65	121.58	120.80	71.62	-8,784.98	-865.28	1,511.13	1,279.35		231.78	6.520	
21,100.00	12,200.92	20,682.38	11,725.52	122.94	122.15	71.62	-8,884.97	-864.41	1,511.13	1,276.77		234.36	6.448	
21,200.00	12,201.79	20,782.38	11,726.38	124.29	123.50	71.62	-8,984.96	-863.55	1,511.13	1,274.19		236.94	6.378	
21,300.00	12,202.67	20,882.38	11,727.25	125.65	124.85	71.62	-9,084.95	-862.69	1,511.14	1,271.61		239.53	6.309	
21,400.00	12,203.54	20,982.38	11,728.11	127.01	126.20	71.62	-9,184.95	-861.83	1,511.14	1,269.02		242.11	6.241	
21,500.00	12,204.41	21,082.38	11,728.98	128.36	127.55	71.62	-9,284.94	-860.97	1,511.14	1,266.44		244.70	6.175	
21,600.00	12,205.28	21,182.38	11,729.85	129.72	128.90	71.62	-9,384.93	-860.11	1,511.14	1,263.86		247.29	6.111	
21,700.00	12,206.15	21,282.38	11,730.71	131.08	130.25	71.62	-9,484.93	-859.25	1,511.14	1,261.27		249.87	6.048	
21,800.00	12,207.02	21,382.38	11,731.58	132.44	131.60	71.62	-9,584.92	-858.39	1,511.15	1,258.69		252.46	5.986	
21,900.00	12,207.89	21,482.38	11,732.44	133.79	132.95	71.62	-9,684.91	-857.53	1,511.15	1,256.10		255.05	5.925	
22,000.00	12,208.77	21,582.38	11,733.31	135.15	134.31	71.62	-9,784.90	-856.67	1,511.15	1,253.51		257.64	5.865	
22,100.00	12,209.64	21,682.38	11,734.18	136.51	135.66	71.62	-9,884.90	-855.81	1,511.15	1,250.93		260.23	5.807	
22,200.00	12,210.51	21,782.38	11,735.04	137.87	137.01	71.62	-9,984.89	-854.95	1,511.15	1,248.34		262.82	5.750	
22,300.00	12,211.38	21,882.38	11,735.91	139.23	138.36	71.62	-10,084.88	-854.09	1,511.16	1,245.75		265.41	5.694	
22,400.00	12,212.25	21,982.38	11,736.77	140.59	139.62	71.62	-10,184.87	-853.22	1,511.16	1,243.29		267.87	5.641	
22,402.10	12,212.27	21,984.48	11,736.79	140.61	139.65	71.62	-10,186.97	-853.21	1,511.16	1,243.24		267.92	5.640	
22,428.60	12,212.50	22,008.51	11,737.00	140.94	139.94	71.62	-10,211.00	-853.00	1,511.16	1,242.65		268.51	5.628	SF

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

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

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)							Rule Assigned:					Offset Well Error:		0.50 usft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre			Distance		Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)				
0.00	0.00	0.00	0.00	0.50	0.50	0.00	50.00	0.00	50.00						
100.00	100.00	100.00	100.00	0.98	0.98	0.00	50.00	0.00	50.00	48.04	1.96	25.482	CC		
200.00	200.00	200.00	200.00	1.56	1.56	0.00	50.00	0.00	50.00	46.88	3.12	16.014			
300.00	300.00	300.00	300.00	1.98	1.98	0.00	50.00	0.00	50.00	46.04	3.96	12.619			
400.00	400.00	399.25	399.24	2.33	2.41	1.21	50.72	1.07	50.74	46.05	4.68	10.835			
500.00	500.00	498.37	498.28	2.63	2.78	4.62	52.87	4.27	53.07	47.76	5.32	9.978			
600.00	600.00	597.22	596.92	2.91	3.11	9.64	56.45	9.59	57.34	51.43	5.91	9.706			
700.00	700.00	696.47	695.81	3.16	3.25	15.20	61.18	16.63	63.54	57.22	6.32	10.056			
800.00	800.00	796.09	795.05	3.40	3.50	19.84	66.03	23.83	70.37	63.55	6.82	10.319			
900.00	899.99	895.81	894.39	3.68	3.74	-35.05	70.88	31.04	76.51	69.18	7.33	10.440			
1,000.00	999.91	995.69	993.89	3.93	3.97	-33.25	75.74	38.26	80.66	72.85	7.81	10.324			
1,100.00	1,099.69	1,095.66	1,093.48	4.18	4.20	-32.60	80.60	45.49	82.66	74.38	8.28	9.984			
1,133.33	1,132.91	1,129.00	1,126.69	4.21	4.28	-32.61	82.23	47.90	82.84	74.47	8.38	9.889			
1,200.00	1,199.32	1,195.66	1,193.10	4.29	4.43	-32.73	85.47	52.72	82.96	74.35	8.61	9.636			
1,300.00	1,298.94	1,295.66	1,292.72	4.49	4.65	-32.92	90.33	59.96	83.13	74.10	9.02	9.212			
1,400.00	1,398.56	1,395.66	1,392.34	4.68	4.86	-33.11	95.20	67.19	83.30	73.86	9.43	8.831			
1,500.00	1,498.18	1,495.66	1,491.96	4.88	5.07	-33.30	100.06	74.42	83.47	73.63	9.84	8.486			
1,600.00	1,597.80	1,595.66	1,591.58	5.07	5.28	-33.49	104.93	81.65	83.64	73.41	10.23	8.173			
1,700.00	1,697.42	1,695.66	1,691.20	5.26	5.49	-33.68	109.79	88.88	83.82	73.19	10.63	7.887			
1,800.00	1,797.04	1,795.66	1,790.81	5.45	5.70	-33.86	114.66	96.11	83.99	72.98	11.02	7.625			
1,900.00	1,896.66	1,895.66	1,890.43	5.64	5.90	-34.05	119.52	103.35	84.17	72.77	11.40	7.382			
2,000.00	1,996.28	1,995.66	1,990.05	5.82	6.10	-34.23	124.39	110.58	84.35	72.56	11.78	7.158			
2,100.00	2,095.90	2,095.66	2,089.67	6.01	6.30	-34.42	129.25	117.81	84.52	72.36	12.16	6.950			
2,200.00	2,195.52	2,195.66	2,189.29	6.20	6.51	-34.60	134.12	125.04	84.70	72.15	12.56	6.746			
2,204.50	2,200.00	2,200.16	2,193.77	6.21	6.52	-34.61	134.34	125.36	84.71	72.14	12.57	6.737			
2,300.00	2,295.06	2,294.02	2,287.18	6.38	6.72	-34.71	139.46	132.98	85.09	72.16	12.93	6.583			
2,400.00	2,394.43	2,392.16	2,384.57	6.57	6.95	-34.57	146.19	142.98	86.20	72.88	13.32	6.471			
2,500.00	2,493.58	2,490.25	2,481.58	6.77	7.18	-34.18	154.30	155.04	88.04	74.31	13.72	6.416			
2,600.00	2,592.49	2,589.24	2,579.13	6.96	7.34	-33.67	163.72	169.04	90.35	76.27	14.07	6.420			
2,700.00	2,691.13	2,689.24	2,677.60	7.15	7.54	-33.67	173.41	183.44	91.49	77.01	14.48	6.319			
2,800.00	2,789.47	2,789.23	2,776.07	7.35	7.74	-34.29	183.10	197.85	91.18	76.29	14.89	6.124			
2,900.00	2,887.48	2,889.19	2,874.52	7.56	7.95	-35.57	192.79	212.25	89.46	74.15	15.31	5.845			
2,904.03	2,891.42	2,893.22	2,878.49	7.56	7.96	-35.63	193.18	212.83	89.36	74.04	15.32	5.832			
3,000.00	2,985.30	2,989.13	2,972.94	7.75	8.15	-37.25	202.48	226.65	87.03	71.32	15.71	5.540			
3,100.00	3,083.11	3,089.07	3,071.36	7.95	8.36	-39.03	212.16	241.05	84.68	68.56	16.12	5.252			
3,200.00	3,180.93	3,189.00	3,169.78	8.15	8.57	-40.91	221.85	255.44	82.42	65.88	16.54	4.984			
3,300.00	3,278.75	3,288.94	3,268.19	8.36	8.77	-42.89	231.54	269.84	80.25	63.29	16.95	4.733			
3,400.00	3,376.56	3,388.88	3,366.61	8.57	8.98	-44.98	241.22	284.24	78.18	60.80	17.38	4.499			
3,500.00	3,474.38	3,488.81	3,465.03	8.78	9.19	-47.18	250.91	298.64	76.22	58.42	17.80	4.282			
3,600.00	3,572.20	3,588.75	3,563.45	8.99	9.39	-49.50	260.60	313.03	74.38	56.15	18.23	4.080			
3,700.00	3,670.01	3,688.69	3,661.87	9.21	9.60	-51.92	270.28	327.43	72.67	54.01	18.66	3.895			
3,800.00	3,767.83	3,789.67	3,761.51	9.44	9.82	-55.23	279.44	341.03	70.40	51.30	19.09	3.687			
3,900.00	3,865.64	3,890.43	3,861.33	9.67	10.04	-60.64	287.10	352.43	66.96	47.46	19.50	3.434			
4,000.00	3,963.46	3,990.73	3,961.02	9.91	10.25	-68.71	293.27	361.60	63.08	43.22	19.86	3.177			
4,063.13	4,025.21	4,053.76	4,023.79	10.05	10.38	-75.43	296.40	366.25	60.92	40.89	20.03	3.041			
4,100.00	4,061.30	4,090.46	4,060.39	10.12	10.45	-79.86	297.95	368.56	59.99	39.87	20.13	2.981			
4,172.87	4,132.76	4,162.82	4,132.61	10.29	10.59	-89.19	300.44	372.26	59.21	38.88	20.33	2.913	ES		
4,200.00	4,159.42	4,189.70	4,159.45	10.36	10.64	-92.79	301.17	373.34	59.33	38.92	20.41	2.907	SF		
4,300.00	4,257.86	4,288.45	4,258.15	10.59	10.82	-106.10	302.95	375.99	61.86	41.16	20.70	2.989			
4,400.00	4,356.59	4,386.90	4,356.59	10.80	10.90	-118.40	303.35	376.58	67.70	46.74	20.97	3.229			
4,500.00	4,455.59	4,485.89	4,455.59	11.01	10.98	-127.88	303.35	376.58	75.51	54.24	21.27	3.550			
4,600.00	4,554.82	4,585.12	4,554.82	11.20	11.06	-134.63	303.35	376.58	83.74	62.16	21.58	3.881			

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

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

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:				Offset Well Error:		0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)		
4,700.00	4,654.24	4,684.55	4,654.24	11.38	11.14	-139.42	303.35	376.58	91.58	69.71	21.87	4.187
4,800.00	4,753.84	4,784.15	4,753.84	11.54	11.23	-142.84	303.35	376.58	98.55	76.39	22.15	4.448
4,900.00	4,853.58	4,883.88	4,853.58	11.69	11.31	-145.26	303.35	376.58	104.38	81.96	22.42	4.655
5,000.00	4,953.43	4,983.73	4,953.43	11.83	11.39	-146.92	303.35	376.58	108.91	86.23	22.68	4.802
5,100.00	5,053.36	5,083.66	5,053.36	11.97	11.48	-147.97	303.35	376.58	112.04	89.12	22.92	4.888
5,200.00	5,153.34	5,183.64	5,153.34	12.09	11.56	-148.51	303.35	376.58	113.71	90.57	23.14	4.913
5,262.66	5,216.00	5,246.30	5,216.00	12.13	11.61	-90.39	303.35	376.58	114.00	90.76	23.24	4.905
5,300.00	5,253.34	5,283.64	5,253.34	12.15	11.64	-90.39	303.35	376.58	114.00	90.72	23.29	4.896
5,400.00	5,353.34	5,383.64	5,353.34	12.23	11.73	-90.39	303.35	376.58	114.00	90.56	23.45	4.862
5,500.00	5,453.34	5,483.64	5,453.34	12.31	11.81	-90.39	303.35	376.58	114.00	90.40	23.61	4.829
5,600.00	5,553.34	5,583.64	5,553.34	12.39	11.89	-90.39	303.35	376.58	114.00	90.24	23.77	4.797
5,700.00	5,653.34	5,683.64	5,653.34	12.47	11.98	-90.39	303.35	376.58	114.00	90.08	23.93	4.765
5,800.00	5,753.34	5,783.64	5,753.34	12.55	12.06	-90.39	303.35	376.58	114.00	89.92	24.09	4.733
5,900.00	5,853.34	5,883.64	5,853.34	12.63	12.14	-90.39	303.35	376.58	114.00	89.76	24.25	4.702
6,000.00	5,953.34	5,983.64	5,953.34	12.71	12.22	-90.39	303.35	376.58	114.00	89.60	24.41	4.671
6,100.00	6,053.34	6,083.64	6,053.34	12.79	12.31	-90.39	303.35	376.58	114.00	89.43	24.57	4.640
6,200.00	6,153.34	6,183.64	6,153.34	12.87	12.39	-90.39	303.35	376.58	114.00	89.27	24.73	4.610
6,300.00	6,253.34	6,283.64	6,253.34	12.95	12.47	-90.39	303.35	376.58	114.00	89.11	24.89	4.580
6,400.00	6,353.34	6,383.64	6,353.34	13.03	12.56	-90.39	303.35	376.58	114.00	88.95	25.05	4.551
6,500.00	6,453.34	6,483.64	6,453.34	13.12	12.64	-90.39	303.35	376.58	114.00	88.79	25.21	4.522
6,600.00	6,553.34	6,583.64	6,553.34	13.20	12.72	-90.39	303.35	376.58	114.00	88.63	25.37	4.494
6,700.00	6,653.34	6,683.64	6,653.34	13.28	12.81	-90.39	303.35	376.58	114.00	88.47	25.53	4.465
6,800.00	6,753.34	6,783.64	6,753.34	13.36	12.89	-90.39	303.35	376.58	114.00	88.31	25.69	4.437
6,900.00	6,853.34	6,883.64	6,853.34	13.44	12.97	-90.39	303.35	376.58	114.00	88.15	25.85	4.410
7,000.00	6,953.34	6,983.64	6,953.34	13.52	13.06	-90.39	303.35	376.58	114.00	87.99	26.01	4.383
7,100.00	7,053.34	7,083.64	7,053.34	13.60	13.14	-90.39	303.35	376.58	114.00	87.83	26.17	4.356
7,200.00	7,153.34	7,183.64	7,153.34	13.68	13.22	-90.39	303.35	376.58	114.00	87.67	26.33	4.329
7,300.00	7,253.34	7,283.64	7,253.34	13.76	13.30	-90.39	303.35	376.58	114.00	87.51	26.49	4.303
7,400.00	7,353.34	7,383.64	7,353.34	13.84	13.39	-90.39	303.35	376.58	114.00	87.35	26.66	4.277
7,500.00	7,453.34	7,483.64	7,453.34	13.93	13.47	-90.39	303.35	376.58	114.00	87.19	26.82	4.251
7,600.00	7,553.34	7,583.64	7,553.34	14.01	13.55	-90.39	303.35	376.58	114.00	87.03	26.98	4.226
7,700.00	7,653.34	7,683.64	7,653.34	14.09	13.64	-90.39	303.35	376.58	114.00	86.86	27.14	4.201
7,800.00	7,753.34	7,783.64	7,753.34	14.17	13.72	-90.39	303.35	376.58	114.00	86.70	27.30	4.176
7,900.00	7,853.34	7,883.64	7,853.34	14.25	13.80	-90.39	303.35	376.58	114.00	86.54	27.46	4.152
8,000.00	7,953.34	7,983.64	7,953.34	14.33	13.89	-90.39	303.35	376.58	114.00	86.38	27.62	4.127
8,100.00	8,053.34	8,083.64	8,053.34	14.41	13.97	-90.39	303.35	376.58	114.00	86.22	27.78	4.104
8,200.00	8,153.34	8,183.64	8,153.34	14.49	14.05	-90.39	303.35	376.58	114.00	86.06	27.94	4.080
8,300.00	8,253.34	8,283.64	8,253.34	14.57	14.13	-90.39	303.35	376.58	114.00	85.90	28.10	4.057
8,400.00	8,353.34	8,383.64	8,353.34	14.65	14.22	-90.39	303.35	376.58	114.00	85.74	28.26	4.033
8,500.00	8,453.34	8,483.64	8,453.34	14.74	14.30	-90.39	303.35	376.58	114.00	85.58	28.43	4.011
8,600.00	8,553.34	8,583.64	8,553.34	14.82	14.38	-90.39	303.35	376.58	114.00	85.42	28.59	3.988
8,700.00	8,653.34	8,683.64	8,653.34	14.90	14.47	-90.39	303.35	376.58	114.00	85.26	28.75	3.966
8,800.00	8,753.34	8,783.64	8,753.34	14.98	14.55	-90.39	303.35	376.58	114.00	85.09	28.91	3.944
8,900.00	8,853.34	8,883.64	8,853.34	15.06	14.63	-90.39	303.35	376.58	114.00	84.93	29.07	3.922
9,000.00	8,953.34	8,983.64	8,953.34	15.14	14.72	-90.39	303.35	376.58	114.00	84.77	29.23	3.900
9,100.00	9,053.34	9,083.64	9,053.34	15.22	14.80	-90.39	303.35	376.58	114.00	84.61	29.39	3.879
9,200.00	9,153.34	9,183.64	9,153.34	15.30	14.88	-90.39	303.35	376.58	114.00	84.45	29.55	3.858
9,300.00	9,253.34	9,283.64	9,253.34	15.38	14.96	-90.39	303.35	376.58	114.00	84.29	29.71	3.837
9,400.00	9,353.34	9,383.64	9,353.34	15.47	15.05	-90.39	303.35	376.58	114.00	84.13	29.88	3.816
9,500.00	9,453.34	9,483.64	9,453.34	15.55	15.13	-90.39	303.35	376.58	114.00	83.97	30.04	3.795
9,600.00	9,553.34	9,583.64	9,553.34	15.63	15.21	-90.39	303.35	376.58	114.00	83.80	30.20	3.775
9,700.00	9,653.34	9,683.64	9,653.34	15.71	15.30	-90.39	303.35	376.58	114.00	83.64	30.36	3.755

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
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Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

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

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:			Offset Well Error:		0.50 usft	
Reference		Offset		Semi Major Axis		Highside Toolface (")	Offset Wellbore Centre		Distance			Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,800.00	9,753.34	9,783.64	9,753.34	15.79	15.38	-90.39	303.35	376.58	114.00	83.48	30.52	3.735
9,900.00	9,853.34	9,883.64	9,853.34	15.87	15.46	-90.39	303.35	376.58	114.00	83.32	30.68	3.716
10,000.00	9,953.34	9,983.64	9,953.34	15.95	15.55	-90.39	303.35	376.58	114.00	83.16	30.84	3.696
10,100.00	10,053.34	10,083.64	10,053.34	16.03	15.63	-90.39	303.35	376.58	114.00	83.00	31.00	3.677
10,200.00	10,153.34	10,183.64	10,153.34	16.11	15.71	-90.39	303.35	376.58	114.00	82.84	31.17	3.658
10,300.00	10,253.34	10,283.64	10,253.34	16.20	15.79	-90.39	303.35	376.58	114.00	82.68	31.33	3.639
10,400.00	10,353.34	10,383.64	10,353.34	16.28	15.88	-90.39	303.35	376.58	114.00	82.51	31.49	3.620
10,500.00	10,453.34	10,483.64	10,453.34	16.36	15.96	-90.39	303.35	376.58	114.00	82.35	31.65	3.602
10,600.00	10,553.34	10,583.64	10,553.34	16.44	16.04	-90.39	303.35	376.58	114.00	82.19	31.81	3.584
10,700.00	10,653.34	10,683.64	10,653.34	16.52	16.13	-90.39	303.35	376.58	114.00	82.03	31.97	3.566
10,800.00	10,753.34	10,783.64	10,753.34	16.60	16.21	-90.39	303.35	376.58	114.00	81.87	32.13	3.548
10,900.00	10,853.34	10,883.64	10,853.34	16.68	16.29	-90.39	303.35	376.58	114.00	81.71	32.30	3.530
11,000.00	10,953.34	10,983.64	10,953.34	16.76	16.37	-90.39	303.35	376.58	114.00	81.55	32.46	3.512
11,100.00	11,053.34	11,083.64	11,053.34	16.85	16.46	-90.39	303.35	376.58	114.00	81.38	32.62	3.495
11,137.86	11,091.20	11,121.51	11,091.20	16.88	16.49	-90.49	303.15	376.58	114.00	81.33	32.67	3.489
11,200.00	11,153.34	11,183.20	11,152.67	16.93	16.52	-92.98	298.20	376.62	114.11	81.38	32.73	3.486
11,300.00	11,253.34	11,278.34	11,245.46	17.01	16.56	-103.07	277.72	376.80	117.07	84.14	32.93	3.555
11,400.00	11,353.34	11,364.67	11,325.70	17.09	16.61	-117.09	246.08	377.07	130.45	96.62	33.83	3.856
11,500.00	11,453.34	11,440.08	11,391.21	17.17	16.66	-130.09	208.85	377.39	160.46	124.65	35.81	4.481
11,599.66	11,553.00	11,500.00	11,439.44	17.25	16.71	-139.21	173.33	377.70	206.75	168.31	38.44	5.378
11,600.00	11,553.34	11,500.00	11,439.44	17.25	16.71	41.27	173.33	377.70	206.94	168.47	38.46	5.380
11,650.00	11,603.27	11,533.73	11,464.87	17.31	16.73	35.25	151.18	377.89	233.62	194.29	39.34	5.939
11,700.00	11,652.83	11,562.75	11,485.67	17.34	16.76	30.96	130.96	378.06	260.09	219.71	40.38	6.440
11,750.00	11,701.62	11,591.49	11,505.24	17.37	16.79	27.54	109.92	378.25	285.85	244.46	41.38	6.907
11,800.00	11,749.28	11,619.99	11,523.58	17.40	16.82	24.79	88.11	378.43	310.60	268.27	42.34	7.337
11,850.00	11,795.45	11,650.00	11,541.70	17.43	16.85	22.51	64.18	378.64	334.17	290.99	43.18	7.739
11,900.00	11,839.77	11,676.40	11,556.57	17.46	16.88	20.75	42.38	378.83	356.37	312.25	44.11	8.078
11,950.00	11,881.91	11,700.00	11,569.01	17.49	16.91	19.35	22.32	379.00	377.15	332.07	45.08	8.366
12,000.00	11,921.55	11,732.20	11,584.63	17.53	16.96	18.02	-5.83	379.24	396.28	350.56	45.72	8.667
12,050.00	11,958.38	11,750.00	11,592.58	17.57	16.99	17.14	-21.75	379.38	414.02	367.31	46.71	8.864
12,100.00	11,992.13	11,787.55	11,607.70	17.61	17.05	16.15	-56.11	379.68	429.66	382.51	47.14	9.114
12,150.00	12,022.53	11,815.09	11,617.35	17.66	17.10	15.45	-81.91	379.90	443.74	395.97	47.77	9.288
12,200.00	12,049.37	11,850.00	11,627.77	17.72	17.17	14.82	-115.22	380.18	456.14	407.92	48.22	9.459
12,250.00	12,072.42	11,869.99	11,632.82	17.79	17.21	14.42	-134.56	380.35	466.49	417.61	48.88	9.544
12,300.00	12,091.52	11,900.00	11,639.12	17.87	17.28	14.04	-163.90	380.60	475.09	425.78	49.31	9.635
12,350.00	12,106.52	11,924.71	11,643.16	17.97	17.34	13.78	-188.27	380.81	481.79	432.04	49.75	9.684
12,400.00	12,117.31	11,950.00	11,646.19	18.08	17.41	13.60	-213.38	381.03	486.60	436.49	50.11	9.711
12,450.00	12,123.81	11,979.31	11,648.32	18.20	17.49	13.48	-242.61	381.28	489.47	439.10	50.37	9.717
12,494.67	12,125.94	12,005.69	11,648.97	18.33	17.57	13.44	-268.98	381.51	490.41	439.86	50.55	9.701
12,500.00	12,125.98	12,011.02	11,649.02	18.35	17.59	13.44	-274.31	381.55	490.41	439.86	50.56	9.700
12,600.00	12,126.85	12,111.02	11,649.90	18.69	17.96	13.44	-374.30	382.41	490.41	439.74	50.67	9.679
12,700.00	12,127.73	12,211.02	11,650.77	19.10	18.41	13.44	-474.29	383.28	490.40	439.60	50.81	9.652
12,800.00	12,128.60	12,311.02	11,651.65	19.59	18.94	13.44	-574.28	384.14	490.40	439.43	50.97	9.622
12,900.00	12,129.47	12,411.02	11,652.53	20.15	19.56	13.44	-674.28	385.00	490.39	439.25	51.15	9.588
13,000.00	12,130.34	12,511.02	11,653.40	20.79	20.26	13.44	-774.27	385.86	490.39	439.04	51.35	9.550
13,100.00	12,131.21	12,611.02	11,654.28	21.50	21.03	13.44	-874.26	386.72	490.39	438.81	51.58	9.508
13,200.00	12,132.08	12,711.02	11,655.16	22.27	21.86	13.44	-974.25	387.58	490.38	438.55	51.83	9.462
13,300.00	12,132.95	12,811.02	11,656.03	23.10	22.75	13.44	-1,074.25	388.44	490.38	438.28	52.10	9.413
13,400.00	12,133.83	12,911.02	11,656.91	23.99	23.69	13.44	-1,174.24	389.30	490.37	437.98	52.39	9.361
13,500.00	12,134.70	13,011.02	11,657.79	24.92	24.67	13.44	-1,274.23	390.16	490.37	437.67	52.70	9.305
13,600.00	12,135.57	13,111.02	11,658.66	25.89	25.69	13.44	-1,374.22	391.02	490.36	437.33	53.03	9.247
13,700.00	12,136.44	13,211.02	11,659.54	26.89	26.74	13.44	-1,474.22	391.89	490.36	436.97	53.38	9.185

