

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form C-101
August 1, 2011

Permit 353269

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address Permian Resources Operating, LLC 1001 17th Street, Suite 1800 Denver, CO 80202		2. OGRID Number 372165
		3. API Number 30-025-52198
4. Property Code 334833	5. Property Name CASA BONITA 8 STATE COM	6. Well No. 124H

7. Surface Location

UL - Lot H	Section 8	Township 22S	Range 35E	Lot Idn H	Feet From 2423	N/S Line N	Feet From 1059	E/W Line E	County Lea
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8. Proposed Bottom Hole Location

UL - Lot A	Section 5	Township 22S	Range 35E	Lot Idn 1	Feet From 100	N/S Line N	Feet From 990	E/W Line E	County Lea
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9. Pool Information

WC-025 G-07 S223505N;BONE SPRING	98136
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3585
16. Multiple N	17. Proposed Depth 17740	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 3/1/2024
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	1712	1290	0
Int1	12.25	9.625	40	5605	1470	0
Prod	8.75	5.5	20	10475	640	5105
Prod	7.875	5.5	20	17740	1080	9574

Casing/Cement Program: Additional Comments

Drilling 8.75 hole size for the curve and 7.875 hole size for the lateral for the 5.5 production casing string. Will use DV Tool on Intermediate cement, set at 3825. Pilot hole procedure: Drill vertical pilot hole to +/-11,175'. Log pilot hole. Plug back pilot hole from 11,175' to +/-9,274' with 490 sxs - 17.5 ppg - Class C cement. Dress off plug to KOP @ 9,574'. Drill curve and lateral per drilling plan.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Pipe	10000	5000	Cameron

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable.

OIL CONSERVATION DIVISION

Signature:

Printed Name: Electronically filed by Kanicia Schlichting	Approved By: Paul F Kautz
Title: Regulatory Specialist	Title: Geologist
Email Address: Kanicia.Schlichting@permianres.com	Approved Date: 11/14/2023 Expiration Date: 11/14/2025
Date: 11/2/2023 Phone: 432-232-2875	Conditions of Approval Attached

CORNER COORDINATES
NEW MEXICO ECT. - NAD 83
 A-CALCULATED CORNER
 N:520.775.35' E:829.850.80'
 B-FOUND 1/2" IRON ROD
 N:520.802.85' E:832.494.80'
 C-FOUND 2" IRON PIPE
 N:520.830.67' E:835.170.82'
 D-FOUND NAIL
 N:515.485.49' E:835.194.28'
 E-FOUND IRON PIPE
 N:510.200.16' E:835.241.00'
 F-FOUND 2" IRON PIPE
 N:510.134.32' E:829.952.96'
 G-FOUND IRON PIPE
 N:512.773.96' E:829.929.67'
 H-CALCULATED CORNER
 N:515.397.31' E:829.901.27'
 I-FOUND NAIL
 N:518.891.22' E:829.725.75'
 J-FOUND 1" IRON PIPE
 N:515.449.12' E:832.548.57'

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Form APD Conditions

Permit 353269

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: Permian Resources Operating, LLC [372165] 1001 17th Street, Suite 1800 Denver, CO 80202	API Number: 30-025-52198
	Well: CASA BONITA 8 STATE COM #124H

OCD Reviewer	Condition
pkautz	Notify OCD 24 hours prior to casing & cement
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
pkautz	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing
pkautz	If cement does not circulate on any string , a CBL is required for that string of casing.
pkautz	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud

State of New Mexico
Energy, Minerals and Natural Resources Department

Oil Conservation Division
 1220 South St. Francis Dr
 Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description Effective May 25, 2021

I. Operator: Permian Resources Operating, LLC **OGRID:** 372165 **Date:** 10/12/2023

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____.

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil	Anticipated Gas	Anticipated Prod Water
Casa Bonita 8 State Com 113H		H-8-T22S-R35E	2422' FNL – 1191' FEL	1600 BOPD	1900 MCFD	11600 BWPD
Casa Bonita 8 State Com 114H		H-8-T22S-R35E	2423' FNL – 1026' FEL	1600 BOPD	1900 MCFD	11600 BWPD
Casa Bonita 8 State Com 123H		H-8-T22S-R35E	2423' FNL – 1158' FEL	2000 BOPD	2400 MCFD	12500 BWPD
Casa Bonita 8 State Com 124H		H-8-T22S-R35E	2423' FNL – 1059' FEL	2000 BOPD	2400 MCFD	12500 BWPD
Casa Bonita 8 State Com 133H		H-8-T22S-R35E	2423' FNL – 1125' FEL	1400 BOPD	1650 MCFD	7800 BWPD
Casa Bonita 8 State Com 134H		H-8-T22S-R35E	2423' FNL – 1092' FEL	1400 BOPD	1650 MCFD	7800 BWPD
Casa Bonita 32 State Com 111H		N-32-T21S-R35E	316' FSL – 1393' FWL	1600 BOPD	1900 MCFD	11600 BWPD
Casa Bonita 32 State Com 112H		N-32-T21S-R35E	316' FSL – 1426' FWL	1600 BOPD	1900 MCFD	11600 BWPD
Casa Bonita 32 State Com 121H		N-32-T21S-R35E	316' FSL – 1360' FWL	2000 BOPD	2400 MCFD	12500 BWPD
Casa Bonita 32 State Com 131H		N-32-T21S-R35E	316' FSL – 1459' FWL	1400 BOPD	1650 MCFD	7800 BWPD
Casa Bonita 32 State Com 132H		N-32-T21S-R35E	316' FSL – 1492' FWL	1400 BOPD	1650 MCFD	7800 BWPD
Butters Stotch 8 State Com 113H		I-8-T22S-R35E	2452' FSL – 1190' FEL	1600 BOPD	1900 MCFD	11600 BWPD
Butters Stotch 8 State Com 114H		I-8-T22S-R35E	2452' FSL – 1025' FEL	1600 BOPD	1900 MCFD	11600 BWPD
Butters Stotch 8 State Com 123H		I-8-T22S-R35E	2452' FSL – 1157' FEL	2000 BOPD	2400 MCFD	12500 BWPD
Butters Stotch 8 State Com 124H		I-8-T22S-R35E	2452' FSL – 1058' FEL	2000 BOPD	2400 MCFD	12500 BWPD
Butters Stotch 8 State Com 133H		I-8-T22S-R35E	2452' FSL – 1124' FEL	1400 BOPD	1650 MCFD	7800 BWPD
Butters Stotch 8 State Com 134H		I-8-T22S-R35E	2452' FSL – 1091' FEL	1400 BOPD	1650 MCFD	7800 BWPD
Butters Stotch 17 State Com 111H		N-17-T22S-R35E	209' FSL – 1983' FWL	1600 BOPD	1900 MCFD	11600 BWPD
Butters Stotch 17 State Com 122H		N-17-T22S-R35E	210' FSL – 1950' FWL	2000 BOPD	2400 MCFD	12500 BWPD
Butters Stotch 17 State Com 131H		N-17-T22S-R35E	209' FSL – 2016' FWL	1400 BOPD	1650 MCFD	7800 BWPD
Butters Stotch 17 State Com 132H		N-17-T22S-R35E	209' FSL – 2049' FWL	1400 BOPD	1650 MCFD	7800 BWPD

IV. Central Delivery Point Name: Butters Stotch/Casa Bonita CTB [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Casa Bonita 8 State Com 113H		TBD	TBD	TBD	TBD	TBD
Casa Bonita 8 State Com 114H		TBD	TBD	TBD	TBD	TBD
Casa Bonita 8 State Com 123H		3/11/2024	3/24/2024	5/17/2024	6/12/2024	6/12/2024
Casa Bonita 8 State Com 124H		3/22/2024	4/6/2024	5/23/2024	6/12/2024	6/12/2024
Casa Bonita 8 State Com 133H		TBD	TBD	TBD	TBD	TBD
Casa Bonita 8 State Com 134H		TBD	TBD	TBD	TBD	TBD
Casa Bonita 32 State Com 111H		TBD	TBD	TBD	TBD	TBD
Casa Bonita 32 State Com 112H		TBD	TBD	TBD	TBD	TBD
Casa Bonita 32 State Com 121H		2/26/2024	3/11/2024	5/17/2024	6/2/2024	6/2/2024
Casa Bonita 32 State Com 131H		TBD	TBD	TBD	TBD	TBD
Casa Bonita 32 State Com 132H		TBD	TBD	TBD	TBD	TBD
Butters Stotch 8 State Com 113H		TBD	TBD	TBD	TBD	TBD
Butters Stotch 8 State Com 114H		TBD	TBD	TBD	TBD	TBD
Butters Stotch 8 State Com 123H		3/24/2024	4/7/2024	5/17/2024	6/2/2024	6/2/2024
Butters Stotch 8 State Com 124H		3/3/2024	3/19/2024	5/14/2024	6/2/2024	6/2/2024
Butters Stotch 8 State Com 133H		TBD	TBD	TBD	TBD	TBD
Butters Stotch 8 State Com 134H		TBD	TBD	TBD	TBD	TBD
Butters Stotch 17 State Com 111H		TBD	TBD	TBD	TBD	TBD
Butters Stotch 17 State Com 122H		2/13/2024	2/26/2024	5/17/2024	6/2/2024	6/2/2024
Butters Stotch 17 State Com 131H		TBD	TBD	TBD	TBD	TBD
Butters Stotch 17 State Com 132H		TBD	TBD	TBD	TBD	TBD

VI. Separation Equipment: ☒ Attach a complete description of how Operator will seize separation equipment to optimize gas capture.