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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		Rule Assigned: Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)						
19,000.00	12,182.62	18,511.03	11,705.99	94.55	95.02	13.45	-6,773.82	437.52	490.10	399.37	90.73	5.402		
19,100.00	12,183.49	18,611.03	11,706.86	95.90	96.37	13.45	-6,873.81	438.38	490.09	398.46	91.63	5.348		
19,200.00	12,184.37	18,711.03	11,707.74	97.24	97.72	13.45	-6,973.80	439.24	490.09	397.54	92.55	5.296		
19,300.00	12,185.24	18,811.03	11,708.62	98.59	99.07	13.45	-7,073.79	440.10	490.08	396.62	93.46	5.244		
19,400.00	12,186.11	18,911.03	11,709.49	99.94	100.42	13.45	-7,173.79	440.96	490.08	395.70	94.38	5.193		
19,500.00	12,186.98	19,011.03	11,710.37	101.29	101.77	13.45	-7,273.78	441.82	490.07	394.77	95.30	5.142		
19,600.00	12,187.85	19,111.03	11,711.25	102.64	103.12	13.45	-7,373.77	442.68	490.07	393.84	96.23	5.093		
19,700.00	12,188.72	19,211.03	11,712.12	103.99	104.48	13.45	-7,473.76	443.54	490.06	392.90	97.16	5.044		
19,800.00	12,189.59	19,311.03	11,713.00	105.34	105.83	13.45	-7,573.76	444.40	490.06	391.97	98.09	4.996		
19,900.00	12,190.47	19,411.03	11,713.88	106.69	107.18	13.45	-7,673.75	445.27	490.05	391.02	99.03	4.949		
20,000.00	12,191.34	19,511.03	11,714.75	108.04	108.54	13.45	-7,773.74	446.13	490.05	390.08	99.97	4.902		
20,100.00	12,192.21	19,611.03	11,715.63	109.39	109.89	13.45	-7,873.73	446.99	490.04	389.13	100.91	4.856		
20,200.00	12,193.08	19,711.03	11,716.51	110.75	111.25	13.45	-7,973.73	447.85	490.04	388.18	101.86	4.811		
20,300.00	12,193.95	19,811.03	11,717.38	112.10	112.60	13.45	-8,073.72	448.71	490.03	387.23	102.80	4.767		
20,400.00	12,194.82	19,911.03	11,718.26	113.45	113.96	13.45	-8,173.71	449.57	490.03	386.27	103.75	4.723		
20,500.00	12,195.69	20,011.03	11,719.13	114.81	115.31	13.45	-8,273.70	450.43	490.02	385.32	104.71	4.680		
20,600.00	12,196.57	20,111.03	11,720.01	116.16	116.67	13.45	-8,373.70	451.29	490.02	384.36	105.66	4.638		
20,700.00	12,197.44	20,211.03	11,720.89	117.52	118.02	13.45	-8,473.69	452.15	490.01	383.39	106.62	4.596		
20,800.00	12,198.31	20,311.03	11,721.76	118.87	119.38	13.45	-8,573.68	453.01	490.01	382.43	107.58	4.555		
20,900.00	12,199.18	20,411.03	11,722.64	120.23	120.74	13.45	-8,673.67	453.88	490.01	381.46	108.55	4.514		
21,000.00	12,200.05	20,511.03	11,723.52	121.58	122.10	13.45	-8,773.67	454.74	490.00	380.49	109.51	4.474		
21,100.00	12,200.92	20,611.03	11,724.39	122.94	123.45	13.45	-8,873.66	455.60	490.00	379.51	110.48	4.435		
21,200.00	12,201.79	20,711.03	11,725.27	124.29	124.81	13.45	-8,973.65	456.46	489.99	378.54	111.45	4.396		
21,300.00	12,202.67	20,811.03	11,726.15	125.65	126.17	13.45	-9,073.64	457.32	489.99	377.56	112.42	4.358		
21,400.00	12,203.54	20,911.03	11,727.02	127.01	127.53	13.45	-9,173.64	458.18	489.98	376.58	113.40	4.321		
21,500.00	12,204.41	21,011.03	11,727.90	128.36	128.89	13.45	-9,273.63	459.04	489.98	375.60	114.38	4.284		
21,600.00	12,205.28	21,111.03	11,728.77	129.72	130.24	13.45	-9,373.62	459.90	489.97	374.62	115.35	4.248		
21,700.00	12,206.15	21,211.03	11,729.65	131.08	131.60	13.45	-9,473.61	460.76	489.97	373.63	116.34	4.212		
21,800.00	12,207.02	21,311.03	11,730.53	132.44	132.96	13.45	-9,573.61	461.62	489.96	372.64	117.32	4.176		
21,900.00	12,207.89	21,411.03	11,731.40	133.79	134.32	13.46	-9,673.60	462.48	489.96	371.65	118.30	4.142		
22,000.00	12,208.77	21,511.03	11,732.28	135.15	135.68	13.46	-9,773.59	463.35	489.95	370.66	119.29	4.107		
22,100.00	12,209.64	21,611.03	11,733.16	136.51	137.04	13.46	-9,873.58	464.21	489.95	369.67	120.28	4.073		
22,200.00	12,210.51	21,711.03	11,734.03	137.87	138.40	13.46	-9,973.58	465.07	489.94	368.67	121.27	4.040		
22,300.00	12,211.38	21,811.03	11,734.91	139.23	139.76	13.46	-10,073.57	465.93	489.94	367.68	122.26	4.007		
22,400.00	12,212.25	21,911.03	11,735.79	140.59	141.12	13.46	-10,173.56	466.79	489.93	366.68	123.25	3.975		
22,424.47	12,212.46	21,935.47	11,736.00	140.89	141.45	13.46	-10,198.00	467.00	489.93	366.48	123.45	3.969		
22,428.60	12,212.50	21,935.47	11,736.00	140.94	141.45	13.46	-10,198.00	467.00	489.95	366.41	123.54	3.966		

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

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

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:				Offset Well Error:		0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)		
20,000.00	12,191.34	19,487.23	11,643.35	108.04	118.83	-70.37	-7,757.43	2,104.93	1,640.19	1,424.19	216.00	7.594
20,100.00	12,192.21	19,587.23	11,643.87	109.39	120.19	-70.36	-7,857.43	2,105.83	1,640.35	1,421.80	218.56	7.505
20,200.00	12,193.08	19,687.23	11,644.40	110.75	121.55	-70.35	-7,957.42	2,106.74	1,640.52	1,419.40	221.11	7.419
20,300.00	12,193.95	19,787.23	11,644.92	112.10	122.91	-70.34	-8,057.42	2,107.65	1,640.68	1,417.01	223.67	7.335
20,400.00	12,194.82	19,887.23	11,645.45	113.45	124.28	-70.33	-8,157.41	2,108.56	1,640.84	1,414.61	226.23	7.253
20,500.00	12,195.69	19,987.23	11,645.97	114.81	125.64	-70.32	-8,257.40	2,109.47	1,641.00	1,412.21	228.79	7.173
20,600.00	12,196.57	20,087.23	11,646.50	116.16	127.00	-70.31	-8,357.40	2,110.38	1,641.16	1,409.82	231.34	7.094
20,700.00	12,197.44	20,187.22	11,647.02	117.52	128.36	-70.30	-8,457.39	2,111.29	1,641.32	1,407.42	233.90	7.017
20,800.00	12,198.31	20,287.22	11,647.55	118.87	129.72	-70.28	-8,557.39	2,112.20	1,641.49	1,405.03	236.46	6.942
20,900.00	12,199.18	20,387.22	11,648.07	120.23	131.09	-70.27	-8,657.38	2,113.11	1,641.65	1,402.63	239.02	6.868
21,000.00	12,200.05	20,487.22	11,648.60	121.58	132.45	-70.26	-8,757.37	2,114.01	1,641.81	1,400.23	241.58	6.796
21,100.00	12,200.92	20,587.22	11,649.12	122.94	133.81	-70.25	-8,857.37	2,114.92	1,641.97	1,397.83	244.14	6.726
21,200.00	12,201.79	20,687.22	11,649.65	124.29	135.17	-70.24	-8,957.36	2,115.83	1,642.13	1,395.44	246.70	6.656
21,300.00	12,202.67	20,787.22	11,650.17	125.65	136.54	-70.23	-9,057.35	2,116.74	1,642.30	1,393.04	249.26	6.589
21,400.00	12,203.54	20,887.22	11,650.70	127.01	137.90	-70.22	-9,157.35	2,117.65	1,642.46	1,390.64	251.82	6.522
21,500.00	12,204.41	20,987.22	11,651.22	128.36	139.26	-70.21	-9,257.34	2,118.56	1,642.62	1,388.24	254.38	6.457
21,600.00	12,205.28	21,087.22	11,651.75	129.72	140.62	-70.20	-9,357.34	2,119.47	1,642.78	1,385.85	256.94	6.394
21,700.00	12,206.15	21,187.22	11,652.27	131.08	141.99	-70.19	-9,457.33	2,120.38	1,642.95	1,383.45	259.50	6.331
21,800.00	12,207.02	21,287.22	11,652.80	132.44	143.35	-70.18	-9,557.32	2,121.29	1,643.11	1,381.05	262.06	6.270
21,900.00	12,207.89	21,387.22	11,653.32	133.79	144.71	-70.17	-9,657.32	2,122.19	1,643.27	1,378.65	264.62	6.210
22,000.00	12,208.77	21,487.22	11,653.85	135.15	146.08	-70.15	-9,757.31	2,123.10	1,643.43	1,376.25	267.18	6.151
22,100.00	12,209.64	21,587.22	11,654.37	136.51	147.44	-70.14	-9,857.31	2,124.01	1,643.60	1,373.86	269.74	6.093
22,200.00	12,210.51	21,687.22	11,654.90	137.87	148.81	-70.13	-9,957.30	2,124.92	1,643.76	1,371.46	272.30	6.037
22,300.00	12,211.38	21,787.21	11,655.42	139.23	150.17	-70.12	-10,057.29	2,125.83	1,643.92	1,369.06	274.86	5.981
22,400.00	12,212.25	21,887.21	11,655.95	140.59	151.53	-70.11	-10,157.29	2,126.74	1,644.08	1,366.66	277.42	5.926
22,428.60	12,212.50	21,915.81	11,656.10	140.94	151.92	-70.11	-10,185.89	2,127.00	1,644.13	1,366.02	278.11	5.912
												ES, SF

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 211H - OH - Plan 1

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)							Rule Assigned:					Offset Well Error:		0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre			Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)			
0.00	0.00	1.00	1.00	0.50	0.50	-171.12	-160.00	-25.00	161.94					
100.00	100.00	101.00	101.00	0.98	0.99	-171.12	-160.00	-25.00	161.94	159.97	1.97	82.302		
200.00	200.00	201.00	201.00	1.56	1.57	-171.12	-160.00	-25.00	161.94	158.81	3.13	51.798		
300.00	300.00	301.01	301.01	1.98	1.99	-171.12	-160.00	-25.00	161.94	157.98	3.97	40.833		
400.00	400.00	402.01	402.00	2.33	2.42	-170.65	-159.47	-26.26	161.62	156.96	4.67	34.631		
500.00	500.00	502.88	502.78	2.63	2.79	-169.26	-157.91	-29.97	160.74	155.46	5.28	30.458		
600.00	600.00	603.46	603.14	2.91	3.12	-166.91	-155.34	-36.11	159.49	153.67	5.82	27.394		
700.00	700.00	703.29	702.60	3.16	3.26	-163.85	-152.01	-44.02	158.27	152.05	6.21	25.482		
800.00	800.00	802.91	801.84	3.40	3.51	-160.71	-148.65	-52.03	157.49	150.80	6.70	23.517		
820.91	820.91	823.73	822.59	3.46	3.56	141.76	-147.95	-53.70	157.44	150.64	6.80	23.162	CC, ES	
900.00	899.99	902.45	901.00	3.68	3.75	144.52	-145.29	-60.03	158.27	151.07	7.19	22.008		
1,000.00	999.91	1,001.79	999.97	3.93	3.98	148.36	-141.94	-68.01	161.83	154.16	7.67	21.104		
1,100.00	1,099.69	1,100.86	1,098.66	4.18	4.21	152.40	-138.59	-75.97	168.41	160.28	8.14	20.702		
1,133.33	1,132.91	1,133.82	1,131.49	4.21	4.28	153.76	-137.48	-78.62	171.31	163.08	8.24	20.803		
1,200.00	1,199.32	1,199.68	1,197.11	4.29	4.43	156.42	-135.26	-83.91	177.66	169.19	8.47	20.979		
1,300.00	1,298.94	1,297.88	1,294.91	4.49	4.56	160.11	-131.84	-92.05	187.91	179.12	8.79	21.387		
1,400.00	1,398.56	1,394.82	1,391.24	4.68	4.81	163.95	-127.66	-102.02	199.58	190.38	9.20	21.685		
1,500.00	1,498.18	1,490.90	1,486.41	4.88	5.06	167.94	-122.58	-114.12	213.06	203.44	9.62	22.137		
1,600.00	1,597.80	1,586.01	1,580.27	5.07	5.31	171.96	-116.63	-128.26	228.62	218.58	10.05	22.754		
1,700.00	1,697.42	1,680.04	1,672.67	5.26	5.54	175.90	-109.87	-144.37	246.48	236.01	10.47	23.542		
1,800.00	1,797.04	1,772.91	1,763.47	5.45	5.78	179.68	-102.33	-162.32	266.77	255.88	10.89	24.499		
1,900.00	1,896.66	1,866.69	1,854.72	5.64	5.96	-176.70	-93.96	-182.25	289.43	278.16	11.27	25.680		
2,000.00	1,996.28	1,962.37	1,947.76	5.82	6.16	-173.50	-85.31	-202.85	313.29	301.60	11.68	26.817		
2,100.00	2,095.90	2,058.06	2,040.80	6.01	6.36	-170.75	-76.66	-223.45	337.96	325.86	12.10	27.931		
2,200.00	2,195.52	2,153.75	2,133.85	6.20	6.57	-168.37	-68.01	-244.05	363.28	350.76	12.52	29.016		
2,204.50	2,200.00	2,158.05	2,138.03	6.21	6.58	-168.27	-67.62	-244.98	364.43	351.89	12.54	29.064		
2,300.00	2,295.06	2,249.25	2,226.71	6.38	6.79	-166.26	-59.38	-264.62	389.87	376.95	12.92	30.166		
2,400.00	2,394.43	2,344.35	2,319.18	6.57	7.01	-164.47	-50.78	-285.09	418.48	405.15	13.33	31.383		
2,500.00	2,493.58	2,439.01	2,411.22	6.77	7.25	-162.94	-42.22	-305.47	449.00	435.25	13.74	32.670		
2,600.00	2,592.49	2,533.20	2,502.81	6.96	7.50	-161.65	-33.71	-325.74	481.31	467.16	14.15	34.006		
2,700.00	2,691.13	2,626.89	2,593.91	7.15	7.77	-160.55	-25.24	-345.91	515.34	500.78	14.56	35.399		
2,800.00	2,789.47	2,720.05	2,684.49	7.35	8.05	-159.64	-16.82	-365.97	551.02	536.05	14.97	36.815		
2,900.00	2,887.48	2,812.66	2,774.54	7.56	8.32	-158.87	-8.44	-385.91	588.30	572.91	15.38	38.245		
2,904.03	2,891.42	2,816.38	2,778.16	7.56	8.33	-158.84	-8.11	-386.71	589.83	574.43	15.40	38.303		
3,000.00	2,985.30	2,904.96	2,864.29	7.75	8.59	-158.34	-0.10	-405.78	626.44	610.65	15.79	39.679		
3,100.00	3,083.11	2,997.26	2,954.04	7.95	8.87	-157.88	8.25	-425.65	664.62	648.42	16.20	41.033		
3,200.00	3,180.93	3,089.56	3,043.79	8.15	9.15	-157.47	16.59	-445.52	702.83	686.22	16.61	42.319		
3,300.00	3,278.75	3,181.86	3,133.54	8.36	9.43	-157.10	24.93	-465.39	741.07	724.05	17.02	43.539		
3,400.00	3,376.56	3,274.16	3,223.29	8.57	9.71	-156.77	33.28	-485.26	779.34	761.90	17.44	44.699		
3,500.00	3,474.38	3,366.46	3,313.04	8.78	9.99	-156.47	41.62	-505.13	817.62	799.77	17.85	45.802		
3,600.00	3,572.20	3,458.76	3,402.78	8.99	10.27	-156.20	49.97	-525.00	855.93	837.66	18.27	46.851		
3,700.00	3,670.01	3,551.06	3,492.53	9.21	10.55	-155.95	58.31	-544.87	894.24	875.56	18.69	47.851		
3,800.00	3,767.83	3,643.36	3,582.28	9.44	10.84	-155.72	66.65	-564.74	932.58	913.47	19.11	48.805		
3,900.00	3,865.64	3,735.66	3,672.03	9.67	11.12	-155.51	75.00	-584.61	970.92	951.39	19.53	49.715		
4,000.00	3,963.46	3,827.96	3,761.78	9.91	11.41	-155.31	83.34	-604.48	1,009.27	989.32	19.95	50.583		
4,063.13	4,025.21	3,886.23	3,818.44	10.05	11.59	-155.19	88.61	-617.03	1,033.49	1,013.29	20.20	51.158		
4,100.00	4,061.30	3,920.30	3,851.56	10.12	11.69	-155.19	91.69	-624.36	1,047.54	1,027.20	20.34	51.498		
4,200.00	4,159.42	4,013.09	3,941.79	10.36	11.98	-155.15	100.08	-644.34	1,084.64	1,063.87	20.76	52.238		
4,300.00	4,257.86	4,106.43	4,032.55	10.59	12.27	-155.08	108.52	-664.43	1,120.27	1,099.09	21.18	52.886		
4,400.00	4,356.59	4,200.29	4,123.82	10.80	12.56	-154.98	117.00	-684.64	1,154.44	1,132.84	21.60	53.447		
4,500.00	4,455.59	4,294.63	4,215.55	11.01	12.85	-154.85	125.53	-704.95	1,187.15	1,165.13	22.01	53.928		
4,600.00	4,554.82	4,389.44	4,307.74	11.20	13.15	-154.69	134.10	-725.36	1,218.38	1,195.96	22.42	54.335		

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 211H - OH - Plan 1

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)							Rule Assigned:				Offset Well Error:		0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
4,700.00	4,654.24	4,484.67	4,400.34	11.38	13.45	-154.50	142.71	-745.86	1,248.15	1,225.32	22.83	54.675	
4,800.00	4,753.84	4,580.31	4,493.33	11.54	13.75	-154.28	151.36	-766.45	1,276.44	1,253.22	23.23	54.953	
4,900.00	4,853.58	4,676.32	4,586.69	11.69	14.05	-154.04	160.04	-787.12	1,303.27	1,279.65	23.62	55.176	
5,000.00	4,953.43	4,772.67	4,680.38	11.83	14.35	-153.77	168.75	-807.86	1,328.64	1,304.64	24.01	55.348	
5,100.00	5,053.36	4,869.34	4,774.37	11.97	14.65	-153.48	177.49	-828.68	1,352.55	1,328.17	24.38	55.477	
5,200.00	5,153.34	4,966.28	4,868.64	12.09	14.96	-153.16	186.25	-849.55	1,375.00	1,350.26	24.74	55.574	
5,262.66	5,216.00	5,027.17	4,927.84	12.13	15.15	-94.75	191.76	-862.65	1,388.34	1,363.41	24.93	55.690	
5,300.00	5,253.34	5,063.47	4,963.14	12.15	15.26	-94.58	195.04	-870.47	1,396.12	1,371.09	25.03	55.784	
5,400.00	5,353.34	5,160.71	5,057.69	12.23	15.57	-94.15	203.83	-891.40	1,417.02	1,391.69	25.33	55.938	
5,500.00	5,453.34	5,257.94	5,152.24	12.31	15.87	-93.73	212.62	-912.34	1,437.99	1,412.35	25.64	56.091	
5,600.00	5,553.34	5,355.18	5,246.78	12.39	16.18	-93.32	221.41	-933.27	1,459.03	1,433.09	25.94	56.244	
5,700.00	5,653.34	5,452.42	5,341.33	12.47	16.48	-92.93	230.20	-954.20	1,480.15	1,453.90	26.25	56.396	
5,800.00	5,753.34	5,549.65	5,435.88	12.55	16.79	-92.54	238.99	-975.14	1,501.33	1,474.78	26.55	56.546	
5,900.00	5,853.34	5,646.89	5,530.43	12.63	17.10	-92.17	247.78	-996.07	1,522.57	1,495.72	26.85	56.697	
6,000.00	5,953.34	5,771.13	5,651.39	12.71	17.48	-91.72	258.75	-1,022.19	1,543.47	1,516.21	27.26	56.813	
6,100.00	6,053.34	5,927.25	5,804.52	12.79	17.90	-91.25	270.52	-1,050.23	1,561.29	1,533.53	27.76	56.233	
6,200.00	6,153.34	6,085.68	5,961.03	12.87	18.26	-90.88	279.99	-1,072.77	1,575.44	1,547.21	28.22	55.820	
6,300.00	6,253.34	6,245.89	6,120.21	12.95	18.55	-90.62	286.99	-1,089.45	1,585.81	1,557.18	28.63	55.386	
6,400.00	6,353.34	6,407.36	6,281.26	13.03	18.78	-90.46	291.43	-1,100.03	1,592.33	1,563.35	28.99	54.932	
6,500.00	6,453.34	6,569.52	6,443.33	13.12	18.92	-90.39	293.24	-1,104.32	1,594.98	1,565.73	29.24	54.539	
6,600.00	6,553.34	6,680.52	6,554.34	13.20	18.99	-90.39	293.28	-1,104.42	1,595.04	1,565.65	29.39	54.278	
6,700.00	6,653.34	6,780.52	6,654.34	13.28	19.04	-90.39	293.28	-1,104.42	1,595.04	1,565.52	29.52	54.034	
6,800.00	6,753.34	6,880.52	6,754.34	13.36	19.10	-90.39	293.28	-1,104.42	1,595.04	1,565.39	29.65	53.792	
6,900.00	6,853.34	6,980.52	6,854.34	13.44	19.15	-90.39	293.28	-1,104.42	1,595.04	1,565.25	29.79	53.552	
7,000.00	6,953.34	7,080.52	6,954.34	13.52	19.21	-90.39	293.28	-1,104.42	1,595.04	1,565.12	29.92	53.313	
7,100.00	7,053.34	7,180.52	7,054.34	13.60	19.26	-90.39	293.28	-1,104.42	1,595.04	1,564.98	30.05	53.075	
7,200.00	7,153.34	7,280.52	7,154.34	13.68	19.32	-90.39	293.28	-1,104.42	1,595.04	1,564.85	30.19	52.840	
7,300.00	7,253.34	7,380.52	7,254.34	13.76	19.37	-90.39	293.28	-1,104.42	1,595.04	1,564.72	30.32	52.606	
7,400.00	7,353.34	7,480.52	7,354.34	13.84	19.43	-90.39	293.28	-1,104.42	1,595.04	1,564.58	30.45	52.374	
7,500.00	7,453.34	7,580.52	7,454.34	13.93	19.48	-90.39	293.28	-1,104.42	1,595.04	1,564.45	30.59	52.143	
7,600.00	7,553.34	7,680.52	7,554.34	14.01	19.54	-90.39	293.28	-1,104.42	1,595.04	1,564.31	30.72	51.914	
7,700.00	7,653.34	7,780.52	7,654.34	14.09	19.59	-90.39	293.28	-1,104.42	1,595.04	1,564.18	30.86	51.686	
7,800.00	7,753.34	7,880.52	7,754.34	14.17	19.65	-90.39	293.28	-1,104.42	1,595.04	1,564.04	31.00	51.461	
7,900.00	7,853.34	7,980.52	7,854.34	14.25	19.71	-90.39	293.28	-1,104.42	1,595.04	1,563.91	31.13	51.236	
8,000.00	7,953.34	8,080.52	7,954.34	14.33	19.76	-90.39	293.28	-1,104.42	1,595.04	1,563.77	31.27	51.013	
8,100.00	8,053.34	8,180.52	8,054.34	14.41	19.82	-90.39	293.28	-1,104.42	1,595.04	1,563.63	31.40	50.792	
8,200.00	8,153.34	8,280.52	8,154.34	14.49	19.87	-90.39	293.28	-1,104.42	1,595.04	1,563.50	31.54	50.573	
8,300.00	8,253.34	8,380.52	8,254.34	14.57	19.93	-90.39	293.28	-1,104.42	1,595.04	1,563.36	31.68	50.355	
8,400.00	8,353.34	8,480.52	8,354.34	14.65	19.99	-90.39	293.28	-1,104.42	1,595.04	1,563.22	31.81	50.138	
8,500.00	8,453.34	8,580.52	8,454.34	14.74	20.05	-90.39	293.28	-1,104.42	1,595.04	1,563.09	31.95	49.923	
8,600.00	8,553.34	8,680.52	8,554.34	14.82	20.10	-90.39	293.28	-1,104.42	1,595.04	1,562.95	32.09	49.709	
8,700.00	8,653.34	8,780.52	8,654.34	14.90	20.16	-90.39	293.28	-1,104.42	1,595.04	1,562.81	32.22	49.497	
8,800.00	8,753.34	8,880.52	8,754.34	14.98	20.22	-90.39	293.28	-1,104.42	1,595.04	1,562.67	32.36	49.287	
8,900.00	8,853.34	8,980.52	8,854.34	15.06	20.28	-90.39	293.28	-1,104.42	1,595.04	1,562.54	32.50	49.078	
9,000.00	8,953.34	9,080.52	8,954.34	15.14	20.33	-90.39	293.28	-1,104.42	1,595.04	1,562.40	32.64	48.870	
9,100.00	9,053.34	9,180.52	9,054.34	15.22	20.39	-90.39	293.28	-1,104.42	1,595.04	1,562.26	32.78	48.664	
9,200.00	9,153.34	9,280.52	9,154.34	15.30	20.45	-90.39	293.28	-1,104.42	1,595.04	1,562.12	32.92	48.459	
9,300.00	9,253.34	9,380.52	9,254.34	15.38	20.51	-90.39	293.28	-1,104.42	1,595.04	1,561.98	33.05	48.256	
9,400.00	9,353.34	9,480.52	9,354.34	15.47	20.57	-90.39	293.28	-1,104.42	1,595.04	1,561.84	33.19	48.054	
9,500.00	9,453.34	9,580.52	9,454.34	15.55	20.63	-90.39	293.28	-1,104.42	1,595.04	1,561.71	33.33	47.853	
9,600.00	9,553.34	9,680.52	9,554.34	15.63	20.69	-90.39	293.28	-1,104.42	1,595.04	1,561.57	33.47	47.654	
9,700.00	9,653.34	9,780.52	9,654.34	15.71	20.74	-90.39	293.28	-1,104.42	1,595.04	1,561.43	33.61	47.456	

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 211H - OH - Plan 1														Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)														Offset Well Error:	0.50 usft
Reference Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)							
9,800.00	9,753.34	9,880.52	9,754.34	15.79	20.80	-90.39	293.28	-1,104.42	1,595.04	1,561.29		33.75	47.260		
9,900.00	9,853.34	9,980.52	9,854.34	15.87	20.86	-90.39	293.28	-1,104.42	1,595.04	1,561.15		33.89	47.065		
10,000.00	9,953.34	10,080.52	9,954.34	15.95	20.92	-90.39	293.28	-1,104.42	1,595.04	1,561.01		34.03	46.871		
10,100.00	10,053.34	10,180.52	10,054.34	16.03	20.98	-90.39	293.28	-1,104.42	1,595.04	1,560.87		34.17	46.679		
10,200.00	10,153.34	10,280.52	10,154.34	16.11	21.04	-90.39	293.28	-1,104.42	1,595.04	1,560.73		34.31	46.488		
10,300.00	10,253.34	10,380.52	10,254.34	16.20	21.10	-90.39	293.28	-1,104.42	1,595.04	1,560.59		34.45	46.298		
10,400.00	10,353.34	10,480.52	10,354.34	16.28	21.16	-90.39	293.28	-1,104.42	1,595.04	1,560.44		34.59	46.109		
10,500.00	10,453.34	10,580.52	10,454.34	16.36	21.22	-90.39	293.28	-1,104.42	1,595.04	1,560.30		34.73	45.922		
10,600.00	10,553.34	10,680.52	10,554.34	16.44	21.28	-90.39	293.28	-1,104.42	1,595.04	1,560.16		34.87	45.736		
10,700.00	10,653.34	10,780.52	10,654.34	16.52	21.34	-90.39	293.28	-1,104.42	1,595.04	1,560.02		35.02	45.552		
10,800.00	10,753.34	10,880.52	10,754.34	16.60	21.40	-90.39	293.28	-1,104.42	1,595.04	1,559.88		35.16	45.369		
10,900.00	10,853.34	10,980.52	10,854.34	16.68	21.47	-90.39	293.28	-1,104.42	1,595.04	1,559.74		35.30	45.186		
11,000.00	10,953.34	11,080.52	10,954.34	16.76	21.53	-90.39	293.28	-1,104.42	1,595.04	1,559.60		35.44	45.006		
11,100.00	11,053.34	11,180.52	11,054.34	16.85	21.59	-90.39	293.28	-1,104.42	1,595.04	1,559.45		35.58	44.826		
11,200.00	11,153.34	11,280.52	11,154.34	16.93	21.65	-90.39	293.28	-1,104.42	1,595.04	1,559.31		35.72	44.648		
11,300.00	11,253.34	11,380.52	11,254.34	17.01	21.71	-90.39	293.28	-1,104.42	1,595.04	1,559.17		35.87	44.471		
11,400.00	11,353.34	11,480.52	11,354.34	17.09	21.77	-90.39	293.28	-1,104.42	1,595.04	1,559.03		36.01	44.295		
11,500.00	11,453.34	11,580.52	11,454.34	17.17	21.83	-90.39	293.28	-1,104.42	1,595.04	1,558.88		36.15	44.120		
11,599.66	11,553.00	11,680.18	11,554.00	17.25	21.90	-90.39	293.28	-1,104.42	1,595.04	1,558.74		36.29	43.947		
11,600.00	11,553.34	11,680.52	11,554.34	17.25	21.90	90.10	293.28	-1,104.42	1,595.04	1,558.74		36.29	43.947		
11,650.00	11,603.27	11,730.46	11,604.27	17.31	21.93	90.18	293.28	-1,104.42	1,595.04	1,558.72		36.33	43.910		
11,700.00	11,652.83	11,780.01	11,653.83	17.34	21.96	90.41	293.28	-1,104.42	1,595.08	1,558.76		36.32	43.918		
11,750.00	11,701.62	11,828.80	11,702.62	17.37	21.99	90.78	293.28	-1,104.42	1,595.19	1,558.90		36.29	43.951		
11,800.00	11,749.28	11,876.46	11,750.28	17.40	22.02	91.27	293.28	-1,104.42	1,595.48	1,559.22		36.25	44.008		
11,850.00	11,795.45	11,922.63	11,796.45	17.43	22.05	91.85	293.28	-1,104.42	1,596.04	1,559.84		36.20	44.092		
11,900.00	11,839.77	11,966.95	11,840.77	17.46	22.07	92.48	293.28	-1,104.42	1,597.03	1,560.90		36.13	44.202		
11,950.00	11,881.91	12,009.09	11,882.91	17.49	22.10	93.14	293.28	-1,104.42	1,598.60	1,562.55		36.05	44.342		
12,000.00	11,921.55	12,048.73	11,922.55	17.53	22.12	93.77	293.28	-1,104.42	1,600.92	1,564.96		35.96	44.516		
12,050.00	11,958.38	12,094.63	11,968.43	17.57	22.13	94.54	292.47	-1,104.41	1,604.11	1,568.25		35.86	44.731		
12,100.00	11,992.13	12,150.04	12,023.53	17.61	22.15	95.47	286.86	-1,104.36	1,607.99	1,572.25		35.74	44.994		
12,150.00	12,022.53	12,211.42	12,083.63	17.66	22.16	96.45	274.47	-1,104.26	1,612.46	1,576.84		35.62	45.271		
12,200.00	12,049.37	12,280.52	12,149.24	17.72	22.15	97.51	252.92	-1,104.07	1,617.42	1,581.90		35.52	45.533		
12,250.00	12,072.42	12,359.59	12,220.49	17.79	22.13	98.66	218.80	-1,103.78	1,622.69	1,587.21		35.48	45.741		
12,300.00	12,091.52	12,451.34	12,296.36	17.87	22.09	99.90	167.38	-1,103.34	1,627.99	1,592.48		35.51	45.849		
12,350.00	12,106.52	12,558.59	12,373.30	17.97	22.06	101.19	92.88	-1,102.70	1,632.95	1,597.29		35.65	45.800		
12,400.00	12,117.31	12,683.17	12,443.42	18.08	22.08	102.38	-9.79	-1,101.81	1,637.06	1,601.14		35.92	45.575		
12,450.00	12,123.81	12,823.76	12,493.84	18.20	22.21	103.25	-140.65	-1,100.69	1,639.77	1,603.49		36.28	45.199		
12,494.67	12,125.94	12,957.77	12,510.92	18.33	22.48	103.54	-273.24	-1,099.54	1,640.61	1,604.02		36.59	44.836		
12,500.00	12,125.98	12,964.05	12,510.98	18.35	22.50	103.54	-279.52	-1,099.49	1,640.61	1,604.00		36.61	44.809		
12,600.00	12,126.85	13,064.05	12,511.85	18.69	22.79	103.54	-379.51	-1,098.63	1,640.61	1,603.48		37.13	44.183		
12,700.00	12,127.73	13,164.05	12,512.72	19.10	23.15	103.54	-479.51	-1,097.77	1,640.61	1,602.79		37.83	43.372		
12,800.00	12,128.60	13,264.05	12,513.60	19.59	23.57	103.54	-579.50	-1,096.91	1,640.61	1,601.92		38.69	42.402		
12,900.00	12,129.47	13,364.05	12,514.47	20.15	24.04	103.54	-679.49	-1,096.05	1,640.61	1,600.90		39.72	41.307		
13,000.00	12,130.34	13,464.05	12,515.34	20.79	24.56	103.54	-779.48	-1,095.19	1,640.61	1,599.72		40.89	40.122		
13,100.00	12,131.21	13,564.05	12,516.22	21.50	25.14	103.54	-879.48	-1,094.33	1,640.62	1,598.42		42.20	38.878		
13,200.00	12,132.08	13,664.05	12,517.09	22.27	25.77	103.54	-979.47	-1,093.47	1,640.62	1,596.98		43.63	37.602		
13,300.00	12,132.95	13,764.05	12,517.96	23.10	26.44	103.54	-1,079.46	-1,092.60	1,640.62	1,595.44		45.18	36.316		
13,400.00	12,133.83	13,864.05	12,518.84	23.99	27.16	103.54	-1,179.45	-1,091.74	1,640.62	1,593.80		46.82	35.040		
13,500.00	12,134.70	13,964.05	12,519.71	24.92	27.93	103.54	-1,279.45	-1,090.88	1,640.62	1,592.06		48.56	33.787		
13,600.00	12,135.57	14,064.05	12,520.58	25.89	28.73	103.54	-1,379.44	-1,090.02	1,640.62	1,590.24		50.38	32.567		
13,700.00	12,136.44	14,164.05	12,521.46	26.89	29.57	103.54	-1,479.43	-1,089.16	1,640.62	1,588.35		52.27	31.389		
13,800.00	12,137.31	14,264.05	12,522.33	27.93	30.45	103.54	-1,579.42	-1,088.30	1,640.62	1,586.40		54.22	30.256		

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 212H - OH - Plan 1

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)							Rule Assigned:				Offset Well Error:		0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			Minimum Separation (usft)
0.00	0.00	0.00	0.00	0.50	0.50	-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	
400.00	400.00	400.00	400.00	2.33	2.33	-45.00	25.00	-25.00	35.36	30.70	4.66	7.589	
500.00	500.00	500.00	500.00	2.63	2.63	-45.00	25.00	-25.00	35.36	30.09	5.27	6.710	
600.00	600.00	600.00	600.00	2.91	2.91	-45.00	25.00	-25.00	35.36	29.54	5.82	6.075	
700.00	700.00	700.00	700.00	3.16	3.16	-45.00	25.00	-25.00	35.36	29.03	6.33	5.587	
800.00	800.00	800.00	800.00	3.40	3.40	-45.00	25.00	-25.00	35.36	28.55	6.80	5.198	
900.00	899.99	899.99	899.99	3.68	3.62	-105.24	25.00	-25.00	35.68	28.43	7.25	4.922	
1,000.00	999.91	999.91	999.91	3.93	3.84	-111.11	25.00	-25.00	36.90	29.23	7.68	4.808	
1,100.00	1,099.69	1,099.69	1,099.69	4.18	4.04	-119.89	25.00	-25.00	39.73	31.63	8.10	4.905	
1,133.33	1,132.91	1,132.91	1,132.91	4.21	4.10	-123.20	25.00	-25.00	41.18	32.99	8.20	5.025	
1,200.00	1,199.32	1,199.32	1,199.32	4.29	4.23	-129.44	25.00	-25.00	44.64	36.21	8.42	5.300	
1,300.00	1,298.94	1,298.94	1,298.94	4.49	4.42	-137.06	25.00	-25.00	50.63	41.81	8.82	5.738	
1,400.00	1,398.56	1,398.56	1,398.56	4.68	4.60	-143.00	25.00	-25.00	57.33	48.12	9.21	6.223	
1,500.00	1,498.18	1,498.18	1,498.18	4.88	4.77	-147.66	25.00	-25.00	64.52	54.92	9.59	6.726	
1,600.00	1,597.80	1,597.80	1,597.80	5.07	4.94	-151.36	25.00	-25.00	72.04	62.08	9.96	7.232	
1,700.00	1,697.42	1,697.42	1,697.42	5.26	5.11	-154.36	25.00	-25.00	79.80	69.48	10.32	7.731	
1,800.00	1,797.04	1,797.04	1,797.04	5.45	5.27	-156.82	25.00	-25.00	87.75	77.07	10.68	8.218	
1,900.00	1,896.66	1,896.66	1,896.66	5.64	5.43	-158.87	25.00	-25.00	95.82	84.80	11.03	8.690	
2,000.00	1,996.28	1,996.28	1,996.28	5.82	5.58	-160.60	25.00	-25.00	104.00	92.63	11.37	9.146	
2,100.00	2,095.90	2,095.90	2,095.90	6.01	5.74	-162.08	25.00	-25.00	112.27	100.55	11.71	9.585	
2,200.00	2,195.52	2,195.52	2,195.52	6.20	5.89	-163.36	25.00	-25.00	120.59	108.53	12.06	10.002	
2,204.50	2,200.00	2,200.00	2,200.00	6.21	5.89	-163.41	25.00	-25.00	120.97	108.89	12.07	10.020	
2,300.00	2,295.06	2,297.83	2,297.82	6.38	6.07	-164.26	25.95	-24.19	128.71	116.30	12.41	10.372	
2,400.00	2,394.43	2,400.52	2,400.42	6.57	6.24	-164.63	29.00	-21.58	136.30	123.53	12.76	10.678	
2,500.00	2,493.58	2,503.43	2,503.11	6.77	6.42	-164.55	34.16	-17.18	143.31	130.20	13.11	10.929	
2,600.00	2,592.49	2,606.52	2,605.75	6.96	6.60	-164.08	41.44	-10.97	149.75	136.29	13.46	11.129	
2,700.00	2,691.13	2,709.75	2,708.24	7.15	6.77	-163.26	50.84	-2.95	155.64	141.85	13.79	11.289	
2,800.00	2,789.47	2,810.33	2,807.85	7.35	6.87	-162.32	61.43	6.08	161.67	147.60	14.07	11.491	
2,900.00	2,887.48	2,910.01	2,906.56	7.56	7.02	-161.61	71.98	15.09	169.33	154.91	14.42	11.746	
2,904.03	2,891.42	2,914.03	2,910.54	7.56	7.02	-161.59	72.40	15.45	169.67	155.24	14.43	11.758	
3,000.00	2,985.30	3,009.63	3,005.21	7.75	7.17	-161.09	82.52	24.09	177.90	163.15	14.76	12.056	
3,100.00	3,083.11	3,109.25	3,103.87	7.95	7.32	-160.62	93.06	33.08	186.49	171.38	15.11	12.346	
3,200.00	3,180.93	3,208.87	3,202.52	8.15	7.47	-160.19	103.61	42.08	195.09	179.63	15.46	12.621	
3,300.00	3,278.75	3,308.49	3,301.17	8.36	7.63	-159.79	114.15	51.08	203.70	187.88	15.81	12.882	
3,400.00	3,376.56	3,408.11	3,399.82	8.57	7.78	-159.43	124.69	60.07	212.31	196.14	16.17	13.129	
3,500.00	3,474.38	3,507.73	3,498.47	8.78	7.94	-159.10	135.24	69.07	220.94	204.41	16.53	13.364	
3,600.00	3,572.20	3,607.35	3,597.12	8.99	8.10	-158.79	145.78	78.07	229.57	212.67	16.90	13.587	
3,700.00	3,670.01	3,706.97	3,695.77	9.21	8.26	-158.50	156.32	87.07	238.21	220.95	17.26	13.799	
3,800.00	3,767.83	3,806.59	3,794.42	9.44	8.43	-158.23	166.87	96.06	246.85	229.22	17.63	14.000	
3,900.00	3,865.64	3,906.21	3,893.07	9.67	8.59	-157.98	177.41	105.06	255.50	237.50	18.00	14.192	
4,000.00	3,963.46	4,005.83	3,991.72	9.91	8.76	-157.75	187.95	114.06	264.15	245.78	18.38	14.374	
4,063.13	4,025.21	4,068.72	4,054.00	10.05	8.86	-157.61	194.61	119.74	269.62	251.03	18.59	14.501	
4,100.00	4,061.30	4,105.46	4,090.38	10.12	8.93	-157.54	198.50	123.06	272.70	253.99	18.71	14.573	
4,200.00	4,159.42	4,205.18	4,189.13	10.36	9.10	-157.24	209.05	132.06	279.97	260.88	19.09	14.669	
4,300.00	4,257.86	4,304.99	4,287.97	10.59	9.27	-156.82	219.62	141.08	285.64	266.18	19.46	14.681	
4,400.00	4,356.59	4,404.87	4,386.88	10.80	9.44	-156.27	230.19	150.10	289.74	269.91	19.82	14.615	
4,500.00	4,455.59	4,504.77	4,485.81	11.01	9.61	-155.59	240.76	159.12	292.27	272.08	20.19	14.478	
4,600.00	4,554.82	4,604.68	4,584.74	11.20	9.78	-154.77	251.33	168.15	293.26	272.72	20.54	14.274	
4,700.00	4,654.24	4,704.55	4,683.65	11.38	9.96	-153.80	261.90	177.17	292.75	271.85	20.90	14.010	

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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:	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major 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	4,753.84	4,804.36	4,782.49	11.54	10.13	-152.66	272.47	186.18	290.77	269.53	21.24	13.691			
4,900.00	4,853.58	4,900.00	4,877.31	11.69	10.28	-151.53	281.93	194.26	288.00	266.46	21.54	13.368			
5,000.00	4,953.43	4,994.79	4,971.57	11.83	10.46	-150.56	289.55	200.76	285.51	263.65	21.86	13.063			
5,100.00	5,053.36	5,089.90	5,066.36	11.97	10.63	-149.75	295.41	205.76	283.26	261.11	22.15	12.791			
5,200.00	5,153.34	5,185.14	5,161.45	12.09	10.80	-149.13	299.47	209.22	281.22	258.81	22.41	12.551			
5,262.66	5,216.00	5,244.88	5,221.15	12.13	10.90	-90.62	301.09	210.61	280.03	257.51	22.52	12.433			
5,300.00	5,253.34	5,280.50	5,256.76	12.15	10.95	-90.49	301.72	211.15	279.46	256.89	22.58	12.378			
5,400.00	5,353.34	5,377.08	5,353.34	12.23	11.04	-90.39	302.23	211.58	279.01	256.29	22.71	12.283			
5,500.00	5,453.34	5,477.08	5,453.34	12.31	11.12	-90.39	302.23	211.58	279.01	256.13	22.88	12.196			
5,600.00	5,553.34	5,577.08	5,553.34	12.39	11.22	-90.39	302.23	211.58	279.01	255.96	23.05	12.105			
5,700.00	5,653.34	5,677.08	5,653.34	12.47	11.31	-90.39	302.23	211.58	279.01	255.79	23.22	12.016			
5,800.00	5,753.34	5,777.08	5,753.34	12.55	11.41	-90.39	302.23	211.58	279.01	255.62	23.39	11.928			
5,900.00	5,853.34	5,877.08	5,853.34	12.63	11.50	-90.39	302.23	211.58	279.01	255.45	23.56	11.842			
6,000.00	5,953.34	5,977.08	5,953.34	12.71	11.59	-90.39	302.23	211.58	279.01	255.27	23.73	11.757			
6,100.00	6,053.34	6,077.08	6,053.34	12.79	11.69	-90.39	302.23	211.58	279.01	255.10	23.90	11.673			
6,200.00	6,153.34	6,177.08	6,153.34	12.87	11.78	-90.39	302.23	211.58	279.01	254.93	24.07	11.590			
6,300.00	6,253.34	6,277.08	6,253.34	12.95	11.87	-90.39	302.23	211.58	279.01	254.76	24.24	11.509			
6,400.00	6,353.34	6,377.08	6,353.34	13.03	11.96	-90.39	302.23	211.58	279.01	254.59	24.41	11.429			
6,500.00	6,453.34	6,477.08	6,453.34	13.12	12.06	-90.39	302.23	211.58	279.01	254.42	24.58	11.350			
6,600.00	6,553.34	6,577.08	6,553.34	13.20	12.15	-90.39	302.23	211.58	279.01	254.25	24.75	11.272			
6,700.00	6,653.34	6,677.08	6,653.34	13.28	12.24	-90.39	302.23	211.58	279.01	254.08	24.92	11.195			
6,800.00	6,753.34	6,777.08	6,753.34	13.36	12.33	-90.39	302.23	211.58	279.01	253.91	25.09	11.119			
6,900.00	6,853.34	6,877.08	6,853.34	13.44	12.43	-90.39	302.23	211.58	279.01	253.74	25.26	11.044			
7,000.00	6,953.34	6,977.08	6,953.34	13.52	12.52	-90.39	302.23	211.58	279.01	253.57	25.43	10.971			
7,100.00	7,053.34	7,077.08	7,053.34	13.60	12.61	-90.39	302.23	211.58	279.01	253.41	25.60	10.898			
7,200.00	7,153.34	7,177.08	7,153.34	13.68	12.70	-90.39	302.23	211.58	279.01	253.24	25.77	10.826			
7,300.00	7,253.34	7,277.08	7,253.34	13.76	12.79	-90.39	302.23	211.58	279.01	253.07	25.94	10.756			
7,400.00	7,353.34	7,377.08	7,353.34	13.84	12.88	-90.39	302.23	211.58	279.01	252.90	26.11	10.686			
7,500.00	7,453.34	7,477.08	7,453.34	13.93	12.97	-90.39	302.23	211.58	279.01	252.73	26.28	10.617			
7,600.00	7,553.34	7,577.08	7,553.34	14.01	13.07	-90.39	302.23	211.58	279.01	252.56	26.45	10.550			
7,700.00	7,653.34	7,677.08	7,653.34	14.09	13.16	-90.39	302.23	211.58	279.01	252.39	26.62	10.483			
7,800.00	7,753.34	7,777.08	7,753.34	14.17	13.25	-90.39	302.23	211.58	279.01	252.22	26.79	10.416			
7,900.00	7,853.34	7,877.08	7,853.34	14.25	13.34	-90.39	302.23	211.58	279.01	252.05	26.95	10.351			
8,000.00	7,953.34	7,977.08	7,953.34	14.33	13.43	-90.39	302.23	211.58	279.01	251.88	27.12	10.287			
8,100.00	8,053.34	8,077.08	8,053.34	14.41	13.52	-90.39	302.23	211.58	279.01	251.72	27.29	10.223			
8,200.00	8,153.34	8,177.08	8,153.34	14.49	13.61	-90.39	302.23	211.58	279.01	251.55	27.46	10.161			
8,300.00	8,253.34	8,277.08	8,253.34	14.57	13.70	-90.39	302.23	211.58	279.01	251.38	27.63	10.099			
8,400.00	8,353.34	8,377.08	8,353.34	14.65	13.79	-90.39	302.23	211.58	279.01	251.21	27.80	10.037			
8,500.00	8,453.34	8,477.08	8,453.34	14.74	13.88	-90.39	302.23	211.58	279.01	251.04	27.96	9.977			
8,600.00	8,553.34	8,577.08	8,553.34	14.82	13.97	-90.39	302.23	211.58	279.01	250.87	28.13	9.917			
8,700.00	8,653.34	8,677.08	8,653.34	14.90	14.06	-90.39	302.23	211.58	279.01	250.71	28.30	9.858			
8,800.00	8,753.34	8,777.08	8,753.34	14.98	14.15	-90.39	302.23	211.58	279.01	250.54	28.47	9.800			
8,900.00	8,853.34	8,877.08	8,853.34	15.06	14.24	-90.39	302.23	211.58	279.01	250.37	28.64	9.743			
9,000.00	8,953.34	8,977.08	8,953.34	15.14	14.33	-90.39	302.23	211.58	279.01	250.20	28.81	9.686			
9,100.00	9,053.34	9,077.08	9,053.34	15.22	14.42	-90.39	302.23	211.58	279.01	250.03	28.97	9.630			
9,200.00	9,153.34	9,177.08	9,153.34	15.30	14.51	-90.39	302.23	211.58	279.01	249.87	29.14	9.574			
9,300.00	9,253.34	9,277.08	9,253.34	15.38	14.60	-90.39	302.23	211.58	279.01	249.70	29.31	9.520			
9,400.00	9,353.34	9,377.08	9,353.34	15.47	14.69	-90.39	302.23	211.58	279.01	249.53	29.48	9.465			
9,500.00	9,453.34	9,477.08	9,453.34	15.55	14.78	-90.39	302.23	211.58	279.01	249.36	29.64	9.412			
9,600.00	9,553.34	9,577.08	9,553.34	15.63	14.86	-90.39	302.23	211.58	279.01	249.19	29.81	9.359			
9,700.00	9,653.34	9,677.08	9,653.34	15.71	14.95	-90.39	302.23	211.58	279.01	249.03	29.98	9.307			
9,800.00	9,753.34	9,777.08	9,753.34	15.79	15.04	-90.39	302.23	211.58	279.01	248.86	30.15	9.255			

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

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

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)														Rule Assigned:	
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)					
1,200.00	1,199.32	1,489.95	1,486.48	4.29	4.80	12.55	811.29	2,287.43	2,423.99	2,415.06	8.93	271.388			
1,300.00	1,298.94	1,752.68	1,745.56	4.49	5.39	13.09	782.05	2,255.55	2,400.48	2,390.80	9.68	248.091			
1,400.00	1,398.56	2,005.77	1,992.03	4.68	5.96	13.64	748.82	2,208.83	2,370.51	2,360.13	10.38	228.394			
1,500.00	1,498.18	2,103.46	2,086.39	4.88	6.15	13.86	735.02	2,187.65	2,337.30	2,326.56	10.75	217.487			
1,600.00	1,597.80	2,197.43	2,177.16	5.07	6.36	14.08	721.74	2,167.28	2,304.13	2,292.99	11.14	206.925			
1,700.00	1,697.42	2,291.40	2,267.93	5.26	6.61	14.30	708.46	2,146.90	2,270.99	2,259.46	11.53	197.009			
1,800.00	1,797.04	2,385.37	2,358.70	5.45	6.88	14.53	695.18	2,126.52	2,237.87	2,225.96	11.92	187.807			
1,900.00	1,896.66	2,479.34	2,449.46	5.64	7.16	14.76	681.90	2,106.14	2,204.79	2,192.49	12.31	179.144			
2,000.00	1,996.28	2,573.31	2,540.23	5.82	7.45	15.01	668.62	2,085.77	2,171.75	2,159.05	12.70	171.003			
2,100.00	2,095.90	2,667.28	2,631.00	6.01	7.74	15.26	655.34	2,065.39	2,138.74	2,125.65	13.09	163.338			
2,200.00	2,195.52	2,761.24	2,721.76	6.20	8.04	15.52	642.07	2,045.01	2,105.77	2,092.28	13.50	156.025			
2,204.50	2,200.00	2,765.47	2,725.85	6.21	8.05	15.53	641.47	2,044.09	2,104.29	2,090.78	13.51	155.706			
2,300.00	2,295.06	2,854.94	2,812.26	6.38	8.34	15.88	628.83	2,024.69	2,072.12	2,058.23	13.89	149.203			
2,400.00	2,394.43	2,948.01	2,902.16	6.57	8.64	16.28	615.67	2,004.51	2,036.94	2,022.65	14.29	142.554			
2,500.00	2,493.58	3,040.42	2,991.43	6.77	8.94	16.72	602.61	1,984.47	2,000.25	1,985.56	14.69	136.156			
2,600.00	2,592.49	3,132.16	3,080.04	6.96	9.24	17.18	589.65	1,964.58	1,962.07	1,946.98	15.09	129.992			
2,700.00	2,691.13	3,223.19	3,167.97	7.15	9.54	17.69	576.79	1,944.84	1,922.42	1,906.92	15.50	124.044			
2,800.00	2,789.47	3,313.48	3,255.18	7.35	9.84	18.24	564.03	1,925.26	1,881.33	1,865.42	15.90	118.298			
2,900.00	2,887.48	3,403.01	3,341.66	7.56	10.14	18.84	551.38	1,905.84	1,838.82	1,822.50	16.32	112.704			
2,904.03	2,891.42	3,406.60	3,345.13	7.56	10.16	18.87	550.87	1,905.06	1,837.08	1,820.74	16.33	112.482			
3,000.00	2,985.30	3,492.11	3,427.73	7.75	10.44	19.33	538.78	1,886.52	1,795.60	1,778.88	16.72	107.396			
3,100.00	3,083.11	3,581.22	3,513.80	7.95	10.75	19.83	526.19	1,867.20	1,752.50	1,735.37	17.13	102.311			
3,200.00	3,180.93	3,670.32	3,599.86	8.15	11.05	20.36	513.60	1,847.88	1,709.51	1,691.97	17.54	97.448			
3,300.00	3,278.75	3,759.43	3,685.93	8.36	11.35	20.91	501.01	1,828.55	1,666.65	1,648.69	17.96	92.794			
3,400.00	3,376.56	3,848.53	3,772.00	8.57	11.66	21.49	488.42	1,809.23	1,623.93	1,605.55	18.38	88.337			
3,500.00	3,474.38	3,937.64	3,858.07	8.78	11.96	22.10	475.82	1,789.91	1,581.35	1,562.54	18.81	84.068			
3,600.00	3,572.20	4,026.74	3,944.14	8.99	12.27	22.75	463.23	1,770.58	1,538.94	1,519.70	19.24	79.976			
3,700.00	3,670.01	4,115.85	4,030.21	9.21	12.58	23.43	450.64	1,751.26	1,496.70	1,477.02	19.68	76.052			
3,800.00	3,767.83	4,204.95	4,116.28	9.44	12.89	24.15	438.05	1,731.94	1,454.66	1,434.53	20.12	72.288			
3,900.00	3,865.64	4,294.06	4,202.34	9.67	13.20	24.91	425.46	1,712.62	1,412.82	1,392.24	20.57	68.675			
4,000.00	3,963.46	4,383.16	4,288.41	9.91	13.51	25.71	412.87	1,693.29	1,371.20	1,350.17	21.03	65.206			
4,063.13	4,025.21	4,439.42	4,342.75	10.05	13.70	26.24	404.92	1,681.10	1,345.05	1,323.75	21.30	63.141			
4,100.00	4,061.30	4,472.32	4,374.53	10.12	13.82	26.49	400.27	1,673.96	1,329.93	1,308.47	21.46	61.980			
4,200.00	4,159.42	4,562.11	4,461.26	10.36	14.13	27.17	387.58	1,654.49	1,290.06	1,268.14	21.92	58.840			
4,300.00	4,257.86	4,640.38	4,536.92	10.59	14.40	27.74	376.64	1,637.70	1,252.16	1,229.77	22.39	55.921			
4,400.00	4,356.59	4,711.92	4,606.38	10.80	14.63	28.23	367.30	1,623.37	1,217.35	1,194.49	22.86	53.260			
4,500.00	4,455.59	4,785.07	4,677.73	11.01	14.86	28.71	358.49	1,609.85	1,185.78	1,162.47	23.31	50.864			
4,600.00	4,554.82	4,859.71	4,750.83	11.20	15.07	29.18	350.26	1,597.23	1,157.49	1,133.73	23.76	48.722			
4,700.00	4,654.24	4,935.72	4,825.57	11.38	15.28	29.62	342.69	1,585.61	1,132.48	1,108.30	24.19	46.823			
4,800.00	4,753.84	5,012.96	4,901.78	11.54	15.47	30.02	335.83	1,575.08	1,110.78	1,086.19	24.60	45.156			
4,900.00	4,853.58	5,100.00	4,987.94	11.69	15.66	30.43	329.11	1,564.77	1,092.44	1,067.44	25.00	43.700			
5,000.00	4,953.43	5,170.52	5,057.94	11.83	15.80	30.69	324.46	1,557.62	1,077.31	1,051.95	25.35	42.494			
5,100.00	5,053.36	5,250.50	5,137.51	11.97	15.94	30.95	320.03	1,550.83	1,065.52	1,039.83	25.69	41.480			
5,200.00	5,153.34	5,331.06	5,217.81	12.09	16.06	31.14	316.49	1,545.40	1,057.03	1,031.04	25.99	40.670			
5,262.66	5,216.00	5,381.75	5,268.40	12.13	16.13	31.42	314.74	1,542.71	1,053.39	1,027.26	26.13	40.311			
5,300.00	5,253.34	5,412.01	5,298.61	12.15	16.17	31.47	313.86	1,541.37	1,051.73	1,025.53	26.20	40.147			
5,400.00	5,353.34	5,500.00	5,386.54	12.23	16.27	31.57	312.07	1,538.62	1,048.54	1,022.13	26.41	39.700			
5,500.00	5,453.34	5,574.37	5,460.90	12.31	16.32	31.60	311.42	1,537.62	1,047.08	1,020.54	26.54	39.447			
5,547.39	5,500.73	5,616.20	5,502.73	12.35	16.34	31.60	311.38	1,537.56	1,047.01	1,020.40	26.60	39.357			
5,600.00	5,553.34	5,668.81	5,555.34	12.39	16.36	31.60	311.38	1,537.56	1,047.01	1,020.34	26.66	39.269			
5,700.00	5,653.34	5,768.81	5,655.34	12.47	16.40	31.60	311.38	1,537.56	1,047.01	1,020.23	26.78	39.102			
5,800.00	5,753.34	5,868.81	5,755.34	12.55	16.44	31.60	311.38	1,537.56	1,047.01	1,020.11	26.89	38.936			