VII. Operations Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 3 – Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system.

If Operator checks this box, Operator will select one of the following:

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) Power generation on lease;
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

Section 4 – Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:
 - (a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or
 - (b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, not later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file and update for each Natural Gas Management Plan until the Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.
 - (c) OCD may deny or conditionally approve and APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature:



Printed Name: Tinlee Via

Title: Contract Drilling Engineer

E-mail Address: tinlee.via@permianres.com

Date: 10/24/2023

Phone: 512-755-6018

OIL CONSERVATION DIVISION**(Only applicable when submitted as a standalone form)**

Approved By:

Title:

Approval Date:

Conditions of Approval:

Permian Resources Operating, LLC (372165)

Natural Gas Management Plan Descriptions**VI. Separation Equipment:**

Permian Resources Operating, LLC (Permian) utilizes a production forecast from our Reservoir Engineering team to appropriately size each permanent, 3-phase separator and heater treater utilized for production operations. Our goal is to maintain 5 minutes of retention time in the test vessel and 20 minutes in the heater treater at peak production rates. The gas produced is routed from the separator to the gas sales line.

VII. Operational Practices:*Drilling*

During Permian's drilling operations it is uncommon for venting or flaring to occur. If flaring is needed due to safety concerns, gas will be routed to a flare and volumes will be estimated.

Flowback

During completion/recompletion flowback operations, after separation flowback begins and as soon as it is technically feasible, Permian routes gas through a permanent separator and the controlled facility where the gas is either sold or flared through a high-pressure flare if needed.

Production

Per 19.15.27.8.D, Permian's facilities are designed to minimize waste. Our produced gas will only be vented or flared in an emergency or malfunction situation, except as allowed for normal operations noted in 19.15.27.8.D(2) & (4). All gas that is flared is metered. All gas that may be vented will be estimated.

Performance Standards

Permian utilizes a production forecast from our Reservoir Engineering team to appropriately size each permanent, 3-phase separator and heater treater utilized for production operations.

All of Permian's permanent storage tanks associated with production operations which are routed to a flare or control device are equipped with an automatic gauging system.

All of Permian's flare stacks, both currently installed and for future installation, are:

- 1) Appropriately sized and designed to ensure proper combustion efficiency.
- 2) Equipped with an automatic ignitor or continuous pilot.
- 3) Anchored and located at least 100 feet from the well and storage tanks.

Permian's field operations and HSE teams have implemented an AVO inspection schedule that adheres to the requirements of 19.15.27.8.E(5).

All of our operations and facilities are designed to minimize waste. We routinely employ the following methods and practices:

- Closed-loop systems
- Enclosed and properly sized tanks

Permian Resources Operating, LLC (372165)

- Vapor recovery units to maximize recovery of low-pressure gas streams and potential unauthorized emissions
- Low-emitting or electric engines whenever practical
- Combustors and flare stacks in the event of a malfunction or emergency
- Routine facility inspections to identify leaking components, functioning control devices, such as flares and combustors, and repair / replacement of malfunctioning components where applicable

Measurement or estimation

Permian measures or estimates the volumes of natural gas vented, flared and/or beneficially used for all of our drilling, completing and producing wells. We utilize accepted industry standards and methodology which can be independently verified. Annual GOR testing is completed on our wells and will be submitted as required by the OCD. None of our equipment is designed to allow diversion around metering elements except during inspection, maintenance and repair operations.

VIII. Best Management Practices:

Permian Resources utilizes the following BMPs to minimize venting during active and planned maintenance activities:

- Use a closed-loop process wherever possible during planned maintenance activities, such as blowdowns, liquid removal, and work over operations.
- Employ low-emitting or electric engines for equipment, such as compressors
- Adhere to a strict preventative maintenance program which includes routine facility inspections, identification of component malfunctions, and repairing or replacing components such as hatches, seals, valves, etc. where applicable
- Utilize vapor recovery units (VRU's) to maximize recovery of volumes of low-pressure gas streams and potential unauthorized emissions
- Route low pressure gas and emissions streams to a combustion device to prevent venting where necessary

Enhanced Natural Gas Management Plan

Operator's Plan to Manage Production in Response to Increased Line Pressure

Permian Resources Operating, LLC (Permian) anticipates that its existing wells connected to the same portion of the natural gas gathering system will continue to meet anticipated increases in line pressure caused by the new wells. Permian will actively monitor line pressure throughout the field and will make necessary adjustments to existing production separators' pressures to send gas to sales. Permian also plans to implement automated alarms on all flare meters to alert of flaring events as they occur. The alarms will send notifications to field operations and engineering staff via text message and email at every occurrence of flaring. In addition, Permian plans to implement automated alarms on all flare meters to alert of any continuous flaring event that has continued for at least 4 hours. The alarms will send notifications to field operations and engineering management. Permian personnel will promptly respond to these alarms, communicate with midstream partners, and take the appropriate action to reduce flaring caused by high line pressure from new well production.

NEW MEXICO

(SP) LEA

CASA BONITA PROJECT

CASA BONITA 8 ST COM #124H

OWB

PWP0

Anticollision Report

17 October, 2023

Permian Resources

Anticollision Report

Company:	NEW MEXICO	Local Co-ordinate Reference:	Well CASA BONITA 8 ST COM #124H
Project:	(SP) LEA	TVD Reference:	KB @ 3615.0usft
Reference Site:	CASA BONITA PROJECT	MD Reference:	KB @ 3615.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	CASA BONITA 8 ST COM #124H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	Compass
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Reference	PWP0		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum centre distance of 20,000.0usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program		Date	10/17/2023		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	17,740.2	PWP0 (OWB)	MWD	OWSG_Rev2_ MWD - Standard	

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
BUTTERS STOTCH PROJECT						
BUTTERS STOTCH 8 ST COM #123H - OWB - PWP0	2,656.8	2,624.4	401.2	382.7	21.660	CC
BUTTERS STOTCH 8 ST COM #123H - OWB - PWP0	2,700.0	2,666.4	401.4	382.5	21.319	ES
BUTTERS STOTCH 8 ST COM #123H - OWB - PWP0	9,850.0	9,866.6	1,170.6	1,100.6	16.722	SF
BUTTERS STOTCH 8 ST COM #124H - OWB - PWP0	9,574.6	9,561.4	104.2	36.4	1.538	CC, ES, SF
CASA BONITA PROJECT						
CASA BONITA 32 ST COM #121H - OWB - PWP0	9,900.0	17,868.5	3,650.4	3,477.6	21.127	SF
CASA BONITA 32 ST COM #121H - OWB - PWP0	10,150.0	17,693.0	3,642.2	3,471.1	21.287	ES
CASA BONITA 32 ST COM #121H - OWB - PWP0	10,279.2	17,577.1	3,641.6	3,471.9	21.461	CC
CASA BONITA 8 ST COM #123H - OWB - PWP0	2,000.0	2,000.0	99.0	84.9	7.009	CC, ES
CASA BONITA 8 ST COM #123H - OWB - PWP0	17,740.2	17,871.6	1,155.1	891.1	4.376	SF