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

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

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:						Offset Well Error:		0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			Minimum Separation (usft)	
15,100.00	12,148.64	15,492.90	12,469.63	43.20	53.87	-106.93	-2,857.84	1,566.07	1,095.69	1,002.29	93.40	11.731		
15,200.00	12,149.51	15,592.90	12,470.15	44.45	55.16	-106.91	-2,957.84	1,566.97	1,095.62	999.77	95.85	11.430		
15,300.00	12,150.38	15,692.90	12,470.68	45.71	56.46	-106.89	-3,057.83	1,567.87	1,095.56	997.24	98.32	11.143		
15,400.00	12,151.25	15,792.90	12,471.21	46.98	57.76	-106.87	-3,157.83	1,568.76	1,095.49	994.71	100.79	10.869		
15,500.00	12,152.12	15,892.90	12,471.73	48.25	59.06	-106.85	-3,257.82	1,569.66	1,095.43	992.16	103.27	10.607		
15,600.00	12,153.00	15,992.90	12,472.26	49.53	60.36	-106.84	-3,357.81	1,570.56	1,095.37	989.61	105.76	10.357		
15,700.00	12,153.87	16,092.90	12,472.79	50.82	61.67	-106.82	-3,457.81	1,571.46	1,095.30	987.04	108.26	10.117		
15,800.00	12,154.74	16,192.90	12,473.31	52.10	62.98	-106.80	-3,557.80	1,572.36	1,095.24	984.48	110.77	9.888		
15,900.00	12,155.61	16,292.90	12,473.84	53.40	64.30	-106.78	-3,657.80	1,573.26	1,095.18	981.90	113.28	9.668		
16,000.00	12,156.48	16,392.90	12,474.36	54.69	65.61	-106.77	-3,757.79	1,574.16	1,095.12	979.32	115.80	9.457		
16,100.00	12,157.35	16,492.90	12,474.89	55.99	66.93	-106.75	-3,857.78	1,575.06	1,095.05	976.73	118.32	9.255		
16,200.00	12,158.22	16,592.90	12,475.42	57.29	68.25	-106.73	-3,957.78	1,575.96	1,094.99	974.14	120.85	9.060		
16,300.00	12,159.10	16,692.90	12,475.94	58.60	69.57	-106.71	-4,057.77	1,576.86	1,094.93	971.54	123.39	8.874		
16,400.00	12,159.97	16,792.90	12,476.47	59.91	70.89	-106.69	-4,157.77	1,577.76	1,094.87	968.93	125.93	8.694		
16,500.00	12,160.84	16,892.90	12,476.99	61.22	72.21	-106.68	-4,257.76	1,578.66	1,094.80	966.33	128.48	8.521		
16,600.00	12,161.71	16,992.90	12,477.52	62.53	73.54	-106.66	-4,357.75	1,579.56	1,094.74	963.71	131.03	8.355		
16,700.00	12,162.58	17,092.89	12,478.05	63.85	74.87	-106.64	-4,457.75	1,580.46	1,094.68	961.10	133.58	8.195		
16,800.00	12,163.45	17,192.89	12,478.57	65.17	76.20	-106.62	-4,557.74	1,581.36	1,094.62	958.48	136.14	8.040		
16,900.00	12,164.32	17,292.89	12,479.10	66.49	77.53	-106.60	-4,657.74	1,582.26	1,094.56	955.85	138.70	7.891		
17,000.00	12,165.20	17,392.89	12,479.63	67.81	78.86	-106.59	-4,757.73	1,583.16	1,094.49	953.22	141.27	7.748		
17,100.00	12,166.07	17,492.89	12,480.15	69.14	80.19	-106.57	-4,857.72	1,584.06	1,094.43	950.59	143.84	7.609		
17,200.00	12,166.94	17,592.89	12,480.68	70.46	81.53	-106.55	-4,957.72	1,584.95	1,094.37	947.96	146.41	7.475		
17,300.00	12,167.81	17,692.89	12,481.20	71.79	82.86	-106.53	-5,057.71	1,585.85	1,094.31	945.32	148.99	7.345		
17,400.00	12,168.68	17,792.89	12,481.73	73.12	84.20	-106.51	-5,157.70	1,586.75	1,094.25	942.68	151.57	7.220		
17,500.00	12,169.55	17,892.89	12,482.26	74.45	85.54	-106.50	-5,257.70	1,587.65	1,094.19	940.04	154.15	7.098		
17,600.00	12,170.42	17,992.89	12,482.78	75.78	86.87	-106.48	-5,357.69	1,588.55	1,094.13	937.39	156.73	6.981		
17,700.00	12,171.30	18,092.89	12,483.31	77.12	88.21	-106.46	-5,457.69	1,589.45	1,094.06	934.74	159.32	6.867		
17,800.00	12,172.17	18,192.89	12,483.83	78.45	89.55	-106.44	-5,557.68	1,590.35	1,094.00	932.09	161.91	6.757		
17,900.00	12,173.04	18,292.89	12,484.36	79.79	90.89	-106.43	-5,657.67	1,591.25	1,093.94	929.44	164.50	6.650		
18,000.00	12,173.91	18,392.89	12,484.89	81.12	92.24	-106.41	-5,757.67	1,592.15	1,093.88	926.78	167.10	6.546		
18,100.00	12,174.78	18,492.89	12,485.41	82.46	93.58	-106.39	-5,857.66	1,593.05	1,093.82	924.13	169.69	6.446		
18,200.00	12,175.65	18,592.89	12,485.94	83.80	94.92	-106.37	-5,957.66	1,593.95	1,093.76	921.47	172.29	6.348		
18,300.00	12,176.52	18,692.88	12,486.47	85.14	96.27	-106.35	-6,057.65	1,594.85	1,093.70	918.81	174.89	6.254		
18,400.00	12,177.40	18,792.88	12,486.99	86.48	97.61	-106.34	-6,157.64	1,595.75	1,093.64	916.14	177.50	6.161		
18,500.00	12,178.27	18,892.88	12,487.52	87.83	98.96	-106.32	-6,257.64	1,596.65	1,093.58	913.48	180.10	6.072		
18,600.00	12,179.14	18,992.88	12,488.04	89.17	100.30	-106.30	-6,357.63	1,597.55	1,093.52	910.81	182.71	5.985		
18,700.00	12,180.01	19,092.88	12,488.57	90.51	101.65	-106.28	-6,457.63	1,598.45	1,093.46	908.14	185.32	5.900		
18,800.00	12,180.88	19,192.88	12,489.10	91.86	103.00	-106.26	-6,557.62	1,599.35	1,093.40	905.47	187.93	5.818		
18,900.00	12,181.75	19,292.88	12,489.62	93.20	104.34	-106.25	-6,657.61	1,600.24	1,093.34	902.80	190.54	5.738		
19,000.00	12,182.62	19,392.88	12,490.15	94.55	105.69	-106.23	-6,757.61	1,601.14	1,093.28	900.13	193.15	5.660		
19,100.00	12,183.49	19,492.88	12,490.68	95.90	107.04	-106.21	-6,857.60	1,602.04	1,093.22	897.45	195.77	5.584		
19,200.00	12,184.37	19,592.88	12,491.20	97.24	108.39	-106.19	-6,957.60	1,602.94	1,093.16	894.78	198.38	5.510		
19,300.00	12,185.24	19,692.88	12,491.73	98.59	109.74	-106.17	-7,057.59	1,603.84	1,093.10	892.10	201.00	5.438		
19,400.00	12,186.11	19,792.88	12,492.25	99.94	111.09	-106.16	-7,157.58	1,604.74	1,093.04	889.42	203.62	5.368		
19,500.00	12,186.98	19,892.88	12,492.78	101.29	112.44	-106.14	-7,257.58	1,605.64	1,092.98	886.74	206.24	5.299		
19,600.00	12,187.85	19,992.88	12,493.31	102.64	113.79	-106.12	-7,357.57	1,606.54	1,092.93	884.06	208.87	5.233		
19,700.00	12,188.72	20,092.88	12,493.83	103.99	115.14	-106.10	-7,457.57	1,607.44	1,092.87	881.38	211.49	5.167		
19,800.00	12,189.59	20,192.88	12,494.36	105.34	116.50	-106.08	-7,557.56	1,608.34	1,092.81	878.69	214.11	5.104		
19,900.00	12,190.47	20,292.88	12,494.88	106.69	117.85	-106.07	-7,657.55	1,609.24	1,092.75	876.01	216.74	5.042		
20,000.00	12,191.34	20,392.87	12,495.41	108.04	119.20	-106.05	-7,757.55	1,610.14	1,092.69	873.32	219.37	4.981		
20,100.00	12,192.21	20,492.87	12,495.94	109.39	120.56	-106.03	-7,857.54	1,611.04	1,092.63	870.63	222.00	4.922		
20,200.00	12,193.08	20,592.87	12,496.46	110.75	121.91	-106.01	-7,957.54	1,611.94	1,092.57	867.95	224.63	4.864		

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 213H - OH - Plan 1														Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)														Offset Well Error:	0.50 usft
Reference	Vertical	Offset	Vertical	Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:		Minimum Separation (usft)	Separation Factor	Warning		
Measured Depth (usft)	Depth (usft)	Measured Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)					
20,300.00	12,193.95	20,692.87	12,496.99	112.10	123.26	-105.99	-8,057.53	1,612.84	1,092.52	865.26	227.26	4.807			
20,400.00	12,194.82	20,792.87	12,497.52	113.45	124.62	-105.98	-8,157.52	1,613.74	1,092.46	862.57	229.89	4.752			
20,500.00	12,195.69	20,892.87	12,498.04	114.81	125.97	-105.96	-8,257.52	1,614.64	1,092.40	859.87	232.52	4.698			
20,600.00	12,196.57	20,992.87	12,498.57	116.16	127.33	-105.94	-8,357.51	1,615.54	1,092.34	857.18	235.16	4.645			
20,700.00	12,197.44	21,092.87	12,499.09	117.52	128.68	-105.92	-8,457.51	1,616.43	1,092.28	854.49	237.79	4.593			
20,800.00	12,198.31	21,192.87	12,499.62	118.87	130.04	-105.91	-8,557.50	1,617.33	1,092.23	851.80	240.43	4.543			
20,900.00	12,199.18	21,292.87	12,500.15	120.23	131.39	-105.89	-8,657.49	1,618.23	1,092.17	849.10	243.07	4.493			
21,000.00	12,200.05	21,392.87	12,500.67	121.58	132.75	-105.87	-8,757.49	1,619.13	1,092.11	846.40	245.71	4.445			
21,100.00	12,200.92	21,492.87	12,501.20	122.94	134.11	-105.85	-8,857.48	1,620.03	1,092.05	843.71	248.35	4.397			
21,200.00	12,201.79	21,592.87	12,501.73	124.29	135.46	-105.83	-8,957.48	1,620.93	1,092.00	841.01	250.99	4.351			
21,300.00	12,202.67	21,692.87	12,502.25	125.65	136.82	-105.82	-9,057.47	1,621.83	1,091.94	838.31	253.63	4.305			
21,400.00	12,203.54	21,792.87	12,502.78	127.01	138.18	-105.80	-9,157.46	1,622.73	1,091.88	835.61	256.27	4.261			
21,500.00	12,204.41	21,892.87	12,503.30	128.36	139.53	-105.78	-9,257.46	1,623.63	1,091.82	832.91	258.91	4.217			
21,600.00	12,205.28	21,992.86	12,503.83	129.72	140.89	-105.76	-9,357.45	1,624.53	1,091.77	830.21	261.56	4.174			
21,700.00	12,206.15	22,092.86	12,504.36	131.08	142.25	-105.74	-9,457.45	1,625.43	1,091.71	827.51	264.20	4.132			
21,800.00	12,207.02	22,192.86	12,504.88	132.44	143.61	-105.73	-9,557.44	1,626.33	1,091.65	824.81	266.85	4.091			
21,900.00	12,207.89	22,292.86	12,505.41	133.79	144.96	-105.71	-9,657.43	1,627.23	1,091.60	822.10	269.49	4.051			
22,000.00	12,208.77	22,392.86	12,505.93	135.15	146.32	-105.69	-9,757.43	1,628.13	1,091.54	819.40	272.14	4.011			
22,100.00	12,209.64	22,492.86	12,506.46	136.51	147.68	-105.67	-9,857.42	1,629.03	1,091.49	816.70	274.79	3.972			
22,200.00	12,210.51	22,592.86	12,506.99	137.87	149.04	-105.65	-9,957.42	1,629.93	1,091.43	813.99	277.44	3.934			
22,300.00	12,211.38	22,692.86	12,507.51	139.23	150.40	-105.64	-10,057.41	1,630.83	1,091.37	811.28	280.09	3.897			
22,400.00	12,212.25	22,792.86	12,508.04	140.59	151.76	-105.62	-10,157.40	1,631.72	1,091.32	808.58	282.74	3.860			
22,428.60	12,212.50	22,821.46	12,508.19	140.94	152.13	-105.61	-10,186.00	1,631.98	1,091.30	807.88	283.42	3.850	ES, SF		

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 214H - OH - Plan 1

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:				Offset Well Error:		0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)		
0.00	0.00	0.00	0.00	0.50	0.50	72.73	721.00	2,319.00	2,428.50			
100.00	100.00	100.00	100.00	0.98	0.98	72.73	721.00	2,319.00	2,428.50	2,426.54	1.96	1,237.650
200.00	200.00	200.00	200.00	1.56	1.56	72.73	721.00	2,319.00	2,428.50	2,425.38	3.12	777.804
300.00	300.00	300.00	300.00	1.98	1.98	72.73	721.00	2,319.00	2,428.50	2,424.54	3.96	612.898
400.00	400.00	366.40	366.39	2.33	2.26	72.74	720.80	2,319.54	2,429.19	2,424.61	4.58	530.785
1,500.00	1,498.18	1,396.99	1,395.67	4.88	4.82	15.55	703.15	2,368.03	2,427.57	2,417.97	9.60	252.835
1,600.00	1,597.80	1,496.76	1,495.30	5.07	5.02	15.68	701.37	2,372.94	2,423.39	2,413.40	9.99	242.564
1,700.00	1,697.42	1,575.83	1,574.22	5.26	5.19	15.80	699.41	2,377.31	2,419.63	2,409.29	10.34	234.012
1,800.00	1,797.04	1,653.71	1,651.86	5.45	5.37	15.95	696.31	2,382.68	2,416.79	2,406.10	10.69	226.155
1,900.00	1,896.66	1,731.38	1,729.14	5.64	5.55	16.13	692.03	2,389.09	2,414.88	2,403.85	11.03	218.900
2,000.00	1,996.28	1,800.00	1,797.28	5.82	5.71	16.32	687.29	2,395.63	2,413.94	2,402.58	11.36	212.566
2,049.33	2,045.43	1,846.80	1,843.67	5.92	5.80	16.46	683.52	2,400.55	2,413.80	2,402.27	11.53	209.356
2,100.00	2,095.90	1,886.37	1,882.83	6.01	5.87	16.59	680.02	2,405.01	2,413.92	2,402.23	11.69	206.506
2,200.00	2,195.52	1,985.33	1,980.70	6.20	6.05	16.93	670.91	2,416.46	2,414.44	2,402.38	12.07	200.098
2,204.50	2,200.00	1,989.78	1,985.10	6.21	6.06	16.95	670.50	2,416.98	2,414.47	2,402.38	12.08	199.807
2,300.00	2,295.06	2,084.25	2,078.54	6.38	6.25	17.27	661.81	2,427.90	2,414.29	2,401.84	12.44	194.006
2,400.00	2,394.43	2,183.08	2,176.29	6.57	6.44	17.63	652.71	2,439.34	2,412.56	2,399.73	12.83	188.009
2,500.00	2,493.58	2,281.80	2,273.91	6.77	6.64	18.01	643.63	2,450.76	2,409.27	2,396.04	13.22	182.209
2,600.00	2,592.49	2,380.35	2,371.39	6.96	6.84	18.41	634.56	2,462.16	2,404.42	2,390.80	13.62	176.593
2,700.00	2,691.13	2,478.73	2,468.69	7.15	7.03	18.82	625.51	2,473.54	2,398.03	2,384.02	14.01	171.150
2,800.00	2,789.47	2,576.89	2,565.77	7.35	7.23	19.26	616.48	2,484.90	2,390.12	2,375.71	14.41	165.868
2,900.00	2,887.48	2,674.81	2,662.61	7.56	7.42	19.71	607.47	2,496.22	2,380.69	2,365.88	14.82	160.674
2,904.03	2,891.42	2,678.75	2,666.51	7.56	7.43	19.73	607.11	2,496.68	2,380.28	2,365.45	14.83	160.468
3,000.00	2,985.30	2,772.59	2,759.32	7.75	7.62	20.15	598.47	2,507.53	2,370.53	2,355.31	15.22	155.801
3,100.00	3,083.11	2,870.37	2,856.02	7.95	7.82	20.59	589.47	2,518.85	2,360.50	2,344.88	15.62	151.125
3,200.00	3,180.93	2,968.15	2,952.73	8.15	8.01	21.04	580.48	2,530.16	2,350.62	2,334.59	16.03	146.679
3,300.00	3,278.75	3,065.92	3,049.43	8.36	8.21	21.49	571.48	2,541.47	2,340.88	2,324.45	16.43	142.448
3,400.00	3,376.56	3,163.70	3,146.13	8.57	8.40	21.94	562.48	2,552.78	2,331.29	2,314.45	16.84	138.418
3,500.00	3,474.38	3,261.48	3,242.84	8.78	8.60	22.39	553.49	2,564.09	2,321.85	2,304.60	17.25	134.577
3,600.00	3,572.20	3,359.26	3,339.54	8.99	8.80	22.85	544.49	2,575.40	2,312.56	2,294.90	17.66	130.913
3,700.00	3,670.01	3,457.04	3,436.24	9.21	8.99	23.31	535.49	2,586.71	2,303.43	2,285.35	18.08	127.415
3,800.00	3,767.83	3,554.81	3,532.95	9.44	9.19	23.78	526.50	2,598.03	2,294.45	2,275.96	18.49	124.074
3,900.00	3,865.64	3,652.59	3,629.65	9.67	9.39	24.25	517.50	2,609.34	2,285.63	2,266.72	18.91	120.879
4,000.00	3,963.46	3,750.37	3,726.36	9.91	9.59	24.72	508.50	2,620.65	2,276.96	2,257.64	19.33	117.823
4,063.13	4,025.21	3,812.10	3,787.40	10.05	9.71	25.02	502.82	2,627.79	2,271.58	2,252.01	19.57	116.085
4,100.00	4,061.30	3,848.16	3,823.08	10.12	9.79	25.18	499.50	2,631.96	2,268.57	2,248.86	19.70	115.134
4,200.00	4,159.42	3,946.17	3,920.00	10.36	9.99	25.61	490.49	2,643.30	2,261.59	2,241.47	20.12	112.405
4,300.00	4,257.86	4,044.40	4,017.16	10.59	10.19	26.04	481.45	2,654.66	2,256.33	2,235.80	20.53	109.889
4,400.00	4,356.59	4,142.84	4,114.52	10.80	10.39	26.45	472.39	2,666.05	2,252.77	2,231.83	20.94	107.575
4,500.00	4,455.59	4,241.45	4,212.05	11.01	10.59	26.86	463.32	2,677.46	2,250.91	2,229.56	21.35	105.453
4,561.69	4,516.78	4,302.36	4,272.28	11.13	10.71	27.10	457.71	2,684.51	2,250.59	2,229.00	21.59	104.239
4,600.00	4,554.82	4,340.21	4,309.72	11.20	10.79	27.25	454.23	2,688.88	2,250.71	2,228.97	21.74	103.514
4,700.00	4,654.24	4,439.08	4,407.50	11.38	10.99	27.64	445.13	2,700.32	2,252.17	2,230.04	22.13	101.750
4,800.00	4,753.84	4,538.03	4,505.36	11.54	11.20	28.01	436.03	2,711.77	2,255.27	2,232.75	22.52	100.152
4,900.00	4,853.58	4,637.03	4,603.28	11.69	11.40	28.36	426.92	2,723.22	2,260.00	2,237.10	22.89	98.714
5,000.00	4,953.43	4,736.05	4,701.21	11.83	11.61	28.71	417.81	2,734.68	2,266.32	2,243.06	23.26	97.429
5,100.00	5,053.36	4,835.07	4,799.14	11.97	11.81	29.03	408.69	2,746.13	2,274.24	2,250.63	23.62	96.297
5,200.00	5,153.34	4,934.05	4,897.03	12.09	12.02	29.35	399.59	2,757.58	2,283.74	2,259.78	23.96	95.317
5,262.66	5,216.00	4,996.04	4,958.34	12.13	12.14	87.74	393.88	2,764.75	2,290.48	2,266.35	24.13	94.904
5,300.00	5,253.34	5,032.97	4,994.86	12.15	12.22	87.83	390.49	2,769.03	2,294.69	2,270.46	24.22	94.727
5,400.00	5,353.34	5,131.87	5,092.68	12.23	12.43	88.07	381.39	2,780.47	2,305.97	2,281.46	24.51	94.099
5,500.00	5,453.34	5,230.77	5,190.49	12.31	12.63	88.30	372.29	2,791.91	2,317.29	2,292.50	24.79	93.486

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 214H - 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)						
20,000.00	12,191.34	20,273.43	12,446.31	108.04	117.02	-96.14	-7,745.71	2,929.85	2,383.55	2,160.31		223.24	10.677	
20,100.00	12,192.21	20,373.43	12,446.83	109.39	118.38	-96.13	-7,845.70	2,930.76	2,383.56	2,157.62		225.94	10.550	
20,200.00	12,193.08	20,473.43	12,447.36	110.75	119.73	-96.12	-7,945.70	2,931.67	2,383.57	2,154.93		228.64	10.425	
20,300.00	12,193.95	20,573.43	12,447.88	112.10	121.09	-96.12	-8,045.69	2,932.58	2,383.58	2,152.24		231.34	10.303	
20,400.00	12,194.82	20,673.43	12,448.41	113.45	122.44	-96.11	-8,145.69	2,933.49	2,383.59	2,149.55		234.04	10.185	
20,500.00	12,195.69	20,773.43	12,448.93	114.81	123.80	-96.10	-8,245.68	2,934.40	2,383.60	2,146.86		236.74	10.068	
20,600.00	12,196.57	20,873.43	12,449.45	116.16	125.16	-96.09	-8,345.67	2,935.30	2,383.61	2,144.16		239.45	9.955	
20,700.00	12,197.44	20,973.43	12,449.98	117.52	126.51	-96.08	-8,445.67	2,936.21	2,383.62	2,141.47		242.15	9.844	
20,800.00	12,198.31	21,073.43	12,450.50	118.87	127.87	-96.07	-8,545.66	2,937.12	2,383.63	2,138.78		244.86	9.735	
20,900.00	12,199.18	21,173.42	12,451.03	120.23	129.23	-96.07	-8,645.65	2,938.03	2,383.64	2,136.08		247.56	9.629	
21,000.00	12,200.05	21,273.42	12,451.55	121.58	130.58	-96.06	-8,745.65	2,938.94	2,383.65	2,133.39		250.27	9.524	
21,100.00	12,200.92	21,373.42	12,452.08	122.94	131.94	-96.05	-8,845.64	2,939.85	2,383.67	2,130.69		252.97	9.423	
21,200.00	12,201.79	21,473.42	12,452.60	124.29	133.30	-96.04	-8,945.64	2,940.76	2,383.68	2,128.00		255.68	9.323	
21,300.00	12,202.67	21,573.42	12,453.13	125.65	134.66	-96.03	-9,045.63	2,941.66	2,383.69	2,125.30		258.39	9.225	
21,400.00	12,203.54	21,673.42	12,453.65	127.01	136.02	-96.02	-9,145.62	2,942.57	2,383.70	2,122.60		261.10	9.130	
21,500.00	12,204.41	21,773.42	12,454.18	128.36	137.38	-96.01	-9,245.62	2,943.48	2,383.71	2,119.90		263.80	9.036	
21,600.00	12,205.28	21,873.42	12,454.70	129.72	138.73	-96.01	-9,345.61	2,944.39	2,383.72	2,117.21		266.51	8.944	
21,700.00	12,206.15	21,973.42	12,455.23	131.08	140.09	-96.00	-9,445.61	2,945.30	2,383.73	2,114.51		269.22	8.854	
21,800.00	12,207.02	22,073.42	12,455.75	132.44	141.45	-95.99	-9,545.60	2,946.21	2,383.74	2,111.81		271.93	8.766	
21,900.00	12,207.89	22,173.42	12,456.28	133.79	142.81	-95.98	-9,645.59	2,947.12	2,383.75	2,109.11		274.64	8.679	
22,000.00	12,208.77	22,273.42	12,456.80	135.15	144.17	-95.97	-9,745.59	2,948.03	2,383.77	2,106.41		277.36	8.595	
22,100.00	12,209.64	22,373.42	12,457.33	136.51	145.53	-95.96	-9,845.58	2,948.93	2,383.78	2,103.71		280.07	8.511	
22,200.00	12,210.51	22,473.42	12,457.85	137.87	146.89	-95.96	-9,945.58	2,949.84	2,383.79	2,101.01		282.78	8.430	
22,300.00	12,211.38	22,573.42	12,458.38	139.23	148.25	-95.95	-10,045.57	2,950.75	2,383.80	2,098.31		285.49	8.350	
22,400.00	12,212.25	22,673.42	12,458.90	140.59	149.61	-95.94	-10,145.56	2,951.66	2,383.81	2,095.61		288.20	8.271	
22,428.60	12,212.50	22,702.02	12,459.05	140.94	150.00	-95.94	-10,174.16	2,951.92	2,383.81	2,094.88		288.94	8.250	ES, SF

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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:	
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	-169.51	-135.00	-25.00	137.30	137.30					
100.00	100.00	100.00	100.00	0.98	0.98	-169.51	-135.00	-25.00	137.30	135.33	1.96	69.971			
200.00	200.00	200.00	200.00	1.56	1.56	-169.51	-135.00	-25.00	137.30	134.17	3.12	43.973			
300.00	300.00	300.00	300.00	1.98	1.98	-169.51	-135.00	-25.00	137.30	133.33	3.96	34.650			
400.00	400.00	402.28	402.27	2.33	2.42	-169.06	-133.96	-25.89	136.46	131.76	4.70	29.043			
500.00	500.00	504.41	504.32	2.63	2.80	-167.69	-130.85	-28.57	134.00	128.67	5.34	25.113			
600.00	600.00	606.26	605.93	2.91	3.13	-165.29	-125.70	-33.00	130.09	124.20	5.89	22.075			
700.00	700.00	706.40	705.70	3.16	3.28	-162.04	-119.15	-38.63	125.38	119.10	6.28	19.960			
800.00	800.00	806.02	804.94	3.40	3.53	-158.52	-112.57	-44.29	121.07	114.31	6.76	17.912			
900.00	899.99	905.61	904.15	3.68	3.77	-147.40	-105.99	-49.95	118.34	111.09	7.25	16.332			
943.43	943.40	948.84	947.21	3.79	3.87	-149.43	-103.13	-52.40	118.05	110.60	7.45	15.851	CC, ES		
1,000.00	999.91	1,005.10	1,003.26	3.93	4.00	-152.25	-99.41	-55.60	118.56	110.84	7.71	15.370			
1,100.00	1,099.69	1,104.41	1,102.20	4.18	4.23	-157.50	-92.85	-61.24	122.04	113.87	8.17	14.934			
1,133.33	1,132.91	1,137.47	1,135.13	4.21	4.31	-159.27	-90.66	-63.12	123.97	115.70	8.27	14.990			
1,200.00	1,199.32	1,203.56	1,200.96	4.29	4.46	-162.70	-86.30	-66.88	128.45	119.95	8.50	15.112			
1,300.00	1,298.94	1,302.88	1,299.78	4.49	4.71	-167.96	-78.74	-73.38	135.89	126.99	8.90	15.266			
1,400.00	1,398.56	1,401.55	1,397.66	4.68	4.97	-173.63	-69.30	-81.49	144.44	135.13	9.31	15.521			
1,500.00	1,498.18	1,499.82	1,494.87	4.88	5.11	-179.34	-58.41	-90.86	154.54	144.90	9.63	16.039			
1,600.00	1,597.80	1,598.14	1,592.12	5.07	5.32	-175.61	-47.38	-100.34	166.03	155.99	10.05	16.528			
1,700.00	1,697.42	1,696.47	1,689.36	5.26	5.53	-171.24	-36.36	-109.82	178.65	168.20	10.45	17.091			
1,800.00	1,797.04	1,794.79	1,786.61	5.45	5.74	-167.46	-25.34	-119.30	192.17	181.31	10.86	17.701			
1,900.00	1,896.66	1,893.12	1,883.85	5.64	5.95	-164.17	-14.32	-128.78	206.41	195.16	11.26	18.337			
2,000.00	1,996.28	1,991.44	1,981.09	5.82	6.16	-161.32	-3.29	-138.25	221.24	209.59	11.65	18.986			
2,100.00	2,095.90	2,089.77	2,078.34	6.01	6.37	-158.82	7.73	-147.73	236.55	224.50	12.05	19.638			
2,200.00	2,195.52	2,188.09	2,175.58	6.20	6.58	-156.63	18.75	-157.21	252.24	239.79	12.44	20.271			
2,204.50	2,200.00	2,192.52	2,179.96	6.21	6.59	-156.54	19.25	-157.64	252.95	240.49	12.46	20.299			
2,300.00	2,295.06	2,286.33	2,272.74	6.38	6.78	-154.70	29.76	-166.68	268.96	256.13	12.83	20.971			
2,400.00	2,394.43	2,384.34	2,369.68	6.57	6.99	-153.14	40.75	-176.13	287.46	274.24	13.21	21.754			
2,500.00	2,493.58	2,482.11	2,466.37	6.77	7.19	-151.89	51.71	-185.56	307.63	294.03	13.60	22.614			
2,600.00	2,592.49	2,579.60	2,562.79	6.96	7.40	-150.93	62.64	-194.95	329.40	315.41	13.99	23.539			
2,700.00	2,691.13	2,676.78	2,658.90	7.15	7.60	-150.20	73.53	-204.32	352.71	338.32	14.39	24.518			
2,800.00	2,789.47	2,773.62	2,754.68	7.35	7.80	-149.67	84.39	-213.66	377.51	362.73	14.78	25.544			
2,900.00	2,887.48	2,870.10	2,850.09	7.56	8.00	-149.32	95.20	-222.96	403.78	388.60	15.18	26.599			
2,904.03	2,891.42	2,873.98	2,853.93	7.56	8.01	-149.31	95.64	-223.33	404.87	389.68	15.20	26.642			
3,000.00	2,985.30	2,966.36	2,945.30	7.75	8.20	-149.19	106.00	-232.24	430.84	415.27	15.57	27.667			
3,100.00	3,083.11	3,062.63	3,040.51	7.95	8.40	-149.08	116.79	-241.52	457.90	441.93	15.97	28.674			
3,200.00	3,180.93	3,158.90	3,135.72	8.15	8.60	-148.98	127.58	-250.80	484.96	468.59	16.37	29.629			
3,300.00	3,278.75	3,255.16	3,230.93	8.36	8.79	-148.90	138.37	-260.08	512.02	495.25	16.77	30.537			
3,400.00	3,376.56	3,351.43	3,326.13	8.57	8.99	-148.82	149.16	-269.36	539.08	521.91	17.17	31.401			
3,500.00	3,474.38	3,447.70	3,421.34	8.78	9.19	-148.75	159.95	-278.64	566.15	548.58	17.57	32.222			
3,600.00	3,572.20	3,543.96	3,516.55	8.99	9.39	-148.68	170.74	-287.92	593.21	575.24	17.97	33.006			
3,700.00	3,670.01	3,640.23	3,611.76	9.21	9.59	-148.63	181.54	-297.20	620.27	601.90	18.38	33.753			
3,800.00	3,767.83	3,736.49	3,706.97	9.44	9.78	-148.57	192.33	-306.48	647.34	628.56	18.78	34.466			
3,900.00	3,865.64	3,832.76	3,802.18	9.67	9.98	-148.52	203.12	-315.76	674.40	655.22	19.19	35.147			
4,000.00	3,963.46	3,929.03	3,897.38	9.91	10.18	-148.48	213.91	-325.04	701.47	681.87	19.59	35.799			
4,063.13	4,025.21	3,989.80	3,957.49	10.05	10.30	-148.45	220.72	-330.90	718.56	698.72	19.83	36.231			
4,100.00	4,061.30	4,025.32	3,992.62	10.12	10.38	-148.48	224.70	-334.32	728.44	708.47	19.96	36.486			
4,200.00	4,159.42	4,121.92	4,088.16	10.36	10.58	-148.52	235.53	-343.63	754.26	733.89	20.37	37.029			
4,300.00	4,257.86	4,218.87	4,184.05	10.59	10.77	-148.49	246.40	-352.98	778.64	757.87	20.77	37.487			
4,400.00	4,356.59	4,316.16	4,280.26	10.80	10.97	-148.39	257.31	-362.36	801.59	780.42	21.17	37.869			
4,500.00	4,455.59	4,416.62	4,379.62	11.01	11.18	-148.23	268.53	-372.01	823.07	801.50	21.57	38.165			
4,600.00	4,554.82	4,530.96	4,493.03	11.20	11.42	-148.07	279.60	-381.53	841.85	819.85	22.01	38.250			

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)				
4,700.00	4,654.24	4,646.49	4,608.00	11.38	11.65	-148.01	288.16	-388.89	857.26	834.84	22.42	38.232		
4,800.00	4,753.84	4,762.94	4,724.18	11.54	11.88	-148.05	294.12	-394.02	869.24	846.44	22.80	38.119		
4,900.00	4,853.58	4,880.03	4,841.18	11.69	12.08	-148.17	297.41	-396.84	877.76	854.61	23.15	37.922		
5,000.00	4,953.43	4,992.28	4,953.43	11.83	12.19	-148.36	298.09	-397.43	882.90	859.51	23.39	37.748		
5,100.00	5,053.36	5,092.21	5,053.36	11.97	12.26	-148.51	298.09	-397.43	886.06	862.45	23.61	37.524		
5,200.00	5,153.34	5,192.19	5,153.34	12.09	12.35	-148.58	298.09	-397.43	887.74	863.91	23.83	37.256		
5,262.66	5,216.00	5,254.85	5,216.00	12.13	12.40	-90.39	298.09	-397.43	888.03	864.11	23.92	37.119		
5,300.00	5,253.34	5,292.19	5,253.34	12.15	12.43	-90.39	298.09	-397.43	888.03	864.06	23.97	37.052		
5,400.00	5,353.34	5,392.19	5,353.34	12.23	12.51	-90.39	298.09	-397.43	888.03	863.91	24.12	36.810		
5,500.00	5,453.34	5,492.19	5,453.34	12.31	12.59	-90.39	298.09	-397.43	888.03	863.75	24.28	36.571		
5,600.00	5,553.34	5,592.19	5,553.34	12.39	12.67	-90.39	298.09	-397.43	888.03	863.59	24.44	36.335		
5,700.00	5,653.34	5,692.19	5,653.34	12.47	12.76	-90.39	298.09	-397.43	888.03	863.43	24.60	36.102		
5,800.00	5,753.34	5,792.19	5,753.34	12.55	12.84	-90.39	298.09	-397.43	888.03	863.27	24.76	35.871		
5,900.00	5,853.34	5,892.19	5,853.34	12.63	12.92	-90.39	298.09	-397.43	888.03	863.12	24.91	35.644		
6,000.00	5,953.34	5,992.19	5,953.34	12.71	13.00	-90.39	298.09	-397.43	888.03	862.96	25.07	35.419		
6,100.00	6,053.34	6,092.19	6,053.34	12.79	13.08	-90.39	298.09	-397.43	888.03	862.80	25.23	35.197		
6,200.00	6,153.34	6,192.19	6,153.34	12.87	13.16	-90.39	298.09	-397.43	888.03	862.64	25.39	34.978		
6,300.00	6,253.34	6,292.19	6,253.34	12.95	13.25	-90.39	298.09	-397.43	888.03	862.48	25.55	34.761		
6,400.00	6,353.34	6,392.19	6,353.34	13.03	13.33	-90.39	298.09	-397.43	888.03	862.33	25.71	34.547		
6,500.00	6,453.34	6,492.19	6,453.34	13.12	13.41	-90.39	298.09	-397.43	888.03	862.17	25.86	34.335		
6,600.00	6,553.34	6,592.19	6,553.34	13.20	13.49	-90.39	298.09	-397.43	888.03	862.01	26.02	34.126		
6,700.00	6,653.34	6,692.19	6,653.34	13.28	13.57	-90.39	298.09	-397.43	888.03	861.85	26.18	33.919		
6,800.00	6,753.34	6,792.19	6,753.34	13.36	13.66	-90.39	298.09	-397.43	888.03	861.69	26.34	33.715		
6,900.00	6,853.34	6,892.19	6,853.34	13.44	13.74	-90.39	298.09	-397.43	888.03	861.53	26.50	33.513		
7,000.00	6,953.34	6,992.19	6,953.34	13.52	13.82	-90.39	298.09	-397.43	888.03	861.37	26.66	33.314		
7,100.00	7,053.34	7,092.19	7,053.34	13.60	13.90	-90.39	298.09	-397.43	888.03	861.22	26.82	33.116		
7,200.00	7,153.34	7,192.19	7,153.34	13.68	13.98	-90.39	298.09	-397.43	888.03	861.06	26.97	32.922		
7,300.00	7,253.34	7,292.19	7,253.34	13.76	14.07	-90.39	298.09	-397.43	888.03	860.90	27.13	32.729		
7,400.00	7,353.34	7,392.19	7,353.34	13.84	14.15	-90.39	298.09	-397.43	888.03	860.74	27.29	32.538		
7,500.00	7,453.34	7,492.19	7,453.34	13.93	14.23	-90.39	298.09	-397.43	888.03	860.58	27.45	32.350		
7,600.00	7,553.34	7,592.19	7,553.34	14.01	14.31	-90.39	298.09	-397.43	888.03	860.42	27.61	32.164		
7,700.00	7,653.34	7,692.19	7,653.34	14.09	14.39	-90.39	298.09	-397.43	888.03	860.26	27.77	31.979		
7,800.00	7,753.34	7,792.19	7,753.34	14.17	14.48	-90.39	298.09	-397.43	888.03	860.10	27.93	31.797		
7,900.00	7,853.34	7,892.19	7,853.34	14.25	14.56	-90.39	298.09	-397.43	888.03	859.94	28.09	31.617		
8,000.00	7,953.34	7,992.19	7,953.34	14.33	14.64	-90.39	298.09	-397.43	888.03	859.78	28.25	31.439		
8,100.00	8,053.34	8,092.19	8,053.34	14.41	14.72	-90.39	298.09	-397.43	888.03	859.62	28.41	31.263		
8,200.00	8,153.34	8,192.19	8,153.34	14.49	14.80	-90.39	298.09	-397.43	888.03	859.47	28.56	31.088		
8,300.00	8,253.34	8,292.19	8,253.34	14.57	14.89	-90.39	298.09	-397.43	888.03	859.31	28.72	30.916		
8,400.00	8,353.34	8,392.19	8,353.34	14.65	14.97	-90.39	298.09	-397.43	888.03	859.15	28.88	30.745		
8,500.00	8,453.34	8,492.19	8,453.34	14.74	15.05	-90.39	298.09	-397.43	888.03	858.99	29.04	30.576		
8,600.00	8,553.34	8,592.19	8,553.34	14.82	15.13	-90.39	298.09	-397.43	888.03	858.83	29.20	30.409		
8,700.00	8,653.34	8,692.19	8,653.34	14.90	15.22	-90.39	298.09	-397.43	888.03	858.67	29.36	30.244		
8,800.00	8,753.34	8,792.19	8,753.34	14.98	15.30	-90.39	298.09	-397.43	888.03	858.51	29.52	30.081		
8,900.00	8,853.34	8,892.19	8,853.34	15.06	15.38	-90.39	298.09	-397.43	888.03	858.35	29.68	29.919		
9,000.00	8,953.34	8,992.19	8,953.34	15.14	15.46	-90.39	298.09	-397.43	888.03	858.19	29.84	29.759		
9,100.00	9,053.34	9,092.19	9,053.34	15.22	15.54	-90.39	298.09	-397.43	888.03	858.03	30.00	29.601		
9,200.00	9,153.34	9,192.19	9,153.34	15.30	15.63	-90.39	298.09	-397.43	888.03	857.87	30.16	29.444		
9,300.00	9,253.34	9,292.19	9,253.34	15.38	15.71	-90.39	298.09	-397.43	888.03	857.71	30.32	29.289		
9,400.00	9,353.34	9,392.19	9,353.34	15.47	15.79	-90.39	298.09	-397.43	888.03	857.55	30.48	29.135		
9,500.00	9,453.34	9,492.19	9,453.34	15.55	15.87	-90.39	298.09	-397.43	888.03	857.39	30.64	28.983		
9,600.00	9,553.34	9,592.19	9,553.34	15.63	15.95	-90.39	298.09	-397.43	888.03	857.23	30.80	28.833		
9,700.00	9,653.34	9,692.19	9,653.34	15.71	16.04	-90.39	298.09	-397.43	888.03	857.07	30.96	28.684		

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 215H - OH - Plan 1

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)		Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:		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)			
9,800.00	9,753.34	9,792.19	9,753.34	15.79	16.12	-90.39	298.09	-397.43	888.03	856.91	31.12	28.537			
9,900.00	9,853.34	9,892.19	9,853.34	15.87	16.20	-90.39	298.09	-397.43	888.03	856.75	31.28	28.391			
10,000.00	9,953.34	9,992.19	9,953.34	15.95	16.28	-90.39	298.09	-397.43	888.03	856.59	31.44	28.246			
10,100.00	10,053.34	10,092.19	10,053.34	16.03	16.36	-90.39	298.09	-397.43	888.03	856.43	31.60	28.103			
10,200.00	10,153.34	10,192.19	10,153.34	16.11	16.45	-90.39	298.09	-397.43	888.03	856.27	31.76	27.962			
10,300.00	10,253.34	10,292.19	10,253.34	16.20	16.53	-90.39	298.09	-397.43	888.03	856.11	31.92	27.822			
10,400.00	10,353.34	10,392.19	10,353.34	16.28	16.61	-90.39	298.09	-397.43	888.03	855.95	32.08	27.683			
10,500.00	10,453.34	10,492.19	10,453.34	16.36	16.69	-90.39	298.09	-397.43	888.03	855.79	32.24	27.545			
10,600.00	10,553.34	10,592.19	10,553.34	16.44	16.78	-90.39	298.09	-397.43	888.03	855.63	32.40	27.409			
10,700.00	10,653.34	10,692.19	10,653.34	16.52	16.86	-90.39	298.09	-397.43	888.03	855.47	32.56	27.274			
10,800.00	10,753.34	10,792.19	10,753.34	16.60	16.94	-90.39	298.09	-397.43	888.03	855.31	32.72	27.141			
10,900.00	10,853.34	10,892.19	10,853.34	16.68	17.02	-90.39	298.09	-397.43	888.03	855.15	32.88	27.008			
11,000.00	10,953.34	10,992.19	10,953.34	16.76	17.10	-90.39	298.09	-397.43	888.03	854.99	33.04	26.877			
11,100.00	11,053.34	11,092.19	11,053.34	16.85	17.19	-90.39	298.09	-397.43	888.03	854.83	33.20	26.748			
11,200.00	11,153.34	11,192.19	11,153.34	16.93	17.27	-90.39	298.09	-397.43	888.03	854.67	33.36	26.619			
11,300.00	11,253.34	11,292.19	11,253.34	17.01	17.35	-90.39	298.09	-397.43	888.03	854.51	33.52	26.492			
11,400.00	11,353.34	11,392.19	11,353.34	17.09	17.43	-90.39	298.09	-397.43	888.03	854.35	33.68	26.366			
11,500.00	11,453.34	11,492.19	11,453.34	17.17	17.51	-90.39	298.09	-397.43	888.03	854.19	33.84	26.241			
11,599.66	11,553.00	11,591.85	11,553.00	17.25	17.60	-90.39	298.09	-397.43	888.03	854.03	34.00	26.117			
11,600.00	11,553.34	11,592.19	11,553.34	17.25	17.60	90.10	298.09	-397.43	888.03	854.03	34.00	26.117			
11,650.00	11,603.27	11,642.13	11,603.27	17.31	17.64	90.25	298.09	-397.43	888.04	853.99	34.04	26.085			
11,700.00	11,652.83	11,691.68	11,652.83	17.34	17.68	90.66	298.09	-397.43	888.09	854.04	34.05	26.079			
11,750.00	11,701.62	11,740.47	11,701.62	17.37	17.72	91.32	298.09	-397.43	888.28	854.23	34.05	26.087			
11,800.00	11,749.28	11,788.13	11,749.28	17.40	17.76	92.20	298.09	-397.43	888.77	854.73	34.04	26.113			
11,850.00	11,795.45	11,834.30	11,795.45	17.43	17.80	93.24	298.09	-397.43	889.76	855.75	34.01	26.162			
11,900.00	11,839.77	11,878.63	11,839.77	17.46	17.83	94.38	298.09	-397.43	891.50	857.52	33.97	26.240			
11,950.00	11,881.91	11,920.77	11,881.91	17.49	17.86	95.55	298.09	-397.43	894.26	860.34	33.93	26.357			
12,000.00	11,921.55	11,960.40	11,921.55	17.53	17.89	96.68	298.09	-397.43	898.36	864.49	33.88	26.518			
12,050.00	11,958.38	12,006.20	11,958.38	17.57	17.90	98.05	297.29	-397.42	903.98	870.18	33.81	26.740			
12,100.00	11,992.13	12,061.41	12,022.24	17.61	17.92	99.69	291.71	-397.38	910.80	877.09	33.72	27.014			
12,150.00	12,022.53	12,122.54	12,082.09	17.66	17.94	101.41	279.41	-397.27	918.65	884.99	33.65	27.296			
12,200.00	12,049.37	12,191.32	12,147.42	17.72	17.96	103.24	258.05	-397.09	927.30	893.63	33.67	27.542			
12,250.00	12,072.42	12,269.96	12,218.36	17.79	17.97	105.22	224.25	-396.79	936.44	902.62	33.82	27.690			
12,300.00	12,091.52	12,340.65	12,277.46	17.87	17.99	106.66	185.56	-396.46	945.58	911.55	34.03	27.783			
12,350.00	12,106.52	12,467.79	12,370.69	17.97	18.03	109.48	99.57	-395.72	954.15	919.34	34.81	27.410			
12,400.00	12,117.31	12,591.71	12,440.93	18.08	18.08	111.46	-2.22	-394.84	961.24	925.55	35.69	26.931			
12,450.00	12,123.81	12,731.77	12,491.94	18.20	18.19	112.89	-132.28	-393.72	965.95	929.29	36.66	26.349			
12,494.67	12,125.94	12,865.58	12,509.87	18.33	18.36	113.38	-264.58	-392.59	967.49	930.16	37.33	25.915			
12,500.00	12,125.98	12,874.44	12,509.97	18.35	18.38	113.38	-273.44	-392.51	967.50	930.13	37.37	25.892			
12,600.00	12,126.85	12,974.44	12,510.84	18.69	18.57	113.38	-373.43	-391.65	967.50	929.63	37.87	25.550			
12,700.00	12,127.73	13,074.44	12,511.71	19.10	18.81	113.38	-473.42	-390.79	967.50	928.98	38.52	25.114			
12,800.00	12,128.60	13,174.44	12,512.59	19.59	19.12	113.38	-573.42	-389.93	967.50	928.17	39.33	24.597			
12,900.00	12,129.47	13,274.44	12,513.46	20.15	19.50	113.38	-673.41	-389.07	967.50	927.21	40.29	24.015			
13,000.00	12,130.34	13,374.44	12,514.33	20.79	19.98	113.38	-773.40	-388.20	967.50	926.13	41.38	23.383			
13,100.00	12,131.21	13,474.44	12,515.21	21.50	20.55	113.39	-873.39	-387.34	967.50	924.92	42.59	22.718			
13,200.00	12,132.08	13,574.44	12,516.08	22.27	21.19	113.39	-973.39	-386.48	967.50	923.59	43.91	22.033			
13,300.00	12,132.95	13,674.44	12,516.95	23.10	21.92	113.39	-1,073.38	-385.62	967.50	922.16	45.34	21.338			
13,400.00	12,133.83	13,774.44	12,517.83	23.99	22.72	113.39	-1,173.37	-384.76	967.50	920.64	46.86	20.645			
13,500.00	12,134.70	13,874.44	12,518.70	24.92	23.58	113.39	-1,273.36	-383.90	967.51	919.03	48.47	19.960			
13,600.00	12,135.57	13,974.44	12,519.57	25.89	24.49	113.39	-1,373.35	-383.04	967.51	917.35	50.16	19.289			
13,700.00	12,136.44	14,074.44	12,520.45	26.89	25.45	113.39	-1,473.35	-382.18	967.51	915.59	51.92	18.636			
13,800.00	12,137.31	14,174.44	12,521.32	27.93	26.44	113.39	-1,573.34	-381.32	967.51	913.77	53.73	18.006			

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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		
19,100.00	12,183.49	19,474.44	12,567.60	95.90	94.17	113.39	-6,872.94	-335.69	967.55	789.90	177.65	5.446		
19,200.00	12,184.37	19,574.44	12,568.47	97.24	95.52	113.39	-6,972.93	-334.83	967.55	787.41	180.14	5.371		
19,300.00	12,185.24	19,674.44	12,569.35	98.59	96.87	113.39	-7,072.93	-333.97	967.55	784.93	182.62	5.298		
19,400.00	12,186.11	19,774.44	12,570.22	99.94	98.21	113.39	-7,172.92	-333.11	967.55	782.44	185.11	5.227		
19,500.00	12,186.98	19,874.44	12,571.09	101.29	99.56	113.39	-7,272.91	-332.24	967.55	779.95	187.60	5.157		
19,600.00	12,187.85	19,974.44	12,571.97	102.64	100.91	113.39	-7,372.90	-331.38	967.55	777.46	190.10	5.090		
19,700.00	12,188.72	20,074.44	12,572.84	103.99	102.26	113.39	-7,472.90	-330.52	967.55	774.97	192.59	5.024		
19,800.00	12,189.59	20,174.44	12,573.71	105.34	103.62	113.39	-7,572.89	-329.66	967.56	772.47	195.08	4.960		
19,900.00	12,190.47	20,274.44	12,574.59	106.69	104.97	113.39	-7,672.88	-328.80	967.56	769.98	197.58	4.897		
20,000.00	12,191.34	20,374.44	12,575.46	108.04	106.32	113.39	-7,772.87	-327.94	967.56	767.48	200.08	4.836		
20,100.00	12,192.21	20,474.44	12,576.33	109.39	107.67	113.39	-7,872.87	-327.08	967.56	764.98	202.58	4.776		
20,200.00	12,193.08	20,574.44	12,577.21	110.75	109.02	113.39	-7,972.86	-326.22	967.56	762.48	205.07	4.718		
20,300.00	12,193.95	20,674.44	12,578.08	112.10	110.38	113.39	-8,072.85	-325.36	967.56	759.99	207.57	4.661		
20,400.00	12,194.82	20,774.44	12,578.95	113.45	111.73	113.39	-8,172.84	-324.50	967.56	757.49	210.08	4.606		
20,500.00	12,195.69	20,874.44	12,579.83	114.81	113.09	113.39	-8,272.84	-323.64	967.56	754.98	212.58	4.552		
20,600.00	12,196.57	20,974.44	12,580.70	116.16	114.44	113.39	-8,372.83	-322.77	967.56	752.48	215.08	4.499		
20,700.00	12,197.44	21,074.44	12,581.57	117.52	115.79	113.39	-8,472.82	-321.91	967.56	749.98	217.58	4.447		
20,800.00	12,198.31	21,174.44	12,582.45	118.87	117.15	113.39	-8,572.81	-321.05	967.56	747.47	220.09	4.396		
20,900.00	12,199.18	21,274.44	12,583.32	120.23	118.51	113.39	-8,672.81	-320.19	967.56	744.97	222.59	4.347		
21,000.00	12,200.05	21,374.44	12,584.19	121.58	119.86	113.39	-8,772.80	-319.33	967.57	742.46	225.10	4.298		
21,100.00	12,200.92	21,474.44	12,585.07	122.94	121.22	113.39	-8,872.79	-318.47	967.57	739.96	227.61	4.251		
21,200.00	12,201.79	21,574.44	12,585.94	124.29	122.57	113.39	-8,972.78	-317.61	967.57	737.45	230.11	4.205		
21,300.00	12,202.67	21,674.44	12,586.81	125.65	123.93	113.39	-9,072.78	-316.75	967.57	734.94	232.62	4.159		
21,400.00	12,203.54	21,774.44	12,587.69	127.01	125.29	113.39	-9,172.77	-315.89	967.57	732.44	235.13	4.115		
21,500.00	12,204.41	21,874.44	12,588.56	128.36	126.65	113.39	-9,272.76	-315.03	967.57	729.93	237.64	4.072		
21,600.00	12,205.28	21,974.44	12,589.43	129.72	128.00	113.39	-9,372.75	-314.17	967.57	727.42	240.15	4.029		
21,700.00	12,206.15	22,074.44	12,590.31	131.08	129.36	113.39	-9,472.75	-313.30	967.57	724.91	242.66	3.987		
21,800.00	12,207.02	22,174.44	12,591.18	132.44	130.72	113.39	-9,572.74	-312.44	967.57	722.40	245.18	3.946		
21,900.00	12,207.89	22,274.44	12,592.05	133.79	132.08	113.39	-9,672.73	-311.58	967.57	719.88	247.69	3.906		
22,000.00	12,208.77	22,374.44	12,592.93	135.15	133.44	113.39	-9,772.72	-310.72	967.57	717.37	250.20	3.867		
22,100.00	12,209.64	22,474.44	12,593.80	136.51	134.79	113.39	-9,872.72	-309.86	967.57	714.86	252.71	3.829		
22,200.00	12,210.51	22,574.44	12,594.67	137.87	136.15	113.39	-9,972.71	-309.00	967.57	712.35	255.23	3.791		
22,300.00	12,211.38	22,674.44	12,595.54	139.23	137.51	113.39	-10,072.70	-308.14	967.58	709.83	257.74	3.754		
22,400.00	12,212.25	22,774.44	12,596.42	140.59	138.87	113.39	-10,172.69	-307.28	967.58	707.32	260.26	3.718		
22,428.60	12,212.50	22,803.04	12,596.67	140.94	139.26	113.39	-10,201.29	-307.03	967.58	706.64	260.93	3.708	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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