Offset Design: BUTTERS STOTCH PROJECT - BUTTERS STOTCH 8 ST COM #123H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program:	0-MWD												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Offset 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)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	-167.08	-410.4	-94.1	421.2					
100.0	100.0	88.0	88.0	0.3	0.2	-167.08	-410.4	-94.1	421.0	420.5	0.47	892.465		
200.0	200.0	188.0	188.0	0.6	0.6	-167.08	-410.4	-94.1	421.0	419.8	1.18	358.075		
300.0	300.0	288.0	288.0	1.0	0.9	-167.08	-410.4	-94.1	421.0	419.1	1.89	222.440		
400.0	400.0	388.0	388.0	1.3	1.3	-167.08	-410.4	-94.1	421.0	418.4	2.61	161.330		
500.0	500.0	488.0	488.0	1.7	1.6	-167.08	-410.4	-94.1	421.0	417.7	3.33	126.561		
600.0	600.0	588.0	588.0	2.0	2.0	-167.08	-410.4	-94.1	421.0	417.0	4.04	104.121		
700.0	700.0	688.0	688.0	2.4	2.4	-167.08	-410.4	-94.1	421.0	416.3	4.76	88.440		
800.0	800.0	788.0	788.0	2.8	2.7	-167.08	-410.4	-94.1	421.0	415.5	5.48	76.864		
900.0	900.0	888.0	888.0	3.1	3.1	-167.08	-410.4	-94.1	421.0	414.8	6.19	67.968		
1,000.0	1,000.0	988.0	988.0	3.5	3.4	-167.08	-410.4	-94.1	421.0	414.1	6.91	60.917		
1,100.0	1,100.0	1,088.0	1,088.0	3.8	3.8	-167.08	-410.4	-94.1	421.0	413.4	7.63	55.192		
1,200.0	1,200.0	1,188.0	1,188.0	4.2	4.2	-167.08	-410.4	-94.1	421.0	412.7	8.35	50.450		
1,300.0	1,300.0	1,288.0	1,288.0	4.6	4.5	-167.08	-410.4	-94.1	421.0	412.0	9.06	46.459		
1,400.0	1,400.0	1,388.0	1,388.0	4.9	4.9	-167.08	-410.4	-94.1	421.0	411.2	9.78	43.053		
1,500.0	1,500.0	1,488.0	1,488.0	5.3	5.2	-167.08	-410.4	-94.1	421.0	410.5	10.50	40.112		
1,600.0	1,600.0	1,588.0	1,588.0	5.6	5.6	-167.08	-410.4	-94.1	421.0	409.8	11.21	37.548		

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

Permian Resources

Anticollision Report

Company:	NEW MEXICO	Local Co-ordinate Reference:	Well CASA BONITA 8 ST COM #124H
Project:	(SP) LEA	TVD Reference:	KB @ 3615.0usft
Reference Site:	CASA BONITA PROJECT	MD Reference:	KB @ 3615.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	CASA BONITA 8 ST COM #124H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	Compass
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: BUTTERS STOTCH PROJECT - BUTTERS STOTCH 8 ST COM #123H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)				
1,700.0	1,700.0	1,688.0	1,688.0	6.0	5.9	-167.08	-410.4	-94.1	421.0	409.1	11.93	35.291		
1,800.0	1,800.0	1,788.0	1,788.0	6.3	6.3	-167.08	-410.4	-94.1	421.0	408.4	12.65	33.290		
1,900.0	1,900.0	1,888.0	1,888.0	6.7	6.7	-167.08	-410.4	-94.1	421.0	407.7	13.36	31.504		
2,000.0	2,000.0	1,988.0	1,988.0	7.1	7.0	-167.08	-410.4	-94.1	421.0	406.9	14.08	29.900		
2,100.0	2,100.0	2,086.7	2,086.6	7.4	7.4	36.10	-410.2	-95.4	419.7	405.0	14.77	28.420		
2,200.0	2,199.8	2,184.6	2,184.5	7.7	7.7	37.19	-409.6	-100.0	416.1	400.6	15.43	26.958		
2,250.0	2,249.7	2,233.3	2,233.0	7.9	7.9	38.03	-409.2	-103.6	413.5	397.7	15.77	26.221		
2,300.0	2,299.5	2,281.7	2,281.2	8.1	8.0	38.99	-408.6	-107.9	410.7	394.6	16.10	25.507		
2,400.0	2,399.1	2,377.7	2,376.7	8.4	8.4	41.27	-407.2	-118.8	406.0	389.3	16.77	24.211		
2,500.0	2,498.7	2,472.7	2,470.5	8.7	8.7	43.99	-405.5	-132.7	402.9	385.4	17.44	23.097		
2,600.0	2,598.4	2,569.1	2,565.5	9.1	9.1	47.11	-403.4	-149.2	401.5	383.3	18.13	22.144		
2,656.8	2,654.9	2,624.4	2,620.0	9.3	9.3	48.92	-402.2	-158.8	401.2	382.7	18.52	21.660 CC		
2,700.0	2,698.0	2,666.4	2,661.4	9.4	9.5	50.29	-401.3	-166.0	401.4	382.5	18.83	21.319 ES		
2,800.0	2,797.6	2,763.8	2,757.2	9.8	9.8	53.46	-399.2	-182.8	402.6	383.0	19.53	20.614		
2,900.0	2,897.2	2,861.1	2,853.1	10.1	10.2	56.61	-397.1	-199.5	405.1	384.8	20.24	20.018		
3,000.0	2,996.8	2,958.5	2,949.0	10.5	10.6	59.70	-394.9	-216.3	408.8	387.9	20.95	19.520		
3,100.0	3,096.4	3,055.8	3,044.8	10.8	11.0	62.74	-392.8	-233.1	413.9	392.2	21.66	19.111		
3,200.0	3,196.1	3,153.2	3,140.7	11.2	11.4	65.70	-390.7	-249.8	420.0	397.7	22.37	18.781		
3,300.0	3,295.7	3,250.5	3,236.6	11.5	11.8	68.56	-388.6	-266.6	427.4	404.3	23.08	18.520		
3,400.0	3,395.3	3,347.9	3,332.5	11.9	12.2	71.33	-386.5	-283.4	435.8	412.0	23.79	18.321		
3,500.0	3,494.9	3,445.2	3,428.3	12.3	12.6	74.00	-384.3	-300.2	445.2	420.7	24.49	18.175		
3,600.0	3,594.5	3,542.6	3,524.2	12.6	13.0	76.55	-382.2	-316.9	455.6	430.4	25.20	18.076		
3,700.0	3,694.2	3,639.9	3,620.1	13.0	13.4	78.99	-380.1	-333.7	466.8	440.9	25.91	18.018		
3,800.0	3,793.8	3,737.3	3,715.9	13.4	13.8	81.31	-378.0	-350.5	478.9	452.3	26.62	17.994		
3,900.0	3,893.4	3,834.6	3,811.8	13.7	14.2	83.52	-375.9	-367.2	491.8	464.5	27.32	17.999		
4,000.0	3,993.0	3,932.0	3,907.7	14.1	14.6	85.62	-373.8	-384.0	505.4	477.3	28.03	18.030		
4,069.1	4,061.9	3,999.2	3,973.9	14.4	14.9	87.01	-372.3	-395.6	515.1	486.6	28.52	18.064		
4,100.0	4,092.7	4,029.3	4,003.6	14.5	15.0	87.69	-371.6	-400.8	519.6	490.9	28.74	18.082		
4,200.0	4,192.5	4,127.1	4,099.9	14.8	15.4	89.58	-369.5	-417.6	534.5	505.0	29.44	18.154		
4,300.0	4,292.4	4,225.4	4,196.6	15.2	15.9	91.04	-367.4	-434.6	549.6	519.5	30.14	18.234		
4,319.1	4,311.5	4,244.2	4,215.1	15.3	16.0	-111.57	-367.0	-437.8	552.6	522.3	30.28	18.250		
4,400.0	4,392.4	4,323.8	4,293.6	15.5	16.3	-110.89	-365.2	-451.5	565.0	534.1	30.84	18.318		
4,500.0	4,492.4	4,422.3	4,390.6	15.9	16.7	-110.08	-363.1	-468.5	580.4	548.8	31.54	18.401		
4,600.0	4,592.4	4,520.8	4,487.6	16.2	17.1	-109.32	-361.0	-485.5	595.9	563.7	32.24	18.484		
4,700.0	4,692.4	4,619.3	4,584.6	16.6	17.6	-108.60	-358.8	-502.4	611.5	578.6	32.94	18.566		
4,800.0	4,792.4	4,717.8	4,681.5	16.9	18.0	-107.91	-356.7	-519.4	627.3	593.6	33.64	18.646		
4,900.0	4,892.4	4,816.2	4,778.5	17.2	18.4	-107.25	-354.5	-536.4	643.1	608.7	34.34	18.725		
5,000.0	4,992.4	4,914.7	4,875.5	17.6	18.9	-106.63	-352.4	-553.3	659.0	623.9	35.05	18.803		
5,100.0	5,092.4	5,013.2	4,972.5	17.9	19.3	-106.04	-350.2	-570.3	674.9	639.2	35.75	18.879		
5,200.0	5,192.4	5,111.7	5,069.5	18.3	19.7	-105.47	-348.1	-587.3	691.0	654.5	36.45	18.954		
5,300.0	5,292.4	5,210.2	5,166.5	18.6	20.2	-104.93	-346.0	-604.2	707.0	669.9	37.16	19.028		
5,400.0	5,392.4	5,308.7	5,263.4	19.0	20.6	-104.41	-343.8	-621.2	723.2	685.3	37.86	19.099		
5,500.0	5,492.4	5,407.1	5,360.4	19.3	21.0	-103.92	-341.7	-638.2	739.4	700.8	38.57	19.170		
5,600.0	5,592.4	5,505.6	5,457.4	19.7	21.5	-103.44	-339.5	-655.1	755.7	716.4	39.28	19.238		
5,700.0	5,692.4	5,604.1	5,554.4	20.0	21.9	-102.99	-337.4	-672.1	772.0	732.0	39.99	19.306		
5,800.0	5,792.4	5,702.6	5,651.4	20.4	22.3	-102.55	-335.2	-689.1	788.3	747.6	40.69	19.371		
5,900.0	5,892.4	5,801.1	5,748.4	20.7	22.8	-102.14	-333.1	-706.0	804.7	763.3	41.40	19.435		
6,000.0	5,992.4	5,899.5	5,845.4	21.1	23.2	-101.74	-331.0	-723.0	821.1	779.0	42.11	19.498		
6,100.0	6,092.4	5,998.0	5,942.3	21.4	23.6	-101.35	-328.8	-740.0	837.6	794.8	42.82	19.559		
6,200.0	6,192.4	6,096.5	6,039.3	21.8	24.1	-100.98	-326.7	-756.9	854.1	810.6	43.53	19.619		
6,300.0	6,292.4	6,195.0	6,136.3	22.1	24.5	-100.63	-324.5	-773.9	870.6	826.4	44.25	19.678		
6,400.0	6,392.4	6,293.5	6,233.3	22.5	25.0	-100.28	-322.4	-790.9	887.2	842.3	44.96	19.735		