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

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)		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)			
11,400.00	11,353.34	11,387.42	11,356.34	17.09	16.36	89.60	316.49	2,247.55	1,757.01	1,725.06	31.96	54.980			
11,500.00	11,453.34	11,487.42	11,456.34	17.17	16.40	89.60	316.49	2,247.55	1,757.01	1,724.94	32.07	54.780			
11,599.66	11,553.00	11,587.08	11,556.00	17.25	16.44	89.60	316.49	2,247.55	1,757.01	1,724.82	32.19	54.581			
11,600.00	11,553.34	11,587.42	11,556.34	17.25	16.44	-89.91	316.49	2,247.55	1,757.01	1,724.82	32.19	54.581			
11,650.00	11,603.27	11,637.35	11,606.27	17.31	16.46	-89.98	316.49	2,247.55	1,757.01	1,724.80	32.21	54.546			
11,656.00	11,609.25	11,643.33	11,612.25	17.32	16.47	-90.00	316.49	2,247.55	1,757.01	1,724.80	32.21	54.548	CC		
11,700.00	11,652.83	11,686.91	11,655.83	17.34	16.48	-90.19	316.49	2,247.55	1,757.02	1,724.82	32.20	54.565			
11,750.00	11,701.62	11,735.70	11,704.62	17.37	16.50	-90.53	316.49	2,247.55	1,757.09	1,724.92	32.18	54.608			
11,800.00	11,749.28	11,783.36	11,752.28	17.40	16.52	-90.98	316.49	2,247.55	1,757.30	1,725.16	32.14	54.672			
11,850.00	11,795.45	11,829.53	11,798.45	17.43	16.54	-91.51	316.49	2,247.55	1,757.75	1,725.65	32.10	54.761			
11,900.00	11,839.77	11,873.85	11,842.77	17.46	16.55	-92.09	316.49	2,247.55	1,758.58	1,726.53	32.05	54.869			
11,950.00	11,881.91	11,921.66	11,890.56	17.49	16.61	-92.78	315.56	2,247.56	1,759.87	1,727.86	32.01	54.975			
12,000.00	11,921.55	11,974.65	11,943.25	17.53	16.74	-93.51	310.11	2,247.61	1,761.56	1,729.55	32.01	55.024			
12,050.00	11,958.38	12,031.10	11,998.57	17.57	16.89	-94.26	298.98	2,247.71	1,763.62	1,731.54	32.07	54.988			
12,100.00	11,992.13	12,091.61	12,056.34	17.61	17.06	-95.01	281.07	2,247.87	1,765.98	1,733.78	32.20	54.837			
12,150.00	12,022.53	12,156.87	12,116.14	17.66	17.25	-95.77	255.04	2,248.11	1,768.60	1,736.17	32.43	54.541			
12,200.00	12,049.37	12,227.58	12,177.15	17.72	17.44	-96.54	219.38	2,248.43	1,771.37	1,738.59	32.78	54.039			
12,250.00	12,072.42	12,304.43	12,237.92	17.79	17.65	-97.30	172.43	2,248.86	1,774.17	1,740.91	33.26	53.340			
12,300.00	12,091.52	12,387.96	12,296.19	17.87	17.85	-98.03	112.69	2,249.40	1,776.87	1,742.95	33.92	52.391			
12,350.00	12,106.52	12,478.34	12,348.74	17.97	18.04	-98.69	39.28	2,250.07	1,779.27	1,744.53	34.74	51.223			
12,400.00	12,117.31	12,575.14	12,391.48	18.08	18.72	-99.23	-47.45	2,250.86	1,781.21	1,745.49	35.71	49.874			
12,450.00	12,123.81	12,677.11	12,420.05	18.20	19.71	-99.60	-145.19	2,251.75	1,782.51	1,745.69	36.82	48.417			
12,494.67	12,125.94	12,770.90	12,430.67	18.33	20.68	-99.75	-238.26	2,252.59	1,783.02	1,745.17	37.85	47.104			
12,500.00	12,125.98	12,782.17	12,430.92	18.35	20.80	-99.75	-249.53	2,252.69	1,783.04	1,745.06	37.98	46.951			
12,600.00	12,126.85	12,884.22	12,431.47	18.69	21.91	-99.74	-351.58	2,253.62	1,783.03	1,743.64	39.38	45.274			
12,700.00	12,127.73	12,984.22	12,431.99	19.10	23.03	-99.73	-451.58	2,254.53	1,783.02	1,742.12	40.90	43.595			
12,800.00	12,128.60	13,084.22	12,432.52	19.59	24.17	-99.72	-551.57	2,255.44	1,783.01	1,740.47	42.53	41.921			
12,900.00	12,129.47	13,184.22	12,433.04	20.15	25.34	-99.71	-651.56	2,256.35	1,782.99	1,738.72	44.27	40.273			
13,000.00	12,130.34	13,284.22	12,433.57	20.79	26.52	-99.69	-751.56	2,257.26	1,782.98	1,736.87	46.11	38.670			
13,100.00	12,131.21	13,384.22	12,434.09	21.50	27.73	-99.68	-851.55	2,258.17	1,782.97	1,734.94	48.03	37.123			
13,200.00	12,132.08	13,484.22	12,434.62	22.27	28.95	-99.67	-951.55	2,259.08	1,782.96	1,732.93	50.03	35.640			
13,300.00	12,132.95	13,584.22	12,435.14	23.10	30.18	-99.66	-1,051.54	2,259.98	1,782.95	1,730.86	52.09	34.227			
13,400.00	12,133.83	13,684.22	12,435.67	23.99	31.42	-99.65	-1,151.53	2,260.89	1,782.94	1,728.72	54.22	32.886			
13,500.00	12,134.70	13,784.22	12,436.19	24.92	32.67	-99.64	-1,251.53	2,261.80	1,782.93	1,726.53	56.39	31.615			
13,600.00	12,135.57	13,884.22	12,436.72	25.89	33.93	-99.63	-1,351.52	2,262.71	1,782.92	1,724.30	58.62	30.415			
13,700.00	12,136.44	13,984.22	12,437.24	26.89	35.20	-99.62	-1,451.51	2,263.62	1,782.91	1,722.02	60.89	29.282			
13,800.00	12,137.31	14,084.22	12,437.77	27.93	36.48	-99.60	-1,551.51	2,264.53	1,782.90	1,719.70	63.19	28.214			
13,900.00	12,138.18	14,184.22	12,438.29	29.00	37.76	-99.59	-1,651.50	2,265.44	1,782.89	1,717.36	65.53	27.208			
14,000.00	12,139.05	14,284.21	12,438.82	30.09	39.05	-99.58	-1,751.50	2,266.35	1,782.87	1,714.98	67.90	26.259			
14,100.00	12,139.93	14,384.21	12,439.34	31.21	40.35	-99.57	-1,851.49	2,267.26	1,782.86	1,712.58	70.29	25.365			
14,200.00	12,140.80	14,484.21	12,439.87	32.34	41.65	-99.56	-1,951.48	2,268.16	1,782.85	1,710.15	72.71	24.522			
14,300.00	12,141.67	14,584.21	12,440.39	33.50	42.95	-99.55	-2,051.48	2,269.07	1,782.84	1,707.70	75.14	23.726			
14,400.00	12,142.54	14,684.21	12,440.92	34.67	44.26	-99.54	-2,151.47	2,269.98	1,782.83	1,705.23	77.60	22.974			
14,500.00	12,143.41	14,784.21	12,441.44	35.85	45.57	-99.53	-2,251.47	2,270.89	1,782.82	1,702.75	80.08	22.264			
14,600.00	12,144.28	14,884.21	12,441.97	37.05	46.88	-99.51	-2,351.46	2,271.80	1,782.81	1,700.25	82.57	21.592			
14,700.00	12,145.15	14,984.21	12,442.49	38.26	48.20	-99.50	-2,451.45	2,272.71	1,782.80	1,697.73	85.07	20.957			
14,800.00	12,146.02	15,084.21	12,443.02	39.48	49.52	-99.49	-2,551.45	2,273.62	1,782.79	1,695.20	87.59	20.354			
14,900.00	12,146.90	15,184.21	12,443.54	40.71	50.85	-99.48	-2,651.44	2,274.53	1,782.78	1,692.67	90.12	19.783			
15,000.00	12,147.77	15,284.21	12,444.07	41.95	52.17	-99.47	-2,751.44	2,275.43	1,782.77	1,690.11	92.66	19.240			
15,100.00	12,148.64	15,384.21	12,444.59	43.20	53.50	-99.46	-2,851.43	2,276.34	1,782.76	1,687.55	95.21	18.725			
15,200.00	12,149.51	15,484.21	12,445.12	44.45	54.83	-99.45	-2,951.42	2,277.25	1,782.75	1,684.99	97.77	18.234			
15,300.00	12,150.38	15,584.21	12,445.64	45.71	56.16	-99.44	-3,051.42	2,278.16	1,782.74	1,682.41	100.34	17.768			

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

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

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:							Offset Well Error:		0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface	Offset Wellbore Centre		Distance		Minimum Separation	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
20,600.00	12,196.57	20,884.17	12,473.47	116.16	127.89	-98.84	-8,351.09	2,326.33	1,782.33	1,541.13	241.20	7.389			
20,700.00	12,197.44	20,984.17	12,474.00	117.52	129.25	-98.83	-8,451.09	2,327.24	1,782.33	1,538.43	243.90	7.308			
20,800.00	12,198.31	21,084.17	12,474.52	118.87	130.61	-98.82	-8,551.08	2,328.15	1,782.32	1,535.73	246.59	7.228			
20,900.00	12,199.18	21,184.17	12,475.05	120.23	131.98	-98.81	-8,651.07	2,329.06	1,782.32	1,533.03	249.29	7.150			
21,000.00	12,200.05	21,284.17	12,475.57	121.58	133.34	-98.80	-8,751.07	2,329.97	1,782.31	1,530.32	251.99	7.073			
21,100.00	12,200.92	21,384.17	12,476.10	122.94	134.70	-98.78	-8,851.06	2,330.88	1,782.31	1,527.62	254.68	6.998			
21,200.00	12,201.79	21,484.17	12,476.62	124.29	136.07	-98.77	-8,951.06	2,331.78	1,782.30	1,524.92	257.38	6.925			
21,300.00	12,202.67	21,584.17	12,477.15	125.65	137.43	-98.76	-9,051.05	2,332.69	1,782.29	1,522.21	260.08	6.853			
21,400.00	12,203.54	21,684.17	12,477.67	127.01	138.79	-98.75	-9,151.04	2,333.60	1,782.29	1,519.51	262.78	6.782			
21,500.00	12,204.41	21,784.17	12,478.20	128.36	140.16	-98.74	-9,251.04	2,334.51	1,782.28	1,516.80	265.48	6.713			
21,600.00	12,205.28	21,884.17	12,478.72	129.72	141.52	-98.73	-9,351.03	2,335.42	1,782.28	1,514.10	268.18	6.646			
21,700.00	12,206.15	21,984.17	12,479.25	131.08	142.88	-98.72	-9,451.03	2,336.33	1,782.27	1,511.39	270.88	6.580			
21,800.00	12,207.02	22,084.17	12,479.77	132.44	144.25	-98.71	-9,551.02	2,337.24	1,782.27	1,508.69	273.58	6.515			
21,900.00	12,207.89	22,184.17	12,480.30	133.79	145.61	-98.69	-9,651.01	2,338.15	1,782.26	1,505.98	276.28	6.451			
22,000.00	12,208.77	22,284.17	12,480.82	135.15	146.98	-98.68	-9,751.01	2,339.06	1,782.26	1,503.27	278.99	6.388			
22,100.00	12,209.64	22,384.17	12,481.35	136.51	148.34	-98.67	-9,851.00	2,339.96	1,782.25	1,500.56	281.69	6.327			
22,200.00	12,210.51	22,484.16	12,481.87	137.87	149.71	-98.66	-9,950.99	2,340.87	1,782.25	1,497.86	284.39	6.267			
22,300.00	12,211.38	22,584.16	12,482.40	139.23	151.07	-98.65	-10,050.99	2,341.78	1,782.24	1,495.15	287.10	6.208			
22,400.00	12,212.25	22,684.16	12,482.92	140.59	152.43	-98.64	-10,150.98	2,342.69	1,782.24	1,492.44	289.80	6.150			
22,428.60	12,212.50	22,712.76	12,483.07	140.94	152.82	-98.63	-10,179.58	2,342.95	1,782.24	1,491.71	290.53	6.134	ES, SF		

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)							
0.00	0.00	1.00	1.00	0.50	0.50	-26.57	50.00	-25.00	55.90						
100.00	100.00	101.00	101.00	0.98	0.99	-26.57	50.00	-25.00	55.90	53.93		1.97	28.410		
200.00	200.00	201.00	201.00	1.56	1.57	-26.57	50.00	-25.00	55.90	52.78		3.13	17.881		
300.00	300.00	301.00	301.00	1.98	1.98	-26.57	50.00	-25.00	55.90	51.94		3.97	14.096		
400.00	400.00	401.00	401.00	2.33	2.33	-26.57	50.00	-25.00	55.90	51.24		4.66	11.991		
500.00	500.00	501.00	501.00	2.63	2.64	-26.57	50.00	-25.00	55.90	50.63		5.27	10.604		
600.00	600.00	601.00	601.00	2.91	2.91	-26.57	50.00	-25.00	55.90	50.08		5.82	9.601		
700.00	700.00	701.00	701.00	3.16	3.17	-26.57	50.00	-25.00	55.90	49.57		6.33	8.831		
800.00	800.00	801.00	801.00	3.40	3.40	-26.57	50.00	-25.00	55.90	49.10		6.80	8.217		
900.00	899.99	900.99	900.99	3.68	3.63	-86.10	50.00	-25.00	55.80	48.55		7.25	7.701		
1,000.00	999.91	1,001.08	1,001.08	3.93	3.76	-90.10	50.00	-24.94	55.64	48.05		7.59	7.332		
1,100.00	1,099.69	1,101.82	1,101.79	4.18	4.01	-95.37	49.93	-23.06	54.83	46.83		8.00	6.855		
1,133.33	1,132.91	1,135.40	1,135.36	4.21	4.08	-97.30	49.89	-21.84	54.36	46.27		8.09	6.718		
1,200.00	1,199.32	1,202.62	1,202.49	4.29	4.24	-100.88	49.77	-18.52	53.03	44.71		8.32	6.377		
1,300.00	1,298.94	1,303.49	1,303.10	4.49	4.46	-104.93	49.52	-11.32	49.77	41.06		8.72	5.711		
1,400.00	1,398.56	1,403.45	1,402.69	4.68	4.61	-108.30	49.22	-2.62	45.55	36.50		9.06	5.031		
1,500.00	1,498.18	1,503.33	1,502.18	4.88	4.78	-112.32	48.91	6.08	41.51	32.08		9.44	4.399		
1,600.00	1,597.80	1,603.20	1,601.67	5.07	4.96	-117.19	48.61	14.77	37.72	27.90		9.82	3.841		
1,700.00	1,697.42	1,703.07	1,701.16	5.26	5.14	-123.08	48.31	23.47	34.25	24.05		10.21	3.356		
1,800.00	1,797.04	1,802.94	1,800.65	5.45	5.32	-130.20	48.00	32.17	31.23	20.63		10.60	2.945		
1,900.00	1,896.66	1,902.81	1,900.15	5.64	5.50	-138.68	47.70	40.87	28.79	17.78		11.01	2.615		
2,000.00	1,996.28	2,002.68	1,999.64	5.82	5.68	-148.47	47.40	49.57	27.08	15.67		11.41	2.373		
2,100.00	2,095.90	2,102.56	2,099.13	6.01	5.86	-159.22	47.09	58.27	26.26	14.45		11.81	2.223		
2,135.71	2,131.47	2,138.22	2,134.66	6.08	5.92	-163.16	46.98	61.38	26.20	14.24		11.95	2.191	CC	
2,200.00	2,195.52	2,202.43	2,198.62	6.20	6.04	-170.24	46.79	66.97	26.40	14.19		12.20	2.163	ES	
2,204.50	2,200.00	2,206.94	2,203.12	6.21	6.05	-170.73	46.78	67.36	26.42	14.21		12.22	2.163		
2,300.00	2,295.06	2,302.99	2,298.69	6.38	6.23	178.91	47.06	76.87	27.01	14.46		12.54	2.153		
2,400.00	2,394.43	2,403.56	2,398.50	6.57	6.44	168.06	48.52	89.13	27.71	14.83		12.88	2.152	SF	
2,500.00	2,493.58	2,504.09	2,497.93	6.77	6.65	157.00	51.16	103.72	28.60	15.42		13.18	2.170		
2,600.00	2,592.49	2,604.56	2,596.89	6.96	6.86	145.68	54.99	120.63	29.86	16.38		13.47	2.216		
2,700.00	2,691.13	2,704.93	2,695.27	7.15	7.08	134.23	59.99	139.84	31.70	17.92		13.78	2.301		
2,800.00	2,789.47	2,805.17	2,792.98	7.35	7.29	122.98	66.15	161.32	34.33	20.21		14.12	2.431		
2,900.00	2,887.48	2,905.22	2,889.91	7.56	7.50	112.31	73.47	185.02	37.92	23.40		14.52	2.612		
2,904.03	2,891.42	2,909.24	2,893.79	7.56	7.51	111.91	73.78	186.01	38.09	23.55		14.54	2.620		
3,000.00	2,985.30	3,004.92	2,986.21	7.75	7.69	103.48	81.26	209.62	42.62	27.66		14.96	2.849		
3,100.00	3,083.11	3,104.62	3,082.51	7.95	7.88	96.54	89.05	234.22	48.13	32.70		15.43	3.119		
3,200.00	3,180.93	3,204.32	3,178.81	8.15	8.07	91.08	96.84	258.82	54.19	38.28		15.91	3.406		
3,300.00	3,278.75	3,304.01	3,275.11	8.36	8.27	86.74	104.63	283.42	60.64	44.25		16.39	3.699		
3,400.00	3,376.56	3,403.71	3,371.41	8.57	8.52	83.26	112.42	308.03	67.37	50.49		16.88	3.991		
3,500.00	3,474.38	3,503.41	3,467.71	8.78	8.81	80.41	120.22	332.63	74.31	56.94		17.37	4.277		
3,600.00	3,572.20	3,603.11	3,564.01	8.99	9.09	78.06	128.01	357.23	81.40	63.53		17.87	4.556		
3,700.00	3,670.01	3,702.80	3,660.31	9.21	9.39	76.08	135.80	381.83	88.60	70.24		18.36	4.825		
3,800.00	3,767.83	3,802.50	3,756.61	9.44	9.68	74.41	143.59	406.43	95.89	77.03		18.86	5.085		
3,900.00	3,865.64	3,902.20	3,852.91	9.67	9.98	72.97	151.38	431.03	103.25	83.89		19.36	5.334		
4,000.00	3,963.46	4,001.90	3,949.21	9.91	10.29	71.72	159.17	455.63	110.66	90.81		19.85	5.574		
4,063.13	4,025.21	4,064.84	4,010.01	10.05	10.48	71.02	164.09	471.16	115.37	95.22		20.15	5.726		
4,100.00	4,061.30	4,101.59	4,045.51	10.12	10.59	70.60	166.97	480.23	118.17	97.85		20.31	5.817		
4,200.00	4,159.42	4,201.21	4,141.73	10.36	10.90	69.07	174.75	504.81	126.20	105.40		20.80	6.069		
4,300.00	4,257.86	4,300.70	4,237.84	10.59	11.21	67.06	182.53	529.36	134.99	113.74		21.25	6.352		
4,400.00	4,356.59	4,400.05	4,333.80	10.80	11.52	64.68	190.29	553.88	144.68	123.00		21.68	6.673		
4,500.00	4,455.59	4,499.22	4,429.59	11.01	11.84	62.06	198.04	578.35	155.41	133.32		22.08	7.038		
4,600.00	4,554.82	4,598.18	4,525.17	11.20	12.15	59.28	205.78	602.76	167.32	144.86		22.46	7.449		

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 217H - OH - Plan 1

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:					Offset Well Error:		0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre			Distance		Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		
18,900.00	12,181.75	19,344.63	12,565.86	93.20	94.65	-131.57	-6,661.60	982.60	577.43	429.21	148.22	3.896	
19,000.00	12,182.62	19,444.63	12,566.73	94.55	95.98	-131.57	-6,761.59	983.46	577.43	427.17	150.26	3.843	
19,100.00	12,183.49	19,544.63	12,567.60	95.90	97.32	-131.57	-6,861.58	984.32	577.43	425.13	152.30	3.791	
19,200.00	12,184.37	19,644.63	12,568.48	97.24	98.66	-131.57	-6,961.58	985.18	577.43	423.09	154.35	3.741	
19,300.00	12,185.24	19,744.63	12,569.35	98.59	99.99	-131.57	-7,061.57	986.04	577.43	421.04	156.39	3.692	
19,400.00	12,186.11	19,844.63	12,570.22	99.94	101.33	-131.57	-7,161.56	986.90	577.44	418.99	158.44	3.644	
19,500.00	12,186.98	19,944.63	12,571.10	101.29	102.67	-131.57	-7,261.55	987.76	577.44	416.94	160.49	3.598	
19,600.00	12,187.85	20,044.63	12,571.97	102.64	104.01	-131.57	-7,361.55	988.62	577.44	414.89	162.55	3.552	
19,700.00	12,188.72	20,144.63	12,572.85	103.99	105.35	-131.57	-7,461.54	989.48	577.44	412.84	164.60	3.508	
19,800.00	12,189.59	20,244.63	12,573.72	105.34	106.70	-131.57	-7,561.53	990.35	577.44	410.78	166.66	3.465	
19,900.00	12,190.47	20,344.63	12,574.59	106.69	108.04	-131.57	-7,661.52	991.21	577.44	408.72	168.72	3.422	
20,000.00	12,191.34	20,444.63	12,575.47	108.04	109.38	-131.57	-7,761.52	992.07	577.44	406.66	170.78	3.381	
20,100.00	12,192.21	20,544.63	12,576.34	109.39	110.72	-131.57	-7,861.51	992.93	577.45	404.60	172.85	3.341	
20,200.00	12,193.08	20,644.63	12,577.21	110.75	112.07	-131.57	-7,961.50	993.79	577.45	402.54	174.91	3.301	
20,300.00	12,193.95	20,744.63	12,578.09	112.10	113.41	-131.57	-8,061.49	994.65	577.45	400.47	176.98	3.263	
20,400.00	12,194.82	20,844.63	12,578.96	113.45	114.76	-131.57	-8,161.49	995.51	577.45	398.40	179.05	3.225	
20,500.00	12,195.69	20,944.63	12,579.83	114.81	116.11	-131.57	-8,261.48	996.37	577.45	396.33	181.12	3.188	
20,600.00	12,196.57	21,044.63	12,580.71	116.16	117.45	-131.57	-8,361.47	997.24	577.45	394.27	183.19	3.152	
20,700.00	12,197.44	21,144.63	12,581.58	117.52	118.80	-131.57	-8,461.46	998.10	577.46	392.19	185.26	3.117	
20,800.00	12,198.31	21,244.63	12,582.45	118.87	120.15	-131.57	-8,561.45	998.96	577.46	390.12	187.34	3.082	
20,900.00	12,199.18	21,344.63	12,583.33	120.23	121.50	-131.57	-8,661.45	999.82	577.46	388.05	189.41	3.049	
21,000.00	12,200.05	21,444.63	12,584.20	121.58	122.85	-131.57	-8,761.44	1,000.68	577.46	385.97	191.49	3.016	
21,100.00	12,200.92	21,544.63	12,585.08	122.94	124.19	-131.57	-8,861.43	1,001.54	577.46	383.89	193.57	2.983	
21,200.00	12,201.79	21,644.63	12,585.95	124.29	125.54	-131.57	-8,961.42	1,002.40	577.46	381.82	195.65	2.952	
21,300.00	12,202.67	21,744.63	12,586.82	125.65	126.89	-131.57	-9,061.42	1,003.26	577.47	379.74	197.73	2.921	
21,400.00	12,203.54	21,844.63	12,587.70	127.01	128.24	-131.57	-9,161.41	1,004.12	577.47	377.66	199.81	2.890	
21,500.00	12,204.41	21,944.63	12,588.57	128.36	129.60	-131.57	-9,261.40	1,004.99	577.47	375.58	201.89	2.860	
21,600.00	12,205.28	22,044.63	12,589.44	129.72	130.95	-131.57	-9,361.39	1,005.85	577.47	373.49	203.98	2.831	
21,700.00	12,206.15	22,144.63	12,590.32	131.08	132.30	-131.57	-9,461.39	1,006.71	577.47	371.41	206.06	2.802	
21,800.00	12,207.02	22,244.63	12,591.19	132.44	133.65	-131.57	-9,561.38	1,007.57	577.47	369.33	208.15	2.774	
21,900.00	12,207.89	22,344.63	12,592.06	133.79	135.00	-131.57	-9,661.37	1,008.43	577.47	367.24	210.23	2.747	
22,000.00	12,208.77	22,444.63	12,592.94	135.15	136.36	-131.57	-9,761.36	1,009.29	577.48	365.15	212.32	2.720	
22,100.00	12,209.64	22,544.63	12,593.81	136.51	137.71	-131.57	-9,861.36	1,010.15	577.48	363.07	214.41	2.693	
22,200.00	12,210.51	22,644.63	12,594.69	137.87	139.06	-131.57	-9,961.35	1,011.01	577.48	360.98	216.50	2.667	
22,300.00	12,211.38	22,744.63	12,595.56	139.23	140.42	-131.57	-10,061.34	1,011.87	577.48	358.89	218.59	2.642	
22,400.00	12,212.25	22,844.63	12,596.43	140.59	141.77	-131.57	-10,161.33	1,012.74	577.48	356.80	220.68	2.617	
22,428.60	12,212.50	22,873.23	12,596.68	140.94	142.16	-131.57	-10,189.93	1,012.98	577.48	356.25	221.24	2.610	

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	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	1.00	1.00	0.50	0.50	-172.30	-185.00	-25.00	186.68						
100.00	100.00	101.00	101.00	0.98	0.99	-172.30	-185.00	-25.00	186.68	184.71	1.97	94.875			
200.00	200.00	201.00	201.00	1.56	1.57	-172.30	-185.00	-25.00	186.68	183.56	3.13	59.711			
300.00	300.00	301.00	301.00	1.98	1.98	-172.30	-185.00	-25.00	186.68	182.72	3.97	47.073			
400.00	400.00	401.00	401.00	2.33	2.33	-172.30	-185.00	-25.00	186.68	182.02	4.66	40.044			
500.00	500.00	501.00	501.00	2.63	2.64	-172.30	-185.00	-25.00	186.68	181.41	5.27	35.411			
600.00	600.00	601.00	601.00	2.91	2.91	-172.30	-185.00	-25.00	186.68	180.86	5.82	32.061			
700.00	700.00	701.03	701.03	3.16	3.17	-172.30	-185.00	-25.00	186.68	180.35	6.33	29.490			
800.00	800.00	804.41	804.40	3.40	3.47	-171.98	-183.91	-25.92	185.76	178.92	6.84	27.171			
900.00	899.99	907.61	907.51	3.68	3.75	131.14	-180.68	-28.63	183.91	176.58	7.33	25.095			
1,000.00	999.91	1,010.40	1,010.05	3.93	4.01	133.78	-175.34	-33.10	182.25	174.47	7.78	23.439			
1,069.45	1,069.23	1,080.07	1,079.47	4.11	4.09	136.24	-170.74	-36.96	181.66	173.66	8.01	22.689	CC, ES		
1,100.00	1,099.69	1,110.39	1,109.68	4.18	4.13	137.41	-168.72	-38.66	181.79	173.67	8.12	22.378			
1,133.33	1,132.91	1,143.45	1,142.61	4.21	4.20	138.73	-166.51	-40.51	182.23	174.01	8.22	22.182			
1,200.00	1,199.32	1,209.54	1,208.45	4.29	4.34	141.42	-162.10	-44.21	183.62	175.19	8.43	21.770			
1,300.00	1,298.94	1,308.67	1,307.20	4.49	4.54	145.37	-155.48	-49.77	186.47	177.63	8.83	21.113			
1,400.00	1,398.56	1,407.80	1,405.96	4.68	4.74	149.18	-148.86	-55.32	190.18	180.96	9.22	20.624			
1,500.00	1,498.18	1,506.94	1,504.71	4.88	4.94	152.83	-142.25	-60.88	194.71	185.11	9.60	20.272			
1,600.00	1,597.80	1,606.07	1,603.47	5.07	5.13	156.30	-135.63	-66.43	200.01	190.02	9.98	20.035			
1,700.00	1,697.42	1,705.20	1,702.22	5.26	5.33	159.59	-129.01	-71.98	206.00	195.65	10.36	19.893			
1,800.00	1,797.04	1,804.33	1,800.98	5.45	5.52	162.68	-122.39	-77.54	212.65	201.92	10.72	19.829			
1,900.00	1,896.66	1,903.46	1,899.73	5.64	5.71	165.58	-115.77	-83.09	219.88	208.79	11.09	19.829			
2,000.00	1,996.28	2,002.60	1,998.49	5.82	5.90	168.29	-109.15	-88.64	227.64	216.19	11.45	19.881			
2,100.00	2,095.90	2,101.73	2,097.24	6.01	6.09	170.82	-102.53	-94.20	235.88	224.07	11.81	19.976			
2,200.00	2,195.52	2,200.86	2,196.00	6.20	6.29	173.17	-95.92	-99.75	244.54	232.36	12.18	20.077			
2,204.50	2,200.00	2,204.88	2,200.00	6.21	6.29	173.27	-95.65	-99.98	244.94	232.75	12.20	20.084			
2,300.00	2,295.06	2,296.59	2,291.26	6.38	6.48	175.51	-89.14	-106.14	255.00	242.49	12.51	20.378			
2,400.00	2,394.43	2,391.19	2,385.18	6.57	6.68	178.07	-81.61	-114.64	269.04	256.17	12.87	20.911			
2,500.00	2,493.58	2,484.58	2,477.61	6.77	6.88	-179.27	-73.37	-125.18	286.80	273.58	13.22	21.693			
2,600.00	2,592.49	2,576.59	2,568.34	6.96	7.08	-176.62	-64.49	-137.62	308.41	294.83	13.58	22.712			
2,700.00	2,691.13	2,667.03	2,657.14	7.15	7.28	-174.06	-55.00	-151.84	333.90	319.96	13.94	23.960			
2,800.00	2,789.47	2,759.75	2,747.86	7.35	7.46	-171.60	-44.69	-168.00	362.91	348.60	14.31	25.363			
2,900.00	2,887.48	2,853.83	2,839.88	7.56	7.65	-169.48	-34.19	-184.50	394.18	379.48	14.70	26.811			
2,904.03	2,891.42	2,857.61	2,843.58	7.56	7.66	-169.40	-33.77	-185.16	395.48	380.76	14.72	26.871			
3,000.00	2,985.30	2,947.63	2,931.63	7.75	7.84	-167.73	-23.72	-200.95	426.73	411.64	15.09	28.285			
3,100.00	3,083.11	3,041.43	3,023.39	7.95	8.03	-166.23	-13.25	-217.41	459.58	444.11	15.48	29.695			
3,200.00	3,180.93	3,135.23	3,115.14	8.15	8.22	-164.93	-2.78	-233.86	492.69	476.82	15.87	31.046			
3,300.00	3,278.75	3,229.04	3,206.89	8.36	8.41	-163.79	7.69	-250.32	525.99	509.73	16.26	32.339			
3,400.00	3,376.56	3,322.84	3,298.64	8.57	8.61	-162.79	18.16	-266.77	559.46	542.80	16.66	33.575			
3,500.00	3,474.38	3,416.64	3,390.40	8.78	8.81	-161.89	28.63	-283.23	593.06	576.00	17.06	34.757			
3,600.00	3,572.20	3,510.44	3,482.15	8.99	9.02	-161.10	39.09	-299.68	626.78	609.32	17.47	35.887			
3,700.00	3,670.01	3,604.25	3,573.90	9.21	9.23	-160.38	49.56	-316.13	660.60	642.73	17.87	36.967			
3,800.00	3,767.83	3,698.05	3,665.65	9.44	9.44	-159.74	60.03	-332.59	694.50	676.22	18.28	37.999			
3,900.00	3,865.64	3,791.85	3,757.41	9.67	9.66	-159.15	70.50	-349.04	728.47	709.79	18.69	38.986			
4,000.00	3,963.46	3,885.65	3,849.16	9.91	9.88	-158.62	80.97	-365.50	762.50	743.41	19.10	39.930			
4,063.13	4,025.21	3,944.87	3,907.08	10.05	10.03	-158.30	87.58	-375.89	784.02	764.68	19.34	40.544			
4,100.00	4,061.30	3,979.49	3,940.95	10.12	10.11	-158.17	91.45	-381.96	796.49	777.02	19.47	40.907			
4,200.00	4,159.42	4,073.72	4,033.12	10.36	10.34	-157.81	101.97	-398.49	829.30	809.42	19.88	41.710			
4,300.00	4,257.86	4,168.42	4,125.75	10.59	10.58	-157.44	112.54	-415.10	860.63	840.34	20.29	42.413			
4,400.00	4,356.59	4,263.57	4,218.82	10.80	10.82	-157.05	123.16	-431.79	890.50	869.80	20.70	43.020			
4,500.00	4,455.59	4,359.12	4,312.28	11.01	11.06	-156.64	133.82	-448.55	918.89	897.79	21.10	43.540			
4,600.00	4,554.82	4,455.06	4,406.12	11.20	11.30	-156.22	144.53	-465.38	945.82	924.31	21.51	43.979			

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 222H - OH - Plan 1

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)							Rule Assigned:				Offset Well Error:		0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			Minimum Separation (usft)
0.00	0.00	0.00	0.00	0.50	0.50	-90.00	0.00	-25.00	25.00				
100.00	100.00	100.00	100.00	0.98	0.98	-90.00	0.00	-25.00	25.00	23.04	1.96	12.741	
200.00	200.00	200.00	200.00	1.56	1.56	-90.00	0.00	-25.00	25.00	21.88	3.12	8.007	
300.00	300.00	300.00	300.00	1.98	1.98	-90.00	0.00	-25.00	25.00	21.04	3.96	6.309	
400.00	400.00	400.00	400.00	2.33	2.33	-90.00	0.00	-25.00	25.00	20.34	4.66	5.366	
500.00	500.00	500.00	500.00	2.63	2.63	-90.00	0.00	-25.00	25.00	19.73	5.27	4.745	
600.00	600.00	600.00	600.00	2.91	2.91	-90.00	0.00	-25.00	25.00	19.18	5.82	4.295	
700.00	700.00	700.00	700.00	3.16	3.16	-90.00	0.00	-25.00	25.00	18.67	6.33	3.951	
800.00	800.00	800.00	800.00	3.40	3.40	-90.00	0.00	-25.00	25.00	18.20	6.80	3.676	
900.00	899.99	899.99	899.99	3.68	3.62	-149.70	0.00	-25.00	26.12	18.84	7.29	3.585	
1,000.00	999.91	999.91	999.91	3.93	3.84	-153.52	0.00	-25.00	29.58	21.83	7.75	3.817	
1,100.00	1,099.69	1,099.69	1,099.69	4.18	4.04	-158.19	0.00	-25.00	35.55	27.35	8.20	4.337	
1,133.33	1,132.91	1,132.91	1,132.91	4.21	4.10	-159.72	0.00	-25.00	38.13	29.84	8.29	4.599	
1,200.00	1,199.32	1,199.32	1,199.32	4.29	4.23	-162.36	0.00	-25.00	43.63	35.12	8.51	5.129	
1,300.00	1,298.94	1,298.94	1,298.94	4.49	4.42	-165.27	0.00	-25.00	52.00	43.11	8.89	5.848	
1,400.00	1,398.56	1,398.56	1,398.56	4.68	4.60	-167.37	0.00	-25.00	60.48	51.21	9.27	6.524	
1,500.00	1,498.18	1,498.18	1,498.18	4.88	4.77	-168.95	0.00	-25.00	69.01	59.37	9.64	7.159	
1,600.00	1,597.80	1,599.74	1,599.72	5.07	4.98	-170.46	0.16	-23.71	76.35	66.31	10.03	7.609	
1,700.00	1,697.42	1,701.61	1,701.52	5.26	5.17	-172.25	0.65	-19.72	81.19	70.78	10.41	7.797	
1,800.00	1,797.04	1,803.63	1,803.31	5.45	5.36	-174.43	1.47	-13.03	83.57	72.79	10.78	7.754	
1,900.00	1,896.66	1,904.17	1,903.48	5.64	5.45	-176.94	2.52	-4.45	84.20	73.15	11.05	7.621	
2,000.00	1,996.28	2,004.10	2,003.03	5.82	5.60	-179.44	3.59	4.20	84.88	73.49	11.39	7.452	
2,100.00	2,095.90	2,104.03	2,102.58	6.01	5.75	178.12	4.65	12.84	85.73	74.00	11.73	7.307	
2,200.00	2,195.52	2,204.01	2,202.18	6.20	5.91	175.72	5.71	21.49	86.72	74.64	12.08	7.177	
2,204.50	2,200.00	2,208.61	2,206.76	6.21	5.92	175.61	5.76	21.90	86.77	74.67	12.10	7.171	
2,300.00	2,295.06	2,306.28	2,303.94	6.38	6.09	173.42	7.72	31.42	87.27	74.84	12.42	7.025	
2,400.00	2,394.43	2,408.56	2,405.45	6.57	6.28	171.34	11.52	43.41	86.99	74.21	12.78	6.808	
2,500.00	2,493.58	2,510.83	2,506.59	6.77	6.47	169.42	17.08	57.46	85.86	72.73	13.13	6.538	
2,600.00	2,592.49	2,613.05	2,607.26	6.96	6.67	167.60	24.42	73.54	83.86	70.37	13.49	6.215	
2,700.00	2,691.13	2,714.91	2,707.10	7.15	6.87	165.84	33.47	91.57	80.99	67.13	13.86	5.844	
2,800.00	2,789.47	2,814.86	2,804.87	7.35	7.03	164.24	43.02	110.02	78.87	64.64	14.23	5.542	
2,872.84	2,860.89	2,887.68	2,876.10	7.50	7.16	163.25	49.97	123.47	78.41	63.90	14.52	5.402	
2,900.00	2,887.48	2,914.84	2,902.66	7.56	7.20	162.93	52.56	128.48	78.48	63.85	14.62	5.367	
2,904.03	2,891.42	2,918.87	2,906.61	7.56	7.21	162.89	52.95	129.22	78.50	63.86	14.64	5.362	
3,000.00	2,985.30	3,014.83	3,000.47	7.75	7.38	161.83	62.11	146.94	79.02	64.01	15.01	5.264	
3,100.00	3,083.11	3,114.81	3,098.27	7.95	7.55	160.74	71.66	165.40	79.59	64.19	15.41	5.166	
3,200.00	3,180.93	3,214.80	3,196.07	8.15	7.73	159.67	81.20	183.86	80.20	64.39	15.81	5.072	
3,300.00	3,278.75	3,314.79	3,293.88	8.36	7.91	158.61	90.75	202.32	80.83	64.61	16.22	4.984	
3,400.00	3,376.56	3,414.77	3,391.68	8.57	8.10	157.57	100.30	220.78	81.48	64.85	16.63	4.899	
3,500.00	3,474.38	3,514.76	3,489.48	8.78	8.32	156.55	109.84	239.24	82.17	65.11	17.05	4.819	
3,600.00	3,572.20	3,614.75	3,587.29	8.99	8.55	155.54	119.39	257.70	82.87	65.40	17.47	4.743	
3,700.00	3,670.01	3,714.73	3,685.09	9.21	8.79	154.55	128.94	276.16	83.61	65.71	17.90	4.670	
3,800.00	3,767.83	3,814.72	3,782.89	9.44	9.02	153.58	138.48	294.62	84.37	66.03	18.33	4.601	
3,900.00	3,865.64	3,914.71	3,880.70	9.67	9.26	152.63	148.03	313.08	85.15	66.38	18.77	4.536	
4,000.00	3,963.46	4,014.70	3,978.50	9.91	9.50	151.69	157.58	331.54	85.95	66.74	19.22	4.473	
4,063.13	4,025.21	4,077.82	4,040.24	10.05	9.66	151.11	163.61	343.19	86.47	67.00	19.48	4.440	
4,100.00	4,061.30	4,114.68	4,076.30	10.12	9.75	150.73	167.13	350.00	86.68	67.05	19.62	4.417	
4,200.00	4,159.42	4,214.66	4,174.10	10.36	9.99	149.32	176.67	368.45	86.22	66.14	20.08	4.295	
4,300.00	4,257.86	4,314.59	4,271.85	10.59	10.24	147.26	186.21	386.91	84.34	63.81	20.54	4.107	
4,400.00	4,356.59	4,414.46	4,369.53	10.80	10.49	144.40	195.75	405.34	81.15	60.15	21.01	3.863	
4,500.00	4,455.59	4,514.22	4,467.11	11.01	10.74	140.50	205.27	423.76	76.83	55.34	21.49	3.575	
4,600.00	4,554.82	4,613.85	4,564.57	11.20	10.99	135.18	214.79	442.15	71.64	49.66	21.98	3.259	

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 222H - OH - Plan 1

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:			Offset Well Error:		0.50 usft		
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance			Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		Separation Factor
9,700.00	9,653.34	9,720.32	9,653.34	15.71	16.48	89.61	304.99	616.57	125.99	94.91	31.09	4.053	
9,800.00	9,753.34	9,820.32	9,753.34	15.79	16.55	89.61	304.99	616.57	125.99	94.75	31.24	4.033	
9,900.00	9,853.34	9,920.32	9,853.34	15.87	16.63	89.61	304.99	616.57	125.99	94.60	31.39	4.013	
10,000.00	9,953.34	10,020.32	9,953.34	15.95	16.70	89.61	304.99	616.57	125.99	94.45	31.55	3.994	
10,100.00	10,053.34	10,120.32	10,053.34	16.03	16.78	89.61	304.99	616.57	125.99	94.29	31.70	3.974	
10,200.00	10,153.34	10,220.32	10,153.34	16.11	16.86	89.61	304.99	616.57	125.99	94.14	31.86	3.955	
10,300.00	10,253.34	10,320.32	10,253.34	16.20	16.93	89.61	304.99	616.57	125.99	93.98	32.01	3.936	
10,400.00	10,353.34	10,420.32	10,353.34	16.28	17.01	89.61	304.99	616.57	125.99	93.83	32.16	3.917	
10,500.00	10,453.34	10,520.32	10,453.34	16.36	17.08	89.61	304.99	616.57	125.99	93.67	32.32	3.898	
10,600.00	10,553.34	10,620.32	10,553.34	16.44	17.16	89.61	304.99	616.57	125.99	93.52	32.47	3.880	
10,700.00	10,653.34	10,720.32	10,653.34	16.52	17.24	89.61	304.99	616.57	125.99	93.36	32.63	3.861	
10,800.00	10,753.34	10,820.32	10,753.34	16.60	17.31	89.61	304.99	616.57	125.99	93.21	32.78	3.843	
10,900.00	10,853.34	10,920.32	10,853.34	16.68	17.39	89.61	304.99	616.57	125.99	93.05	32.94	3.825	
11,000.00	10,953.34	11,020.32	10,953.34	16.76	17.47	89.61	304.99	616.57	125.99	92.90	33.09	3.807	
11,100.00	11,053.34	11,120.32	11,053.34	16.85	17.54	89.61	304.99	616.57	125.99	92.74	33.25	3.789	
11,200.00	11,153.34	11,220.32	11,153.34	16.93	17.62	89.61	304.99	616.57	125.99	92.59	33.40	3.772	
11,300.00	11,253.34	11,320.32	11,253.34	17.01	17.70	89.61	304.99	616.57	125.99	92.43	33.56	3.754	
11,400.00	11,353.34	11,420.32	11,353.34	17.09	17.77	89.61	304.99	616.57	125.99	92.28	33.71	3.737	
11,500.00	11,453.34	11,520.32	11,453.34	17.17	17.85	89.61	304.99	616.57	125.99	92.12	33.87	3.720	
11,599.66	11,553.00	11,619.98	11,553.00	17.25	17.93	89.61	304.99	616.57	125.99	91.97	34.02	3.703	
11,600.00	11,553.34	11,620.32	11,553.34	17.25	17.93	-89.90	304.99	616.57	125.99	91.97	34.02	3.703	
11,615.72	11,569.06	11,636.04	11,569.06	17.27	17.94	-90.00	304.99	616.57	125.99	91.96	34.04	3.702	
11,650.00	11,603.27	11,670.25	11,603.27	17.31	17.96	-90.90	304.99	616.57	126.01	91.95	34.06	3.700	
11,700.00	11,652.83	11,719.80	11,652.83	17.34	18.00	-93.82	304.99	616.57	126.28	92.22	34.06	3.708	
11,750.00	11,701.62	11,768.60	11,701.62	17.37	18.04	-98.45	304.99	616.57	127.48	93.42	34.06	3.743	
11,800.00	11,749.28	11,816.26	11,749.28	17.40	18.08	-104.40	304.99	616.57	130.62	96.53	34.09	3.832	
11,850.00	11,795.45	11,862.43	11,795.45	17.43	18.11	-111.08	304.99	616.57	136.92	102.73	34.19	4.005	
11,900.00	11,839.77	11,906.75	11,839.77	17.46	18.15	-117.79	304.99	616.57	147.51	113.13	34.37	4.291	
11,950.00	11,881.91	11,948.89	11,881.91	17.49	18.18	-123.95	304.99	616.57	163.11	128.49	34.62	4.711	
12,000.00	11,921.55	11,988.53	11,921.55	17.53	18.21	-129.17	304.99	616.57	183.96	149.06	34.89	5.272	
12,050.00	11,958.38	12,025.36	11,958.38	17.57	18.24	-133.27	304.99	616.57	209.86	174.70	35.16	5.969	
12,100.00	11,992.13	12,059.11	11,992.13	17.61	18.26	-136.22	304.99	616.57	240.37	204.98	35.39	6.792	
12,150.00	12,022.53	12,089.51	12,022.53	17.66	18.29	-138.02	304.99	616.57	274.94	239.35	35.59	7.726	
12,200.00	12,049.37	12,116.34	12,049.37	17.72	18.31	-138.64	304.99	616.57	313.02	277.27	35.75	8.755	
12,250.00	12,072.42	12,139.40	12,072.42	17.79	18.33	-137.95	304.99	616.57	354.07	318.19	35.89	9.867	
12,300.00	12,091.52	12,158.50	12,091.52	17.87	18.34	-135.62	304.99	616.57	397.58	361.58	36.00	11.045	
12,350.00	12,106.52	12,173.50	12,106.52	17.97	18.35	-131.04	304.99	616.57	443.06	406.97	36.09	12.278	
12,400.00	12,117.31	12,184.29	12,117.31	18.08	18.36	-123.04	304.99	616.57	490.05	453.89	36.16	13.553	
12,450.00	12,123.81	12,190.78	12,123.81	18.20	18.37	-109.77	304.99	616.57	538.09	501.87	36.22	14.857	
12,494.67	12,125.94	12,192.91	12,125.94	18.33	18.37	-92.25	304.99	616.57	581.55	545.29	36.26	16.037	
12,500.00	12,125.98	12,192.96	12,125.98	18.35	18.37	-92.27	304.99	616.57	586.76	550.49	36.27	16.179	
12,600.00	12,126.85	12,193.83	12,126.85	18.69	18.37	-92.67	304.99	616.57	684.76	648.42	36.34	18.841	
12,700.00	12,127.73	13,451.10	12,859.72	19.10	19.92	-175.89	-464.06	549.82	733.89	677.69	56.21	13.057	
12,800.00	12,128.60	13,549.39	12,860.57	19.59	20.38	-176.01	-1,162.33	549.08	733.78	677.43	56.34	13.023	
12,900.00	12,129.47	13,649.39	12,861.44	20.15	20.93	-176.01	-662.32	549.94	733.77	677.27	56.50	12.987	
13,000.00	12,130.34	13,749.39	12,862.31	20.79	21.56	-176.01	-762.31	550.80	733.77	677.10	56.67	12.947	
13,100.00	12,131.21	13,849.39	12,863.17	21.50	22.25	-176.01	-862.31	551.66	733.77	676.91	56.86	12.904	
13,200.00	12,132.08	13,949.39	12,864.04	22.27	23.00	-176.01	-962.30	552.52	733.76	676.70	57.07	12.858	
13,300.00	12,132.95	14,049.39	12,864.91	23.10	23.80	-176.01	-1,062.29	553.38	733.76	676.48	57.28	12.810	
13,400.00	12,133.83	14,149.39	12,865.78	23.99	24.66	-176.01	-1,162.28	554.24	733.76	676.24	57.51	12.758	
13,500.00	12,134.70	14,249.39	12,866.65	24.92	25.56	-176.01	-1,262.28	555.10	733.75	676.00	57.76	12.704	
13,600.00	12,135.57	14,349.39	12,867.51	25.89	26.50	-176.01	-1,362.27	555.96	733.75	675.73	58.02	12.647	

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Junior Mint Fed Pad - Junior Mint Fed 222H - OH - Plan 1

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)												Rule Assigned:			
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
18,900.00	12,181.75	19,649.39	12,913.52	93.20	93.26	-176.01	-6,661.87	601.58	733.57	647.50	86.07	8.523			
19,000.00	12,182.62	19,749.39	12,914.39	94.55	94.61	-176.01	-6,761.87	602.44	733.57	646.79	86.78	8.453			
19,100.00	12,183.49	19,849.39	12,915.26	95.90	95.95	-176.01	-6,861.86	603.30	733.57	646.07	87.49	8.384			
19,200.00	12,184.37	19,949.39	12,916.12	97.24	97.30	-176.01	-6,961.85	604.16	733.56	645.35	88.21	8.316			
19,300.00	12,185.24	20,049.39	12,916.99	98.59	98.64	-176.01	-7,061.84	605.02	733.56	644.63	88.93	8.249			
19,400.00	12,186.11	20,149.39	12,917.86	99.94	99.99	-176.01	-7,161.84	605.88	733.56	643.90	89.65	8.182			
19,500.00	12,186.98	20,249.39	12,918.73	101.29	101.33	-176.01	-7,261.83	606.74	733.55	643.17	90.38	8.116			
19,600.00	12,187.85	20,349.39	12,919.60	102.64	102.68	-176.01	-7,361.82	607.60	733.55	642.43	91.11	8.051			
19,700.00	12,188.72	20,449.39	12,920.46	103.99	104.03	-176.01	-7,461.81	608.46	733.55	641.69	91.85	7.986			
19,800.00	12,189.59	20,549.39	12,921.33	105.34	105.38	-176.01	-7,561.81	609.33	733.54	640.95	92.59	7.923			
19,900.00	12,190.47	20,649.39	12,922.20	106.69	106.73	-176.01	-7,661.80	610.19	733.54	640.21	93.33	7.860			
20,000.00	12,191.34	20,749.39	12,923.07	108.04	108.07	-176.01	-7,761.79	611.05	733.54	639.46	94.08	7.797			
20,100.00	12,192.21	20,849.39	12,923.94	109.39	109.42	-176.01	-7,861.78	611.91	733.53	638.71	94.83	7.736			
20,200.00	12,193.08	20,949.39	12,924.81	110.75	110.77	-176.01	-7,961.78	612.77	733.53	637.95	95.58	7.675			
20,300.00	12,193.95	21,049.39	12,925.67	112.10	112.13	-176.01	-8,061.77	613.63	733.52	637.19	96.33	7.615			
20,400.00	12,194.82	21,149.39	12,926.54	113.45	113.48	-176.01	-8,161.76	614.49	733.52	636.43	97.09	7.555			
20,500.00	12,195.69	21,249.39	12,927.41	114.81	114.83	-176.01	-8,261.75	615.35	733.52	635.67	97.85	7.496			
20,600.00	12,196.57	21,349.39	12,928.28	116.16	116.18	-176.01	-8,361.75	616.21	733.51	634.90	98.61	7.438			
20,700.00	12,197.44	21,449.39	12,929.15	117.52	117.53	-176.01	-8,461.74	617.07	733.51	634.13	99.38	7.381			
20,800.00	12,198.31	21,549.39	12,930.01	118.87	118.89	-176.01	-8,561.73	617.93	733.51	633.36	100.15	7.324			
20,900.00	12,199.18	21,649.39	12,930.88	120.23	120.24	-176.01	-8,661.72	618.79	733.50	632.58	100.92	7.268			
21,000.00	12,200.05	21,749.39	12,931.75	121.58	121.59	-176.01	-8,761.72	619.65	733.50	631.81	101.69	7.213			
21,100.00	12,200.92	21,849.39	12,932.62	122.94	122.95	-176.01	-8,861.71	620.51	733.50	631.03	102.47	7.158			
21,200.00	12,201.79	21,949.39	12,933.49	124.29	124.30	-176.01	-8,961.70	621.38	733.49	630.24	103.25	7.104			
21,300.00	12,202.67	22,049.39	12,934.35	125.65	125.66	-176.01	-9,061.69	622.24	733.49	629.46	104.03	7.051			
21,400.00	12,203.54	22,149.39	12,935.22	127.01	127.01	-176.01	-9,161.69	623.10	733.49	628.67	104.82	6.998			
21,500.00	12,204.41	22,249.39	12,936.09	128.36	128.37	-176.01	-9,261.68	623.96	733.48	627.88	105.60	6.946			
21,600.00	12,205.28	22,349.39	12,936.96	129.72	129.72	-176.01	-9,361.67	624.82	733.48	627.09	106.39	6.894			
21,700.00	12,206.15	22,449.39	12,937.83	131.08	131.08	-176.01	-9,461.66	625.68	733.48	626.30	107.18	6.843			
21,800.00	12,207.02	22,549.39	12,938.69	132.44	132.44	-176.01	-9,561.66	626.54	733.47	625.50	107.97	6.793			
21,900.00	12,207.89	22,649.39	12,939.56	133.79	133.79	-176.01	-9,661.65	627.40	733.47	624.70	108.77	6.743			
22,000.00	12,208.77	22,749.39	12,940.43	135.15	135.15	-176.01	-9,761.64	628.26	733.47	623.90	109.56	6.694			
22,100.00	12,209.64	22,849.39	12,941.30	136.51	136.51	-176.01	-9,861.64	629.12	733.46	623.10	110.36	6.646			
22,200.00	12,210.51	22,949.39	12,942.17	137.87	137.86	-176.01	-9,961.63	629.98	733.46	622.30	111.16	6.598			
22,300.00	12,211.38	23,049.39	12,943.03	139.23	139.22	-176.01	-10,061.62	630.84	733.46	621.49	111.97	6.551			
22,400.00	12,212.25	23,149.39	12,943.90	140.59	140.58	-176.01	-10,161.61	631.70	733.45	620.68	112.77	6.504			
22,428.60	12,212.50	23,177.99	12,944.15	140.94	140.97	-176.01	-10,190.21	631.95	733.45	620.51	112.94	6.494			

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

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

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:				Offset Well Error:		0.50 usft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
1,800.00	1,797.04	1,800.04	1,800.04	5.45	5.28	10.26	931.00	2,319.00	2,427.38	2,416.67	10.71	226.604	
1,900.00	1,896.66	1,899.66	1,899.66	5.64	5.43	10.30	931.00	2,319.00	2,418.81	2,407.75	11.06	218.747	
2,000.00	1,996.28	1,999.28	1,999.28	5.82	5.59	10.33	931.00	2,319.00	2,410.23	2,398.83	11.40	211.444	
2,100.00	2,095.90	2,183.07	2,182.99	6.01	5.88	10.45	927.59	2,315.95	2,399.05	2,387.20	11.85	202.472	
2,200.00	2,195.52	2,448.43	2,447.40	6.20	6.27	10.79	911.40	2,301.48	2,382.67	2,370.32	12.36	192.818	
2,204.50	2,200.00	2,458.36	2,457.26	6.21	6.29	10.81	910.52	2,300.69	2,381.82	2,369.44	12.38	192.434	
2,300.00	2,295.06	2,665.93	2,662.56	6.38	6.61	11.29	887.83	2,280.41	2,360.51	2,347.73	12.79	184.624	
2,400.00	2,394.43	2,789.43	2,783.95	6.57	6.74	11.68	870.91	2,265.28	2,333.30	2,320.21	13.09	178.296	
2,500.00	2,493.58	2,884.52	2,877.38	6.77	6.87	12.03	857.68	2,253.46	2,304.35	2,290.95	13.40	171.979	
2,600.00	2,592.49	2,979.06	2,970.26	6.96	6.99	12.39	844.54	2,241.71	2,273.83	2,260.11	13.72	165.746	
2,700.00	2,691.13	3,073.03	3,062.58	7.15	7.12	12.78	831.47	2,230.02	2,241.75	2,227.71	14.04	159.635	
2,800.00	2,789.47	3,166.40	3,154.31	7.35	7.25	13.19	818.49	2,218.42	2,208.13	2,193.76	14.37	153.647	
2,900.00	2,887.48	3,259.13	3,245.42	7.56	7.39	13.63	805.59	2,206.89	2,172.98	2,158.27	14.71	147.728	
2,904.03	2,891.42	3,262.86	3,249.08	7.56	7.39	13.65	805.08	2,206.43	2,171.53	2,156.81	14.72	147.493	
3,000.00	2,985.30	3,351.52	3,336.18	7.75	7.52	14.01	792.75	2,195.41	2,137.06	2,122.02	15.04	142.090	
3,100.00	3,083.11	3,443.90	3,426.94	7.95	7.66	14.40	779.90	2,183.92	2,101.22	2,085.84	15.38	136.637	
3,200.00	3,180.93	3,536.28	3,517.70	8.15	7.81	14.80	767.06	2,172.44	2,065.46	2,049.75	15.72	131.403	
3,300.00	3,278.75	3,628.66	3,608.46	8.36	7.97	15.21	754.21	2,160.96	2,029.80	2,013.73	16.07	126.314	
3,400.00	3,376.56	3,721.04	3,699.22	8.57	8.15	15.63	741.37	2,149.47	1,994.24	1,977.82	16.42	121.448	
3,500.00	3,474.38	3,813.42	3,789.98	8.78	8.33	16.08	728.52	2,137.99	1,958.78	1,942.00	16.78	116.759	
3,600.00	3,572.20	3,905.81	3,880.74	8.99	8.52	16.53	715.68	2,126.51	1,923.42	1,906.29	17.14	112.243	
3,700.00	3,670.01	3,998.19	3,971.50	9.21	8.71	17.01	702.83	2,115.02	1,888.18	1,870.68	17.50	107.894	
3,800.00	3,767.83	4,090.57	4,062.26	9.44	8.90	17.50	689.98	2,103.54	1,853.06	1,835.20	17.87	103.704	
3,900.00	3,865.64	4,182.95	4,153.02	9.67	9.10	18.01	677.14	2,092.05	1,818.07	1,799.83	18.24	99.669	
4,000.00	3,963.46	4,275.33	4,243.79	9.91	9.30	18.54	664.29	2,080.57	1,783.22	1,764.60	18.62	95.782	
4,063.13	4,025.21	4,333.65	4,301.08	10.05	9.42	18.89	656.18	2,073.32	1,761.29	1,742.45	18.84	93.495	
4,100.00	4,061.30	4,367.76	4,334.59	10.12	9.50	19.05	651.44	2,069.08	1,748.61	1,729.65	18.96	92.219	
4,200.00	4,159.42	4,460.70	4,425.90	10.36	9.70	19.49	638.52	2,057.53	1,715.39	1,696.05	19.34	88.681	
4,300.00	4,257.86	4,554.27	4,517.83	10.59	9.91	19.93	625.51	2,045.90	1,683.88	1,664.16	19.73	85.360	
4,400.00	4,356.59	4,648.43	4,610.34	10.80	10.12	20.38	612.41	2,034.19	1,654.08	1,633.97	20.11	82.246	
4,500.00	4,455.59	4,743.16	4,703.41	11.01	10.34	20.83	599.24	2,022.42	1,625.99	1,605.50	20.50	79.331	
4,600.00	4,554.82	4,838.43	4,797.00	11.20	10.56	21.28	586.00	2,010.57	1,599.62	1,578.74	20.88	76.606	
4,700.00	4,654.24	4,934.20	4,891.09	11.38	10.78	21.73	572.68	1,998.67	1,574.95	1,553.69	21.26	74.066	
4,800.00	4,753.84	5,030.45	4,985.66	11.54	11.00	22.18	559.29	1,986.70	1,552.00	1,530.35	21.65	71.702	
4,900.00	4,853.58	5,127.16	5,080.66	11.69	11.23	22.63	545.85	1,974.68	1,530.75	1,508.73	22.02	69.508	
5,000.00	4,953.43	5,224.28	5,176.08	11.83	11.45	23.07	532.34	1,962.61	1,511.21	1,488.81	22.40	67.479	
5,100.00	5,053.36	5,321.79	5,271.88	11.97	11.69	23.50	518.78	1,950.49	1,493.36	1,470.60	22.76	65.611	
5,200.00	5,153.34	5,419.66	5,368.04	12.09	11.92	23.92	505.17	1,938.32	1,477.20	1,454.08	23.12	63.903	
5,262.66	5,216.00	5,481.16	5,428.46	12.13	12.07	24.39	496.62	1,930.68	1,467.93	1,444.63	23.30	63.001	
5,300.00	5,253.34	5,517.85	5,464.50	12.15	12.15	24.86	491.52	1,926.12	1,462.61	1,439.21	23.40	62.518	
5,400.00	5,353.34	5,616.09	5,561.02	12.23	12.39	25.34	477.86	1,913.91	1,448.42	1,424.73	23.69	61.129	
5,500.00	5,453.34	5,714.34	5,657.54	12.31	12.63	25.83	464.20	1,901.69	1,434.34	1,410.35	24.00	59.775	
5,600.00	5,553.34	5,812.58	5,754.06	12.39	12.87	26.34	450.54	1,889.48	1,420.37	1,396.07	24.30	58.453	
5,700.00	5,653.34	5,910.83	5,850.58	12.47	13.10	26.85	436.88	1,877.27	1,406.50	1,381.90	24.60	57.164	
5,800.00	5,753.34	6,009.07	5,947.10	12.55	13.35	27.36	423.22	1,865.06	1,392.75	1,367.84	24.91	55.906	
5,900.00	5,853.34	6,107.32	6,043.62	12.63	13.59	27.87	409.56	1,852.84	1,379.11	1,353.89	25.22	54.679	
6,000.00	5,953.34	6,205.56	6,140.14	12.71	13.83	28.38	395.90	1,840.63	1,365.59	1,340.06	25.53	53.482	
6,100.00	6,053.34	6,303.81	6,236.67	12.79	14.07	28.89	382.24	1,828.42	1,352.19	1,326.35	25.85	52.315	
6,200.00	6,153.34	6,402.05	6,333.19	12.87	14.31	29.40	368.57	1,816.21	1,338.92	1,312.76	26.16	51.178	
6,300.00	6,253.34	6,488.91	6,418.58	12.95	14.50	29.72	356.71	1,805.60	1,326.03	1,299.59	26.44	50.156	
6,400.00	6,353.34	6,568.38	6,496.96	13.03	14.68	29.99	346.98	1,796.90	1,314.56	1,287.84	26.72	49.199	
6,500.00	6,453.34	6,648.37	6,576.12	13.12	14.84	30.21	338.41	1,789.24	1,304.63	1,277.64	26.99	48.337	