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

Permian Resources

Anticollision Report

Company:	NEW MEXICO	Local Co-ordinate Reference:	Well CASA BONITA 8 ST COM #124H
Project:	(SP) LEA	TVD Reference:	KB @ 3615.0usft
Reference Site:	CASA BONITA PROJECT	MD Reference:	KB @ 3615.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	CASA BONITA 8 ST COM #124H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	Compass
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: BUTTERS STOTCH PROJECT - BUTTERS STOTCH 8 ST COM #123H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Rule Assigned: Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
+N/-S (usft)	+E/-W (usft)													
6,500.0	6,492.4	6,391.9	6,330.3	22.8	25.4	-99.95	-320.2	-807.8	903.8	858.2	45.67	19.790		
6,600.0	6,592.4	6,490.4	6,427.3	23.2	25.8	-99.63	-318.1	-824.8	920.4	874.1	46.38	19.845		
6,700.0	6,692.4	6,588.9	6,524.2	23.5	26.3	-99.33	-316.0	-841.8	937.1	890.0	47.10	19.898		
6,800.0	6,792.4	6,687.4	6,621.2	23.9	26.7	-99.03	-313.8	-858.7	953.8	906.0	47.81	19.950		
6,900.0	6,892.4	6,785.9	6,718.2	24.2	27.1	-98.75	-311.7	-875.7	970.5	922.0	48.52	20.000		
7,000.0	6,992.4	6,884.3	6,815.2	24.6	27.6	-98.47	-309.5	-892.7	987.2	938.0	49.24	20.050		
7,100.0	7,092.4	6,982.8	6,912.2	24.9	28.0	-98.20	-307.4	-909.6	1,004.0	954.0	49.95	20.098		
7,200.0	7,192.4	7,081.3	7,009.2	25.3	28.5	-97.94	-305.3	-926.6	1,020.7	970.1	50.67	20.146		
7,300.0	7,292.4	7,179.8	7,106.2	25.6	28.9	-97.69	-303.1	-943.6	1,037.5	986.1	51.38	20.192		
7,400.0	7,392.4	7,278.3	7,203.1	26.0	29.3	-97.45	-301.0	-960.5	1,054.3	1,002.2	52.10	20.237		
7,500.0	7,492.4	7,376.7	7,300.1	26.3	29.8	-97.22	-298.8	-977.5	1,071.2	1,018.3	52.82	20.281		
7,600.0	7,592.4	7,475.2	7,397.1	26.7	30.2	-96.99	-296.7	-994.5	1,088.0	1,034.5	53.53	20.324		
7,700.0	7,692.4	7,573.7	7,494.1	27.0	30.7	-96.77	-294.5	-1,011.4	1,104.9	1,050.6	54.25	20.366		
7,800.0	7,792.4	7,672.2	7,591.1	27.4	31.1	-96.55	-292.4	-1,028.4	1,121.7	1,066.8	54.97	20.407		
7,900.0	7,892.4	7,786.7	7,703.9	27.8	31.6	-96.32	-289.9	-1,047.8	1,138.4	1,082.6	55.81	20.399		
8,000.0	7,992.4	7,949.0	7,864.8	28.1	32.3	-96.07	-287.3	-1,069.0	1,151.2	1,094.3	56.93	20.223		
8,100.0	8,092.4	8,113.2	8,028.5	28.5	32.9	-95.93	-285.7	-1,081.1	1,158.5	1,100.6	57.90	20.008		
8,200.0	8,192.4	8,265.2	8,180.4	28.8	33.4	-95.89	-285.4	-1,084.1	1,160.3	1,101.6	58.71	19.764		
8,300.0	8,292.4	8,365.2	8,280.4	29.2	33.7	-95.89	-285.4	-1,084.1	1,160.3	1,100.9	59.40	19.535		
8,400.0	8,392.4	8,465.2	8,380.4	29.5	34.0	-95.89	-285.4	-1,084.1	1,160.3	1,100.2	60.09	19.311		
8,500.0	8,492.4	8,565.2	8,480.4	29.9	34.3	-95.89	-285.4	-1,084.1	1,160.3	1,099.5	60.78	19.091		
8,600.0	8,592.4	8,665.2	8,580.4	30.2	34.6	-95.89	-285.4	-1,084.1	1,160.3	1,098.8	61.47	18.877		
8,700.0	8,692.4	8,765.2	8,680.4	30.6	34.9	-95.89	-285.4	-1,084.1	1,160.3	1,098.1	62.16	18.667		
8,800.0	8,792.4	8,865.2	8,780.4	30.9	35.3	-95.89	-285.4	-1,084.1	1,160.3	1,097.4	62.85	18.461		
8,900.0	8,892.4	8,965.2	8,880.4	31.3	35.6	-95.89	-285.4	-1,084.1	1,160.3	1,096.8	63.54	18.260		
9,000.0	8,992.4	9,065.2	8,980.4	31.6	35.9	-95.89	-285.4	-1,084.1	1,160.3	1,096.1	64.24	18.063		
9,100.0	9,092.4	9,165.2	9,080.4	32.0	36.2	-95.89	-285.4	-1,084.1	1,160.3	1,095.4	64.93	17.870		
9,200.0	9,192.4	9,265.2	9,180.4	32.4	36.5	-95.89	-285.4	-1,084.1	1,160.3	1,094.7	65.62	17.681		
9,300.0	9,292.4	9,365.2	9,280.4	32.7	36.8	-95.89	-285.4	-1,084.1	1,160.3	1,094.0	66.32	17.496		
9,400.0	9,392.4	9,465.2	9,380.4	33.1	37.1	-95.89	-285.4	-1,084.1	1,160.3	1,093.3	67.01	17.314		
9,500.0	9,492.4	9,565.2	9,480.4	33.4	37.5	-95.89	-285.4	-1,084.1	1,160.3	1,092.6	67.71	17.136		
9,574.6	9,567.0	9,639.8	9,555.0	33.7	37.7	-95.89	-285.4	-1,084.1	1,160.3	1,092.1	68.23	17.006		
9,600.0	9,592.4	9,665.2	9,580.4	33.8	37.8	-95.58	-285.4	-1,084.1	1,160.3	1,091.9	68.41	16.963		
9,650.0	9,642.2	9,715.0	9,630.2	33.9	37.9	-95.76	-285.4	-1,084.1	1,160.8	1,092.0	68.75	16.883		
9,700.0	9,691.4	9,764.2	9,679.4	34.1	38.1	-96.09	-285.4	-1,084.1	1,161.7	1,092.6	69.10	16.813		
9,750.0	9,739.7	9,800.0	9,715.2	34.3	38.2	-96.42	-286.5	-1,084.1	1,163.4	1,094.0	69.41	16.760		
9,800.0	9,786.7	9,836.6	9,751.6	34.4	38.3	-96.92	-290.4	-1,084.1	1,166.3	1,096.5	69.72	16.728		
9,850.0	9,832.0	9,866.6	9,781.1	34.6	38.4	-97.33	-295.7	-1,084.0	1,170.6	1,100.6	70.00	16.722 SF		
9,900.0	9,875.2	9,891.9	9,805.8	34.7	38.5	-97.57	-301.5	-1,084.0	1,176.7	1,106.4	70.26	16.747		
9,950.0	9,916.1	9,912.7	9,825.7	34.8	38.5	-97.54	-307.3	-1,083.9	1,184.8	1,114.3	70.50	16.806		
10,000.0	9,954.4	9,925.0	9,837.4	35.0	38.5	-97.01	-311.2	-1,083.9	1,195.0	1,124.3	70.68	16.907		
10,050.0	9,989.7	9,941.5	9,852.9	35.1	38.6	-96.46	-316.8	-1,083.9	1,207.5	1,136.6	70.87	17.037		
10,100.0	10,021.8	9,950.0	9,860.8	35.2	38.6	-95.33	-319.9	-1,083.8	1,222.1	1,151.1	71.02	17.208		
10,150.0	10,050.5	9,956.2	9,866.6	35.4	38.6	-93.84	-322.3	-1,083.8	1,239.0	1,167.8	71.15	17.414		
10,200.0	10,075.4	9,959.4	9,869.5	35.5	38.6	-91.97	-323.5	-1,083.8	1,257.8	1,186.5	71.26	17.650		
10,250.0	10,096.5	9,960.1	9,870.2	35.6	38.6	-89.74	-323.8	-1,083.8	1,278.4	1,207.0	71.37	17.913		
10,300.0	10,113.6	9,958.9	9,869.0	35.8	38.6	-87.20	-323.3	-1,083.8	1,300.6	1,229.1	71.47	18.198		
10,350.0	10,126.5	9,950.0	9,860.8	35.9	38.6	-84.11	-319.9	-1,083.8	1,324.2	1,252.6	71.53	18.512		
10,400.0	10,135.1	9,950.0	9,860.8	36.1	38.6	-81.32	-319.9	-1,083.8	1,348.7	1,277.0	71.68	18.815		
10,450.0	10,139.4	9,950.0	9,860.8	36.2	38.6	-78.42	-319.9	-1,083.8	1,374.1	1,302.2	71.86	19.122		
10,474.6	10,140.0	9,950.0	9,860.8	36.3	38.6	-76.97	-319.9	-1,083.8	1,386.8	1,314.8	71.95	19.273		
10,500.0	10,140.0	9,939.0	9,850.5	36.4	38.6	-76.49	-315.9	-1,083.9	1,400.0	1,328.1	71.96	19.455		

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

Permian Resources

Anticollision Report

Company:	NEW MEXICO	Local Co-ordinate Reference:	Well CASA BONITA 8 ST COM #124H
Project:	(SP) LEA	TVD Reference:	KB @ 3615.0usft
Reference Site:	CASA BONITA PROJECT	MD Reference:	KB @ 3615.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	CASA BONITA 8 ST COM #124H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	Compass
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: BUTTERS STOTCH PROJECT - BUTTERS STOTCH 8 ST COM #123H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
10,600.0	10,140.0	9,925.0	9,837.4	36.8	38.5	-75.88	-311.2	-1,083.9	1,455.3	1,383.0	72.26	20.141		
10,700.0	10,140.0	9,915.9	9,828.7	37.2	38.5	-75.47	-308.3	-1,083.9	1,514.9	1,442.3	72.59	20.868		
10,800.0	10,140.0	9,900.0	9,813.5	37.7	38.5	-74.77	-303.7	-1,084.0	1,578.5	1,505.6	72.88	21.660		
10,900.0	10,140.0	9,900.0	9,813.5	38.3	38.5	-74.77	-303.7	-1,084.0	1,645.4	1,572.2	73.27	22.458		
11,000.0	10,140.0	9,890.7	9,804.6	38.9	38.5	-74.35	-301.2	-1,084.0	1,715.5	1,641.9	73.57	23.317		
11,100.0	10,140.0	9,875.0	9,789.3	39.6	38.4	-73.66	-297.5	-1,084.0	1,788.4	1,714.6	73.82	24.228		
11,200.0	10,140.0	9,875.0	9,789.3	40.4	38.4	-73.66	-297.5	-1,084.0	1,863.6	1,789.5	74.15	25.134		
11,300.0	10,140.0	9,875.0	9,789.3	41.2	38.4	-73.66	-297.5	-1,084.0	1,941.0	1,866.6	74.46	26.070		
11,400.0	10,140.0	9,875.0	9,789.3	42.0	38.4	-73.66	-297.5	-1,084.0	2,020.5	1,945.7	74.74	27.033		
11,500.0	10,140.0	9,863.3	9,777.9	42.9	38.4	-73.14	-295.0	-1,084.1	2,101.5	2,026.5	74.94	28.044		
11,600.0	10,140.0	9,850.0	9,764.8	43.9	38.3	-72.54	-292.5	-1,084.1	2,184.2	2,109.1	75.11	29.080		
11,700.0	10,140.0	9,850.0	9,764.8	44.9	38.3	-72.54	-292.5	-1,084.1	2,268.1	2,192.7	75.34	30.105		
11,800.0	10,140.0	9,850.0	9,764.8	45.9	38.3	-72.54	-292.5	-1,084.1	2,353.3	2,277.7	75.55	31.147		
11,900.0	10,140.0	9,850.0	9,764.8	47.0	38.3	-72.54	-292.5	-1,084.1	2,439.6	2,363.8	75.75	32.205		
12,000.0	10,140.0	9,850.0	9,764.8	48.0	38.3	-72.54	-292.5	-1,084.1	2,526.9	2,450.9	75.93	33.277		
12,100.0	10,140.0	9,850.0	9,764.8	49.2	38.3	-72.54	-292.5	-1,084.1	2,615.1	2,539.0	76.10	34.362		
12,200.0	10,140.0	9,850.0	9,764.8	50.3	38.3	-72.54	-292.5	-1,084.1	2,704.1	2,627.8	76.26	35.458		
12,300.0	10,140.0	9,838.0	9,753.0	51.5	38.3	-72.01	-290.6	-1,084.1	2,793.7	2,717.4	76.36	36.585		
12,400.0	10,140.0	9,835.7	9,750.7	52.7	38.3	-71.91	-290.3	-1,084.1	2,884.1	2,807.6	76.49	37.704		
12,500.0	10,140.0	9,825.0	9,740.1	53.9	38.3	-71.44	-288.8	-1,084.1	2,975.2	2,898.6	76.59	38.848		
12,600.0	10,140.0	9,825.0	9,740.1	55.2	38.3	-71.44	-288.8	-1,084.1	3,066.7	2,990.0	76.71	39.976		
12,700.0	10,140.0	9,825.0	9,740.1	56.5	38.3	-71.44	-288.8	-1,084.1	3,158.7	3,081.9	76.83	41.111		
12,800.0	10,140.0	9,825.0	9,740.1	57.8	38.3	-71.44	-288.8	-1,084.1	3,251.2	3,174.3	76.95	42.252		
12,900.0	10,140.0	9,825.0	9,740.1	59.1	38.3	-71.44	-288.8	-1,084.1	3,344.1	3,267.1	77.06	43.398		
13,000.0	10,140.0	9,825.0	9,740.1	60.4	38.3	-71.44	-288.8	-1,084.1	3,437.5	3,360.3	77.16	44.548		
13,100.0	10,140.0	9,825.0	9,740.1	61.7	38.3	-71.44	-288.8	-1,084.1	3,531.1	3,453.9	77.26	45.703		
13,200.0	10,140.0	9,825.0	9,740.1	63.1	38.3	-71.44	-288.8	-1,084.1	3,625.2	3,547.8	77.36	46.862		
13,300.0	10,140.0	9,825.0	9,740.1	64.5	38.3	-71.44	-288.8	-1,084.1	3,719.5	3,642.0	77.45	48.024		
13,400.0	10,140.0	9,825.0	9,740.1	65.8	38.3	-71.44	-288.8	-1,084.1	3,814.1	3,736.6	77.54	49.189		
13,500.0	10,140.0	9,825.0	9,740.1	67.2	38.3	-71.44	-288.8	-1,084.1	3,909.0	3,831.4	77.63	50.357		
13,600.0	10,140.0	9,825.0	9,740.1	68.6	38.3	-71.44	-288.8	-1,084.1	4,004.2	3,926.4	77.71	51.526		
13,700.0	10,140.0	9,825.0	9,740.1	70.1	38.3	-71.44	-288.8	-1,084.1	4,099.5	4,021.7	77.79	52.698		
13,800.0	10,140.0	9,825.0	9,740.1	71.5	38.3	-71.44	-288.8	-1,084.1	4,195.1	4,117.2	77.87	53.872		
13,900.0	10,140.0	9,813.5	9,728.7	72.9	38.2	-70.93	-287.6	-1,084.1	4,290.8	4,212.8	77.92	55.068		
14,000.0	10,140.0	9,812.5	9,727.7	74.4	38.2	-70.88	-287.5	-1,084.1	4,386.7	4,308.7	77.99	56.246		
14,100.0	10,140.0	9,811.6	9,726.8	75.8	38.2	-70.84	-287.4	-1,084.1	4,482.8	4,404.8	78.06	57.424		
14,200.0	10,140.0	9,800.0	9,715.2	77.3	38.2	-70.33	-286.5	-1,084.1	4,579.3	4,501.1	78.11	58.628		
14,300.0	10,140.0	9,800.0	9,715.2	78.8	38.2	-70.33	-286.5	-1,084.1	4,675.7	4,597.5	78.18	59.806		
14,400.0	10,140.0	9,800.0	9,715.2	80.2	38.2	-70.33	-286.5	-1,084.1	4,772.2	4,694.0	78.25	60.984		
14,500.0	10,140.0	9,800.0	9,715.2	81.7	38.2	-70.33	-286.5	-1,084.1	4,869.0	4,790.6	78.33	62.163		
14,600.0	10,140.0	9,800.0	9,715.2	83.2	38.2	-70.33	-286.5	-1,084.1	4,965.8	4,887.4	78.40	63.341		
14,700.0	10,140.0	9,800.0	9,715.2	84.7	38.2	-70.33	-286.5	-1,084.1	5,062.8	4,984.3	78.47	64.520		
14,800.0	10,140.0	9,800.0	9,715.2	86.2	38.2	-70.33	-286.5	-1,084.1	5,159.8	5,081.3	78.54	65.698		
14,900.0	10,140.0	9,800.0	9,715.2	87.7	38.2	-70.33	-286.5	-1,084.1	5,257.0	5,178.4	78.61	66.877		
15,000.0	10,140.0	9,800.0	9,715.2	89.2	38.2	-70.33	-286.5	-1,084.1	5,354.3	5,275.6	78.68	68.054		
15,100.0	10,140.0	9,800.0	9,715.2	90.7	38.2	-70.33	-286.5	-1,084.1	5,451.7	5,373.0	78.75	69.231		
15,200.0	10,140.0	9,800.0	9,715.2	92.3	38.2	-70.33	-286.5	-1,084.1	5,549.2	5,470.4	78.81	70.408		
15,300.0	10,140.0	9,800.0	9,715.2	93.8	38.2	-70.33	-286.5	-1,084.1	5,646.8	5,567.9	78.88	71.584		
15,400.0	10,140.0	9,800.0	9,715.2	95.3	38.2	-70.33	-286.5	-1,084.1	5,744.4	5,665.5	78.95	72.758		
15,500.0	10,140.0	9,800.0	9,715.2	96.8	38.2	-70.33	-286.5	-1,084.1	5,842.1	5,763.1	79.02	73.932		
15,600.0	10,140.0	9,800.0	9,715.2	98.4	38.2	-70.33	-286.5	-1,084.1	5,940.0	5,860.9	79.09	75.105		
15,700.0	10,140.0	9,800.0	9,715.2	99.9	38.2	-70.33	-286.5	-1,084.1	6,037.8	5,958.7	79.16	76.277		