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

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

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:				Offset Well Error:		0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		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)		
6,600.00	6,553.34	6,728.81	6,655.95	13.20	14.99	88.81	331.05	1,782.66	1,296.19	1,268.95	27.25	47.572
6,700.00	6,653.34	6,809.64	6,736.36	13.28	15.13	89.07	324.92	1,777.18	1,289.25	1,261.76	27.49	46.901
6,800.00	6,753.34	6,900.00	6,826.43	13.36	15.26	89.31	319.56	1,772.39	1,283.82	1,256.09	27.73	46.305
6,900.00	6,853.34	6,972.16	6,898.47	13.44	15.35	89.45	316.43	1,769.59	1,279.76	1,251.84	27.92	45.838
7,000.00	6,953.34	7,053.71	6,979.96	13.52	15.43	89.55	314.11	1,767.51	1,277.19	1,249.08	28.11	45.439
7,100.00	7,053.34	7,135.36	7,061.59	13.60	15.49	89.60	313.08	1,766.60	1,276.06	1,247.80	28.26	45.155
7,146.73	7,100.06	7,176.83	7,103.06	13.64	15.50	89.60	313.03	1,766.55	1,276.00	1,247.69	28.31	45.077
7,200.00	7,153.34	7,230.11	7,156.34	13.68	15.51	89.60	313.03	1,766.55	1,276.00	1,247.64	28.36	44.991
7,300.00	7,253.34	7,330.11	7,256.34	13.76	15.55	89.60	313.03	1,766.55	1,276.00	1,247.52	28.48	44.807
7,400.00	7,353.34	7,430.11	7,356.34	13.84	15.59	89.60	313.03	1,766.55	1,276.00	1,247.41	28.59	44.625
7,500.00	7,453.34	7,530.11	7,456.34	13.93	15.63	89.60	313.03	1,766.55	1,276.00	1,247.29	28.71	44.443
7,600.00	7,553.34	7,630.11	7,556.34	14.01	15.67	89.60	313.03	1,766.55	1,276.00	1,247.17	28.83	44.263
7,700.00	7,653.34	7,730.11	7,656.34	14.09	15.71	89.60	313.03	1,766.55	1,276.00	1,247.06	28.95	44.083
7,800.00	7,753.34	7,830.11	7,756.34	14.17	15.75	89.60	313.03	1,766.55	1,276.00	1,246.94	29.06	43.904
7,900.00	7,853.34	7,930.11	7,856.34	14.25	15.79	89.60	313.03	1,766.55	1,276.00	1,246.82	29.18	43.726
8,000.00	7,953.34	8,030.11	7,956.34	14.33	15.83	89.60	313.03	1,766.55	1,276.00	1,246.70	29.30	43.548
8,100.00	8,053.34	8,130.11	8,056.34	14.41	15.88	89.60	313.03	1,766.55	1,276.00	1,246.58	29.42	43.372
8,200.00	8,153.34	8,230.11	8,156.34	14.49	15.92	89.60	313.03	1,766.55	1,276.00	1,246.46	29.54	43.197
8,300.00	8,253.34	8,330.11	8,256.34	14.57	15.96	89.60	313.03	1,766.55	1,276.00	1,246.34	29.66	43.022
8,400.00	8,353.34	8,430.11	8,356.34	14.65	16.00	89.60	313.03	1,766.55	1,276.00	1,246.22	29.78	42.849
8,500.00	8,453.34	8,530.11	8,456.34	14.74	16.05	89.60	313.03	1,766.55	1,276.00	1,246.10	29.90	42.676
8,600.00	8,553.34	8,630.11	8,556.34	14.82	16.09	89.60	313.03	1,766.55	1,276.00	1,245.98	30.02	42.504
8,700.00	8,653.34	8,730.11	8,656.34	14.90	16.13	89.60	313.03	1,766.55	1,276.00	1,245.86	30.14	42.333
8,800.00	8,753.34	8,830.11	8,756.34	14.98	16.18	89.60	313.03	1,766.55	1,276.00	1,245.74	30.26	42.163
8,900.00	8,853.34	8,930.11	8,856.34	15.06	16.22	89.60	313.03	1,766.55	1,276.00	1,245.62	30.39	41.994
9,000.00	8,953.34	9,030.11	8,956.34	15.14	16.26	89.60	313.03	1,766.55	1,276.00	1,245.49	30.51	41.826
9,100.00	9,053.34	9,130.11	9,056.34	15.22	16.31	89.60	313.03	1,766.55	1,276.00	1,245.37	30.63	41.658
9,200.00	9,153.34	9,230.11	9,156.34	15.30	16.35	89.60	313.03	1,766.55	1,276.00	1,245.25	30.75	41.492
9,300.00	9,253.34	9,330.11	9,256.34	15.38	16.40	89.60	313.03	1,766.55	1,276.00	1,245.12	30.88	41.326
9,400.00	9,353.34	9,430.11	9,356.34	15.47	16.44	89.60	313.03	1,766.55	1,276.00	1,245.00	31.00	41.162
9,500.00	9,453.34	9,530.11	9,456.34	15.55	16.49	89.60	313.03	1,766.55	1,276.00	1,244.88	31.12	40.998
9,600.00	9,553.34	9,630.11	9,556.34	15.63	16.54	89.60	313.03	1,766.55	1,276.00	1,244.75	31.25	40.835
9,700.00	9,653.34	9,730.11	9,656.34	15.71	16.58	89.60	313.03	1,766.55	1,276.00	1,244.63	31.37	40.673
9,800.00	9,753.34	9,830.11	9,756.34	15.79	16.63	89.60	313.03	1,766.55	1,276.00	1,244.50	31.50	40.512
9,900.00	9,853.34	9,930.11	9,856.34	15.87	16.68	89.60	313.03	1,766.55	1,276.00	1,244.38	31.62	40.351
10,000.00	9,953.34	10,030.11	9,956.34	15.95	16.72	89.60	313.03	1,766.55	1,276.00	1,244.25	31.75	40.192
10,100.00	10,053.34	10,130.11	10,056.34	16.03	16.77	89.60	313.03	1,766.55	1,276.00	1,244.13	31.87	40.033
10,200.00	10,153.34	10,230.11	10,156.34	16.11	16.82	89.60	313.03	1,766.55	1,276.00	1,244.00	32.00	39.876
10,300.00	10,253.34	10,330.11	10,256.34	16.20	16.87	89.60	313.03	1,766.55	1,276.00	1,243.88	32.13	39.719
10,400.00	10,353.34	10,430.11	10,356.34	16.28	16.92	89.60	313.03	1,766.55	1,276.00	1,243.75	32.25	39.563
10,500.00	10,453.34	10,530.11	10,456.34	16.36	16.96	89.60	313.03	1,766.55	1,276.00	1,243.62	32.38	39.408
10,600.00	10,553.34	10,630.11	10,556.34	16.44	17.01	89.60	313.03	1,766.55	1,276.00	1,243.49	32.51	39.254
10,700.00	10,653.34	10,730.11	10,656.34	16.52	17.06	89.60	313.03	1,766.55	1,276.00	1,243.37	32.63	39.100
10,800.00	10,753.34	10,830.11	10,756.34	16.60	17.11	89.60	313.03	1,766.55	1,276.00	1,243.24	32.76	38.948
10,900.00	10,853.34	10,930.11	10,856.34	16.68	17.16	89.60	313.03	1,766.55	1,276.00	1,243.11	32.89	38.796
11,000.00	10,953.34	11,030.11	10,956.34	16.76	17.21	89.60	313.03	1,766.55	1,276.00	1,242.98	33.02	38.645
11,100.00	11,053.34	11,130.11	11,056.34	16.85	17.26	89.60	313.03	1,766.55	1,276.00	1,242.85	33.15	38.495
11,200.00	11,153.34	11,230.11	11,156.34	16.93	17.31	89.60	313.03	1,766.55	1,276.00	1,242.73	33.28	38.346
11,300.00	11,253.34	11,330.11	11,256.34	17.01	17.36	89.60	313.03	1,766.55	1,276.00	1,242.60	33.40	38.198
11,400.00	11,353.34	11,430.11	11,356.34	17.09	17.41	89.60	313.03	1,766.55	1,276.00	1,242.47	33.53	38.051
11,500.00	11,453.34	11,530.11	11,456.34	17.17	17.46	89.60	313.03	1,766.55	1,276.00	1,242.34	33.66	37.904
11,599.66	11,553.00	11,629.77	11,556.00	17.25	17.52	89.60	313.03	1,766.55	1,276.00	1,242.21	33.79	37.759

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

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

Offset Site Error: 0.00 usft

Offset Well Error: 0.50 usft

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)						Rule Assigned:						Offset Well Error: 0.50 usft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
15,700.00	12,153.87	16,398.98	12,814.79	50.82	61.76	-115.52	-3,452.95	1,900.93	1,526.97	1,422.12	104.85	14.564	
15,800.00	12,154.74	16,498.98	12,815.32	52.10	63.08	-115.51	-3,552.94	1,901.84	1,526.86	1,419.66	107.19	14.244	
15,900.00	12,155.61	16,598.98	12,815.84	53.40	64.41	-115.50	-3,652.94	1,902.74	1,526.75	1,417.20	109.55	13.937	
16,000.00	12,156.48	16,698.98	12,816.37	54.69	65.74	-115.49	-3,752.93	1,903.65	1,526.64	1,414.73	111.91	13.641	
16,100.00	12,157.35	16,798.98	12,816.89	55.99	67.07	-115.47	-3,852.93	1,904.56	1,526.54	1,412.25	114.28	13.357	
16,200.00	12,158.22	16,898.98	12,817.42	57.29	68.40	-115.46	-3,952.92	1,905.46	1,526.43	1,409.77	116.66	13.084	
16,300.00	12,159.10	16,998.98	12,817.95	58.60	69.73	-115.45	-4,052.91	1,906.37	1,526.32	1,407.28	119.04	12.822	
16,400.00	12,159.97	17,098.98	12,818.47	59.91	71.07	-115.44	-4,152.91	1,907.28	1,526.21	1,404.78	121.43	12.568	
16,500.00	12,160.84	17,198.98	12,819.00	61.22	72.40	-115.42	-4,252.90	1,908.18	1,526.11	1,402.28	123.83	12.325	
16,600.00	12,161.71	17,298.98	12,819.52	62.53	73.74	-115.41	-4,352.90	1,909.09	1,526.00	1,399.77	126.23	12.089	
16,700.00	12,162.58	17,398.98	12,820.05	63.85	75.08	-115.40	-4,452.89	1,910.00	1,525.89	1,397.26	128.63	11.863	
16,800.00	12,163.45	17,498.98	12,820.57	65.17	76.41	-115.39	-4,552.88	1,910.91	1,525.79	1,394.75	131.04	11.644	
16,900.00	12,164.32	17,598.98	12,821.10	66.49	77.75	-115.37	-4,652.88	1,911.81	1,525.68	1,392.23	133.45	11.432	
17,000.00	12,165.20	17,698.97	12,821.63	67.81	79.10	-115.36	-4,752.87	1,912.72	1,525.57	1,389.70	135.87	11.228	
17,100.00	12,166.07	17,798.97	12,822.15	69.14	80.44	-115.35	-4,852.86	1,913.63	1,525.47	1,387.17	138.29	11.031	
17,200.00	12,166.94	17,898.97	12,822.68	70.46	81.78	-115.34	-4,952.86	1,914.53	1,525.36	1,384.64	140.72	10.840	
17,300.00	12,167.81	17,998.97	12,823.20	71.79	83.12	-115.32	-5,052.85	1,915.44	1,525.25	1,382.10	143.15	10.655	
17,400.00	12,168.68	18,098.97	12,823.73	73.12	84.47	-115.31	-5,152.85	1,916.35	1,525.15	1,379.57	145.58	10.476	
17,500.00	12,169.55	18,198.97	12,824.26	74.45	85.81	-115.30	-5,252.84	1,917.25	1,525.04	1,377.02	148.02	10.303	
17,600.00	12,170.42	18,298.97	12,824.78	75.78	87.16	-115.29	-5,352.83	1,918.16	1,524.93	1,374.48	150.46	10.135	
17,700.00	12,171.30	18,398.97	12,825.31	77.12	88.51	-115.27	-5,452.83	1,919.07	1,524.83	1,371.93	152.90	9.973	
17,800.00	12,172.17	18,498.97	12,825.83	78.45	89.85	-115.26	-5,552.82	1,919.97	1,524.72	1,369.38	155.34	9.815	
17,900.00	12,173.04	18,598.97	12,826.36	79.79	91.20	-115.25	-5,652.82	1,920.88	1,524.62	1,366.82	157.79	9.662	
18,000.00	12,173.91	18,698.97	12,826.88	81.12	92.55	-115.24	-5,752.81	1,921.79	1,524.51	1,364.27	160.24	9.514	
18,100.00	12,174.78	18,798.97	12,827.41	82.46	93.90	-115.22	-5,852.80	1,922.69	1,524.40	1,361.71	162.70	9.370	
18,200.00	12,175.65	18,898.97	12,827.94	83.80	95.25	-115.21	-5,952.80	1,923.60	1,524.30	1,359.15	165.15	9.230	
18,300.00	12,176.52	18,998.97	12,828.46	85.14	96.60	-115.20	-6,052.79	1,924.51	1,524.19	1,356.58	167.61	9.094	
18,400.00	12,177.40	19,098.97	12,828.99	86.48	97.95	-115.19	-6,152.79	1,925.41	1,524.09	1,354.01	170.07	8.961	
18,500.00	12,178.27	19,198.97	12,829.51	87.83	99.30	-115.17	-6,252.78	1,926.32	1,523.98	1,351.45	172.54	8.833	
18,600.00	12,179.14	19,298.97	12,830.04	89.17	100.65	-115.16	-6,352.77	1,927.23	1,523.88	1,348.88	175.00	8.708	
18,700.00	12,180.01	19,398.96	12,830.56	90.51	102.00	-115.15	-6,452.77	1,928.13	1,523.77	1,346.30	177.47	8.586	
18,800.00	12,180.88	19,498.96	12,831.09	91.86	103.36	-115.14	-6,552.76	1,929.04	1,523.67	1,343.73	179.94	8.468	
18,900.00	12,181.75	19,598.96	12,831.62	93.20	104.71	-115.12	-6,652.75	1,929.95	1,523.56	1,341.15	182.41	8.352	
19,000.00	12,182.62	19,698.96	12,832.14	94.55	106.06	-115.11	-6,752.75	1,930.86	1,523.46	1,338.57	184.88	8.240	
19,100.00	12,183.49	19,798.96	12,832.67	95.90	107.42	-115.10	-6,852.74	1,931.76	1,523.35	1,335.99	187.36	8.131	
19,200.00	12,184.37	19,898.96	12,833.19	97.24	108.77	-115.09	-6,952.74	1,932.67	1,523.24	1,333.41	189.83	8.024	
19,300.00	12,185.24	19,998.96	12,833.72	98.59	110.13	-115.07	-7,052.73	1,933.58	1,523.14	1,330.83	192.31	7.920	
19,400.00	12,186.11	20,098.96	12,834.25	99.94	111.48	-115.06	-7,152.72	1,934.48	1,523.03	1,328.24	194.79	7.819	
19,500.00	12,186.98	20,198.96	12,834.77	101.29	112.84	-115.05	-7,252.72	1,935.39	1,522.93	1,325.66	197.28	7.720	
19,600.00	12,187.85	20,298.96	12,835.30	102.64	114.19	-115.04	-7,352.71	1,936.30	1,522.83	1,323.07	199.76	7.623	
19,700.00	12,188.72	20,398.96	12,835.82	103.99	115.55	-115.02	-7,452.71	1,937.20	1,522.72	1,320.48	202.24	7.529	
19,800.00	12,189.59	20,498.96	12,836.35	105.34	116.91	-115.01	-7,552.70	1,938.11	1,522.62	1,317.89	204.73	7.437	
19,900.00	12,190.47	20,598.96	12,836.87	106.69	118.26	-115.00	-7,652.69	1,939.02	1,522.51	1,315.29	207.22	7.347	
20,000.00	12,191.34	20,698.96	12,837.40	108.04	119.62	-114.99	-7,752.69	1,939.92	1,522.41	1,312.70	209.71	7.260	
20,100.00	12,192.21	20,798.96	12,837.93	109.39	120.98	-114.97	-7,852.68	1,940.83	1,522.30	1,310.10	212.20	7.174	
20,200.00	12,193.08	20,898.96	12,838.45	110.75	122.33	-114.96	-7,952.68	1,941.74	1,522.20	1,307.51	214.69	7.090	
20,300.00	12,193.95	20,998.95	12,838.98	112.10	123.69	-114.95	-8,052.67	1,942.64	1,522.09	1,304.91	217.18	7.008	
20,400.00	12,194.82	21,098.95	12,839.50	113.45	125.05	-114.94	-8,152.66	1,943.55	1,521.99	1,302.31	219.68	6.928	
20,500.00	12,195.69	21,198.95	12,840.03	114.81	126.41	-114.92	-8,252.66	1,944.46	1,521.89	1,299.71	222.18	6.850	
20,600.00	12,196.57	21,298.95	12,840.55	116.16	127.77	-114.91	-8,352.65	1,945.36	1,521.78	1,297.11	224.67	6.773	
20,700.00	12,197.44	21,398.95	12,841.08	117.52	129.13	-114.90	-8,452.65	1,946.27	1,521.68	1,294.51	227.17	6.698	
20,800.00	12,198.31	21,498.95	12,841.61	118.87	130.48	-114.89	-8,552.64	1,947.18	1,521.57	1,291.90	229.67	6.625	

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 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

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

Survey Program: 0-MWD+HRGM+SAG+FDIR (rev.5)										Offset Site Error:		0.00 usft					
Reference				Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				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)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning				
20,900.00	12,199.18	21,598.95	12,842.13	120.23	131.84	-114.87	-8,652.63	1,948.09	1,521.47	1,289.30	232.17	6.553					
21,000.00	12,200.05	21,698.95	12,842.66	121.58	133.20	-114.86	-8,752.63	1,948.99	1,521.37	1,286.69	234.67	6.483					
21,100.00	12,200.92	21,798.95	12,843.18	122.94	134.56	-114.85	-8,852.62	1,949.90	1,521.26	1,284.09	237.18	6.414					
21,200.00	12,201.79	21,898.95	12,843.71	124.29	135.92	-114.84	-8,952.61	1,950.81	1,521.16	1,281.48	239.68	6.347					
21,300.00	12,202.67	21,998.95	12,844.24	125.65	137.28	-114.82	-9,052.61	1,951.71	1,521.06	1,278.87	242.19	6.281					
21,400.00	12,203.54	22,098.95	12,844.76	127.01	138.64	-114.81	-9,152.60	1,952.62	1,520.95	1,276.26	244.69	6.216					
21,500.00	12,204.41	22,198.95	12,845.29	128.36	140.00	-114.80	-9,252.60	1,953.53	1,520.85	1,273.65	247.20	6.152					
21,600.00	12,205.28	22,298.95	12,845.81	129.72	141.36	-114.79	-9,352.59	1,954.43	1,520.75	1,271.04	249.71	6.090					
21,700.00	12,206.15	22,398.95	12,846.34	131.08	142.72	-114.77	-9,452.58	1,955.34	1,520.64	1,268.42	252.22	6.029					
21,800.00	12,207.02	22,498.95	12,846.86	132.44	144.09	-114.76	-9,552.58	1,956.25	1,520.54	1,265.81	254.73	5.969					
21,900.00	12,207.89	22,598.95	12,847.39	133.79	145.45	-114.75	-9,652.57	1,957.15	1,520.44	1,263.20	257.24	5.911					
22,000.00	12,208.77	22,698.94	12,847.92	135.15	146.81	-114.74	-9,752.57	1,958.06	1,520.33	1,260.58	259.75	5.853					
22,100.00	12,209.64	22,798.94	12,848.44	136.51	148.17	-114.72	-9,852.56	1,958.97	1,520.23	1,257.96	262.27	5.797					
22,200.00	12,210.51	22,898.94	12,848.97	137.87	149.53	-114.71	-9,952.55	1,959.87	1,520.13	1,255.35	264.78	5.741					
22,300.00	12,211.38	22,998.94	12,849.49	139.23	150.89	-114.70	-10,052.55	1,960.78	1,520.02	1,252.73	267.30	5.687					
22,400.00	12,212.25	23,098.94	12,850.02	140.59	152.25	-114.69	-10,152.54	1,961.69	1,519.92	1,250.11	269.81	5.633					
22,428.60	12,212.50	23,127.54	12,850.17	140.94	152.64	-114.68	-10,181.14	1,961.95	1,519.89	1,249.40	270.49	5.619	SF				

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

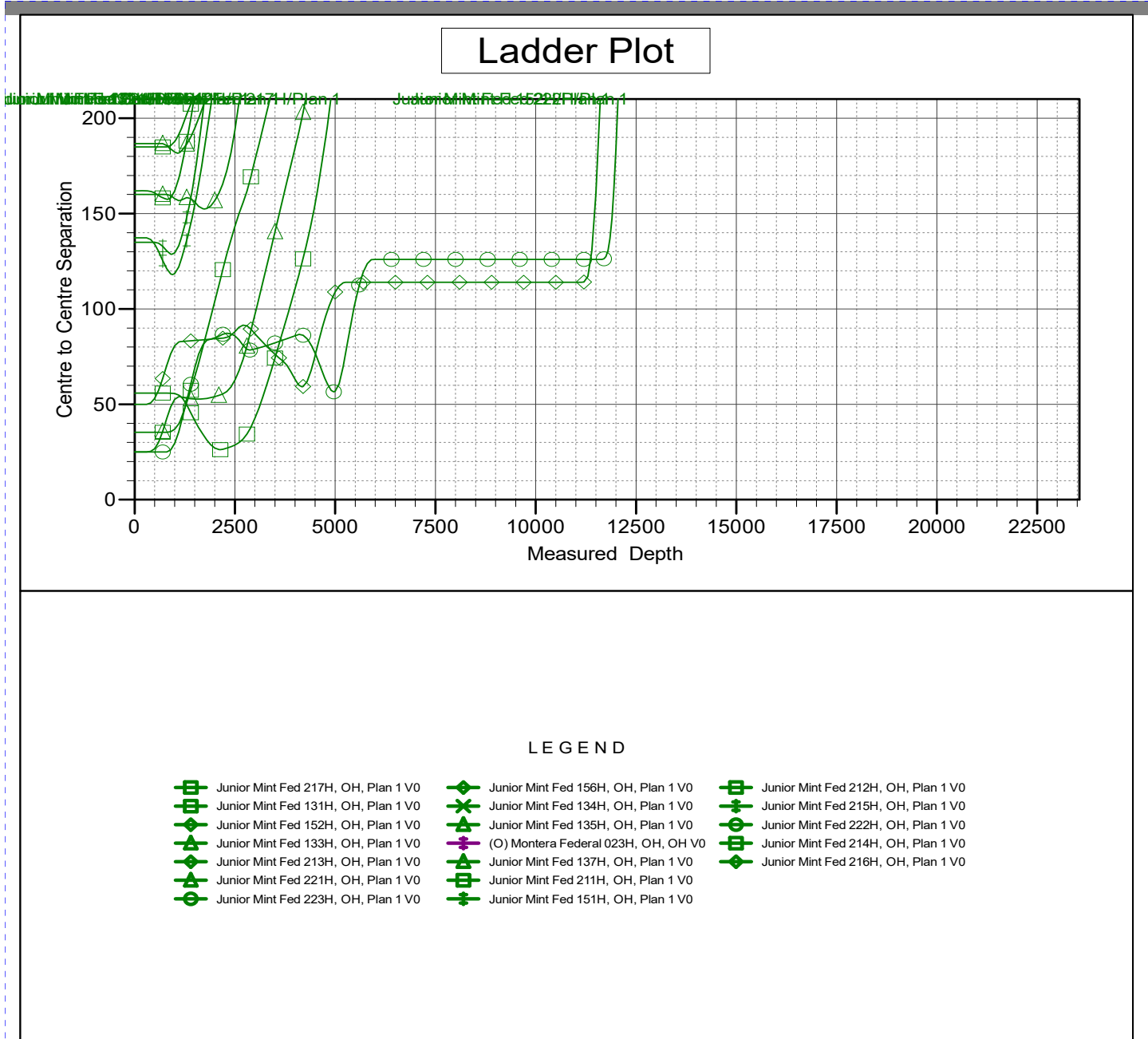
Reference Depths are relative to GE 3220 + 26 @ 3246.00usft (26' KB)Coordinates are relative to: Junior Mint Fed 132H

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

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Anticollision Report

Company:	Civitas Resources	Local Co-ordinate Reference:	Well Junior Mint Fed 132H
Project:	Lea County, NM (NAD 83)	TVD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Reference Site:	Junior Mint Fed Pad	MD Reference:	GE 3220 + 26 @ 3246.00usft (26' KB)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Junior Mint Fed 132H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	.Total Directional Production DB
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to GE 3220 + 26 @ 3246.00usft (26' KB)Coordinates are relative to: Junior Mint Fed 132H

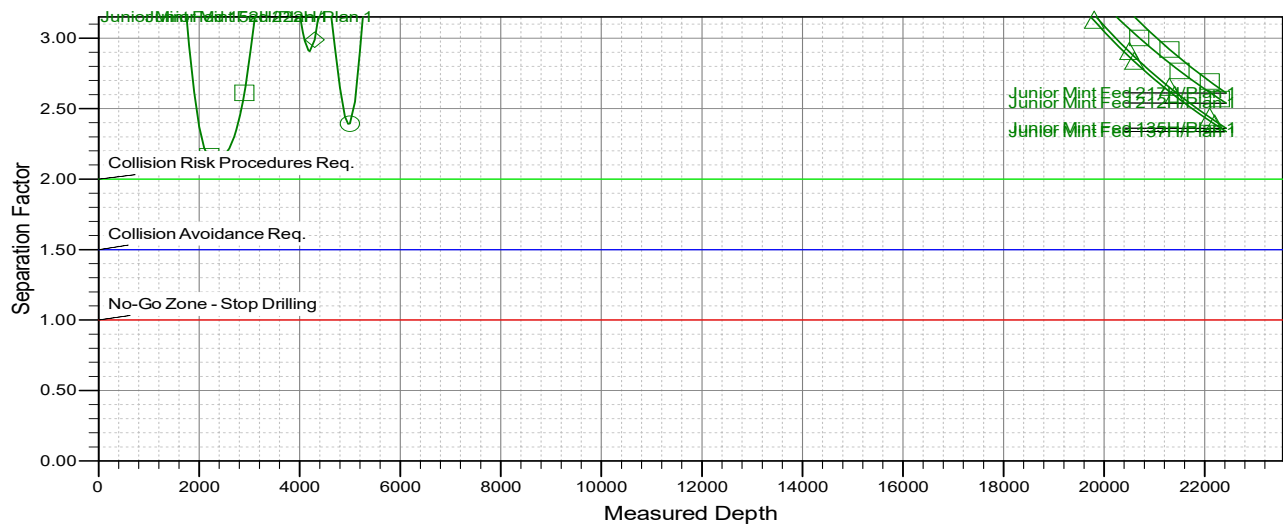
Offset Depths are relative to Offset Datum

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



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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 475448

CONDITIONS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 475448
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
matthew.gomez	Any previous COA's not addressed within the updated COA's still apply.	6/26/2025