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

Permian Resources

Anticollision Report

Company:	NEW MEXICO	Local Co-ordinate Reference:	Well CASA BONITA 8 ST COM #124H
Project:	(SP) LEA	TVD Reference:	KB @ 3615.0usft
Reference Site:	CASA BONITA PROJECT	MD Reference:	KB @ 3615.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	CASA BONITA 8 ST COM #124H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	Compass
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: BUTTERS STOTCH PROJECT - BUTTERS STOTCH 8 ST COM #123H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
15,800.0	10,140.0	9,800.0	9,715.2	101.5	38.2	-70.33	-286.5	-1,084.1	6,135.8	6,056.6	79.23	77.447		
15,900.0	10,140.0	9,800.0	9,715.2	103.0	38.2	-70.33	-286.5	-1,084.1	6,233.8	6,154.5	79.29	78.616		
16,000.0	10,140.0	9,800.0	9,715.2	104.6	38.2	-70.33	-286.5	-1,084.1	6,331.9	6,252.5	79.36	79.784		
16,100.0	10,140.0	9,800.0	9,715.2	106.1	38.2	-70.33	-286.5	-1,084.1	6,430.0	6,350.6	79.43	80.950		
16,200.0	10,140.0	9,800.0	9,715.2	107.7	38.2	-70.33	-286.5	-1,084.1	6,528.2	6,448.7	79.50	82.115		
16,300.0	10,140.0	9,800.0	9,715.2	109.2	38.2	-70.33	-286.5	-1,084.1	6,626.5	6,546.9	79.57	83.278		
16,400.0	10,140.0	9,800.0	9,715.2	110.8	38.2	-70.33	-286.5	-1,084.1	6,724.8	6,645.1	79.64	84.439		
16,500.0	10,140.0	9,800.0	9,715.2	112.4	38.2	-70.33	-286.5	-1,084.1	6,823.1	6,743.4	79.71	85.599		
16,600.0	10,140.0	9,800.0	9,715.2	113.9	38.2	-70.33	-286.5	-1,084.1	6,921.5	6,841.7	79.78	86.757		
16,700.0	10,140.0	9,800.0	9,715.2	115.5	38.2	-70.33	-286.5	-1,084.1	7,019.9	6,940.1	79.85	87.913		
16,800.0	10,140.0	9,800.0	9,715.2	117.1	38.2	-70.33	-286.5	-1,084.1	7,118.4	7,038.5	79.92	89.067		
16,900.0	10,140.0	9,800.0	9,715.2	118.6	38.2	-70.33	-286.5	-1,084.1	7,216.9	7,136.9	79.99	90.219		
17,000.0	10,140.0	9,800.0	9,715.2	120.2	38.2	-70.33	-286.5	-1,084.1	7,315.5	7,235.4	80.07	91.369		
17,100.0	10,140.0	9,800.0	9,715.2	121.8	38.2	-70.33	-286.5	-1,084.1	7,414.1	7,334.0	80.14	92.517		
17,200.0	10,140.0	9,800.0	9,715.2	123.4	38.2	-70.33	-286.5	-1,084.1	7,512.8	7,432.5	80.21	93.663		
17,300.0	10,140.0	9,800.0	9,715.2	125.0	38.2	-70.33	-286.5	-1,084.1	7,611.4	7,531.1	80.28	94.807		
17,400.0	10,140.0	9,800.0	9,715.2	126.5	38.2	-70.33	-286.5	-1,084.1	7,710.1	7,629.8	80.36	95.949		
17,500.0	10,140.0	9,800.0	9,715.2	128.1	38.2	-70.33	-286.5	-1,084.1	7,808.9	7,728.5	80.43	97.089		
17,600.0	10,140.0	9,800.0	9,715.2	129.7	38.2	-70.33	-286.5	-1,084.1	7,907.7	7,827.2	80.50	98.226		
17,700.0	10,140.0	9,800.0	9,715.2	131.3	38.2	-70.33	-286.5	-1,084.1	8,006.5	7,925.9	80.58	99.361		
17,740.2	10,140.0	9,800.0	9,715.2	131.9	38.2	-70.33	-286.5	-1,084.1	8,046.2	7,965.6	80.61	99.816		

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

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COMPASS 5000.17 Build 03

Permian Resources

Anticollision Report

Company:	NEW MEXICO	Local Co-ordinate Reference:	Well CASA BONITA 8 ST COM #124H
Project:	(SP) LEA	TVD Reference:	KB @ 3615.0usft
Reference Site:	CASA BONITA PROJECT	MD Reference:	KB @ 3615.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	CASA BONITA 8 ST COM #124H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	Compass
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: BUTTERS STOTCH PROJECT - BUTTERS STOTCH 8 ST COM #124H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
0.0	0.0	0.0	0.0	0.0	0.0	179.32	-409.1	4.8	409.3					
100.0	100.0	88.0	88.0	0.3	0.2	179.32	-409.1	4.8	409.1	408.6	0.47	867.217		
200.0	200.0	188.0	188.0	0.6	0.6	179.32	-409.1	4.8	409.1	407.9	1.18	347.945		
300.0	300.0	288.0	288.0	1.0	0.9	179.32	-409.1	4.8	409.1	407.2	1.89	216.147		
400.0	400.0	388.0	388.0	1.3	1.3	179.32	-409.1	4.8	409.1	406.5	2.61	156.766		
500.0	500.0	488.0	488.0	1.7	1.6	179.32	-409.1	4.8	409.1	405.8	3.33	122.980		
600.0	600.0	588.0	588.0	2.0	2.0	179.32	-409.1	4.8	409.1	405.1	4.04	101.175		
700.0	700.0	688.0	688.0	2.4	2.4	179.32	-409.1	4.8	409.1	404.3	4.76	85.938		
800.0	800.0	788.0	788.0	2.8	2.7	179.32	-409.1	4.8	409.1	403.6	5.48	74.690		
900.0	900.0	888.0	888.0	3.1	3.1	179.32	-409.1	4.8	409.1	402.9	6.19	66.045		
1,000.0	1,000.0	988.0	988.0	3.5	3.4	179.32	-409.1	4.8	409.1	402.2	6.91	59.194		
1,100.0	1,100.0	1,088.0	1,088.0	3.8	3.8	179.32	-409.1	4.8	409.1	401.5	7.63	53.631		
1,200.0	1,200.0	1,188.0	1,188.0	4.2	4.2	179.32	-409.1	4.8	409.1	400.8	8.35	49.023		
1,300.0	1,300.0	1,288.0	1,288.0	4.6	4.5	179.32	-409.1	4.8	409.1	400.0	9.06	45.145		
1,400.0	1,400.0	1,388.0	1,388.0	4.9	4.9	179.32	-409.1	4.8	409.1	399.3	9.78	41.835		
1,500.0	1,500.0	1,488.0	1,488.0	5.3	5.2	179.32	-409.1	4.8	409.1	398.6	10.50	38.977		
1,600.0	1,600.0	1,588.0	1,588.0	5.6	5.6	179.32	-409.1	4.8	409.1	397.9	11.21	36.485		
1,700.0	1,700.0	1,688.0	1,688.0	6.0	5.9	179.32	-409.1	4.8	409.1	397.2	11.93	34.293		
1,800.0	1,800.0	1,788.0	1,788.0	6.3	6.3	179.32	-409.1	4.8	409.1	396.5	12.65	32.349		
1,900.0	1,900.0	1,888.0	1,888.0	6.7	6.7	179.32	-409.1	4.8	409.1	395.7	13.36	30.613		
2,000.0	2,000.0	1,988.0	1,988.0	7.1	7.0	179.32	-409.1	4.8	409.1	395.0	14.08	29.054		
2,100.0	2,100.0	2,100.8	2,100.8	7.4	7.4	22.19	-407.5	5.6	406.1	391.3	14.82	27.403		
2,200.0	2,199.8	2,214.7	2,214.5	7.7	7.8	22.19	-401.8	8.3	396.3	380.8	15.53	25.518		
2,250.0	2,249.7	2,268.5	2,268.1	7.9	8.0	22.18	-397.8	10.2	389.0	373.1	15.88	24.498		
2,300.0	2,299.5	2,317.8	2,317.3	8.1	8.2	22.14	-393.9	12.1	381.0	364.8	16.22	23.495		
2,400.0	2,399.1	2,416.6	2,415.6	8.4	8.6	22.05	-386.1	15.8	365.2	348.3	16.90	21.610		
2,500.0	2,498.7	2,515.3	2,514.0	8.7	8.9	21.95	-378.4	19.5	349.4	331.8	17.58	19.867		
2,600.0	2,598.4	2,614.0	2,612.3	9.1	9.3	21.84	-370.6	23.2	333.5	315.2	18.27	18.252		
2,700.0	2,698.0	2,712.8	2,710.7	9.4	9.6	21.73	-362.8	26.9	317.7	298.7	18.96	16.752		
2,800.0	2,797.6	2,811.5	2,809.1	9.8	10.0	21.59	-355.0	30.6	301.8	282.2	19.66	15.355		
2,900.0	2,897.2	2,910.3	2,907.4	10.1	10.3	21.45	-347.3	34.3	286.0	265.6	20.35	14.052		
3,000.0	2,996.8	3,009.0	3,005.8	10.5	10.7	21.28	-339.5	38.0	270.2	249.1	21.05	12.834		
3,100.0	3,096.4	3,107.7	3,104.1	10.8	11.1	21.10	-331.7	41.7	254.3	232.6	21.75	11.693		
3,200.0	3,196.1	3,206.5	3,202.5	11.2	11.4	20.89	-324.0	45.4	238.5	216.0	22.45	10.623		
3,300.0	3,295.7	3,305.2	3,300.9	11.5	11.8	20.66	-316.2	49.1	222.7	199.5	23.15	9.617		
3,400.0	3,395.3	3,403.9	3,399.2	11.9	12.2	20.38	-308.4	52.7	206.8	183.0	23.86	8.669		
3,500.0	3,494.9	3,502.7	3,497.6	12.3	12.5	20.06	-300.7	56.4	191.0	166.5	24.56	7.777		
3,600.0	3,594.5	3,601.4	3,595.9	12.6	12.9	19.69	-292.9	60.1	175.2	149.9	25.27	6.933		
3,700.0	3,694.2	3,700.1	3,694.3	13.0	13.3	19.24	-285.1	63.8	159.4	133.4	25.98	6.136		
3,800.0	3,793.8	3,797.3	3,791.2	13.4	13.6	18.74	-277.7	67.4	143.8	117.1	26.70	5.386		
3,900.0	3,893.4	3,892.5	3,886.1	13.7	14.0	18.70	-272.6	69.8	130.5	103.1	27.43	4.758		
4,000.0	3,993.0	3,988.3	3,981.9	14.1	14.3	19.41	-270.5	70.8	120.1	92.0	28.14	4.268		
4,069.1	4,061.9	4,056.2	4,049.9	14.4	14.6	20.38	-270.4	70.8	114.3	85.7	28.63	3.994		
4,100.0	4,092.7	4,087.0	4,080.7	14.5	14.7	20.81	-270.4	70.8	112.0	83.1	28.85	3.882		
4,200.0	4,192.5	4,186.9	4,180.5	14.8	15.0	21.90	-270.4	70.8	106.5	76.9	29.55	3.603		
4,300.0	4,292.4	4,286.8	4,280.4	15.2	15.4	22.38	-270.4	70.8	104.2	74.0	30.26	3.445		
4,319.1	4,311.5	4,305.9	4,299.5	15.3	15.4	179.54	-270.4	70.8	104.2	73.8	30.40	3.428		
4,400.0	4,392.4	4,386.8	4,380.4	15.5	15.7	179.54	-270.4	70.8	104.2	73.2	30.96	3.365		
4,500.0	4,492.4	4,486.8	4,480.4	15.9	16.1	179.54	-270.4	70.8	104.2	72.5	31.67	3.290		
4,600.0	4,592.4	4,586.8	4,580.4	16.2	16.4	179.54	-270.4	70.8	104.2	71.8	32.37	3.218		
4,700.0	4,692.4	4,686.8	4,680.4	16.6	16.8	179.54	-270.4	70.8	104.2	71.1	33.08	3.150		
4,800.0	4,792.4	4,786.8	4,780.4	16.9	17.1	179.54	-270.4	70.8	104.2	70.4	33.78	3.084		

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

Permian Resources

Anticollision Report

Company:	NEW MEXICO	Local Co-ordinate Reference:	Well CASA BONITA 8 ST COM #124H
Project:	(SP) LEA	TVD Reference:	KB @ 3615.0usft
Reference Site:	CASA BONITA PROJECT	MD Reference:	KB @ 3615.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	CASA BONITA 8 ST COM #124H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	Compass
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: BUTTERS STOTCH PROJECT - BUTTERS STOTCH 8 ST COM #124H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
4,900.0	4,892.4	4,886.8	4,880.4	17.2	17.5	179.54	-270.4	70.8	104.2	69.7	34.49	3.021		
5,000.0	4,992.4	4,986.8	4,980.4	17.6	17.9	179.54	-270.4	70.8	104.2	69.0	35.19	2.960		
5,100.0	5,092.4	5,086.8	5,080.4	17.9	18.2	179.54	-270.4	70.8	104.2	68.3	35.90	2.902		
5,200.0	5,192.4	5,186.8	5,180.4	18.3	18.6	179.54	-270.4	70.8	104.2	67.6	36.61	2.846		
5,300.0	5,292.4	5,286.8	5,280.4	18.6	18.9	179.54	-270.4	70.8	104.2	66.9	37.31	2.792		
5,400.0	5,392.4	5,386.8	5,380.4	19.0	19.3	179.54	-270.4	70.8	104.2	66.2	38.02	2.740		
5,500.0	5,492.4	5,486.8	5,480.4	19.3	19.6	179.54	-270.4	70.8	104.2	65.5	38.73	2.690		
5,600.0	5,592.4	5,586.8	5,580.4	19.7	20.0	179.54	-270.4	70.8	104.2	64.7	39.44	2.642		
5,700.0	5,692.4	5,686.8	5,680.4	20.0	20.3	179.54	-270.4	70.8	104.2	64.0	40.15	2.595		
5,800.0	5,792.4	5,786.8	5,780.4	20.4	20.7	179.54	-270.4	70.8	104.2	63.3	40.86	2.550		
5,900.0	5,892.4	5,886.8	5,880.4	20.7	21.1	179.54	-270.4	70.8	104.2	62.6	41.56	2.507		
6,000.0	5,992.4	5,986.8	5,980.4	21.1	21.4	179.54	-270.4	70.8	104.2	61.9	42.27	2.464		
6,100.0	6,092.4	6,086.8	6,080.4	21.4	21.8	179.54	-270.4	70.8	104.2	61.2	42.98	2.424		
6,200.0	6,192.4	6,186.8	6,180.4	21.8	22.1	179.54	-270.4	70.8	104.2	60.5	43.69	2.384		
6,300.0	6,292.4	6,286.8	6,280.4	22.1	22.5	179.54	-270.4	70.8	104.2	59.8	44.40	2.346		
6,400.0	6,392.4	6,386.8	6,380.4	22.5	22.8	179.54	-270.4	70.8	104.2	59.1	45.11	2.309		
6,500.0	6,492.4	6,486.8	6,480.4	22.8	23.2	179.54	-270.4	70.8	104.2	58.4	45.82	2.274		
6,600.0	6,592.4	6,586.8	6,580.4	23.2	23.6	179.54	-270.4	70.8	104.2	57.6	46.54	2.239		
6,700.0	6,692.4	6,686.8	6,680.4	23.5	23.9	179.54	-270.4	70.8	104.2	56.9	47.25	2.205		
6,800.0	6,792.4	6,786.8	6,780.4	23.9	24.3	179.54	-270.4	70.8	104.2	56.2	47.96	2.172		
6,900.0	6,892.4	6,886.8	6,880.4	24.2	24.6	179.54	-270.4	70.8	104.2	55.5	48.67	2.141		
7,000.0	6,992.4	6,986.8	6,980.4	24.6	25.0	179.54	-270.4	70.8	104.2	54.8	49.38	2.110		
7,100.0	7,092.4	7,086.8	7,080.4	24.9	25.3	179.54	-270.4	70.8	104.2	54.1	50.09	2.080		
7,200.0	7,192.4	7,186.8	7,180.4	25.3	25.7	179.54	-270.4	70.8	104.2	53.4	50.80	2.051		
7,300.0	7,292.4	7,286.8	7,280.4	25.6	26.0	179.54	-270.4	70.8	104.2	52.7	51.52	2.022		
7,400.0	7,392.4	7,386.8	7,380.4	26.0	26.4	179.54	-270.4	70.8	104.2	52.0	52.23	1.995		
7,500.0	7,492.4	7,486.8	7,480.4	26.3	26.8	179.54	-270.4	70.8	104.2	51.2	52.94	1.968		
7,600.0	7,592.4	7,586.8	7,580.4	26.7	27.1	179.54	-270.4	70.8	104.2	50.5	53.65	1.942		
7,700.0	7,692.4	7,686.8	7,680.4	27.0	27.5	179.54	-270.4	70.8	104.2	49.8	54.37	1.916		
7,800.0	7,792.4	7,786.8	7,780.4	27.4	27.8	179.54	-270.4	70.8	104.2	49.1	55.08	1.892		
7,900.0	7,892.4	7,886.8	7,880.4	27.8	28.2	179.54	-270.4	70.8	104.2	48.4	55.79	1.867		
8,000.0	7,992.4	7,986.8	7,980.4	28.1	28.5	179.54	-270.4	70.8	104.2	47.7	56.50	1.844		
8,100.0	8,092.4	8,086.8	8,080.4	28.5	28.9	179.54	-270.4	70.8	104.2	47.0	57.22	1.821		
8,200.0	8,192.4	8,186.8	8,180.4	28.8	29.3	179.54	-270.4	70.8	104.2	46.3	57.93	1.798		
8,300.0	8,292.4	8,286.8	8,280.4	29.2	29.6	179.54	-270.4	70.8	104.2	45.5	58.64	1.777		
8,400.0	8,392.4	8,386.8	8,380.4	29.5	30.0	179.54	-270.4	70.8	104.2	44.8	59.36	1.755		
8,500.0	8,492.4	8,486.8	8,480.4	29.9	30.3	179.54	-270.4	70.8	104.2	44.1	60.07	1.734		
8,600.0	8,592.4	8,586.8	8,580.4	30.2	30.7	179.54	-270.4	70.8	104.2	43.4	60.78	1.714		
8,700.0	8,692.4	8,686.8	8,680.4	30.6	31.0	179.54	-270.4	70.8	104.2	42.7	61.50	1.694		
8,800.0	8,792.4	8,786.8	8,780.4	30.9	31.4	179.54	-270.4	70.8	104.2	42.0	62.21	1.675		
8,900.0	8,892.4	8,886.8	8,880.4	31.3	31.8	179.54	-270.4	70.8	104.2	41.3	62.92	1.656		
9,000.0	8,992.4	8,986.8	8,980.4	31.6	32.1	179.54	-270.4	70.8	104.2	40.5	63.64	1.637		
9,100.0	9,092.4	9,086.8	9,080.4	32.0	32.5	179.54	-270.4	70.8	104.2	39.8	64.35	1.619		
9,200.0	9,192.4	9,186.8	9,180.4	32.4	32.8	179.54	-270.4	70.8	104.2	39.1	65.06	1.601		
9,300.0	9,292.4	9,286.8	9,280.4	32.7	33.2	179.54	-270.4	70.8	104.2	38.4	65.78	1.584		
9,400.0	9,392.4	9,386.8	9,380.4	33.1	33.5	179.54	-270.4	70.8	104.2	37.7	66.49	1.567		
9,500.0	9,492.4	9,486.8	9,480.4	33.4	33.9	179.54	-270.4	70.8	104.2	37.0	67.21	1.550		
9,574.6	9,567.0	9,561.4	9,555.0	33.7	34.2	179.54	-270.4	70.8	104.2	36.4	67.74	1.538 CC, ES, SF		
9,600.0	9,592.4	9,586.8	9,580.4	33.8	34.3	179.88	-270.4	70.8	104.7	36.8	67.92	1.542		
9,650.0	9,642.2	9,636.6	9,630.2	33.9	34.4	179.88	-270.4	70.8	109.1	40.9	68.27	1.599		
9,700.0	9,691.4	9,684.1	9,677.7	34.1	34.6	179.89	-270.4	70.9	117.9	49.3	68.61	1.719		
9,750.0	9,739.7	9,721.7	9,715.2	34.3	34.7	179.89	-272.5	70.9	133.5	64.8	68.69	1.944		

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

Permian Resources

Anticollision Report

Company:	NEW MEXICO	Local Co-ordinate Reference:	Well CASA BONITA 8 ST COM #124H
Project:	(SP) LEA	TVD Reference:	KB @ 3615.0usft
Reference Site:	CASA BONITA PROJECT	MD Reference:	KB @ 3615.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	CASA BONITA 8 ST COM #124H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	Compass
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: BUTTERS STOTCH PROJECT - BUTTERS STOTCH 8 ST COM #124H - OWB - PWP0													Offset Site Error:	0.0 usft	
Survey Program:		0-MWD												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Rule Assigned:									
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	Warning		
9,800.0	9,786.7	9,755.7	9,748.9	34.4	34.8	179.89	-276.9	70.9	156.6	88.1	68.49	2.286			
9,850.0	9,832.0	9,785.3	9,778.0	34.6	34.9	179.89	-282.6	71.0	186.2	118.0	68.13	2.733			
9,900.0	9,875.2	9,810.3	9,802.2	34.7	35.0	179.89	-288.9	71.0	221.3	153.6	67.68	3.269			
9,950.0	9,916.1	9,830.6	9,821.6	34.8	35.1	179.88	-294.9	71.1	260.8	193.6	67.23	3.879			
10,000.0	9,954.4	9,850.0	9,839.8	35.0	35.1	179.87	-301.4	71.1	303.9	236.9	67.02	4.534			
10,050.0	9,989.7	9,858.6	9,847.9	35.1	35.1	179.85	-304.5	71.2	349.6	283.1	66.49	5.258			
10,100.0	10,021.8	9,867.1	9,855.7	35.2	35.2	179.81	-307.8	71.2	397.2	331.0	66.25	5.996			
10,150.0	10,050.5	9,875.0	9,863.0	35.4	35.2	179.72	-310.9	71.2	446.1	379.9	66.21	6.738			
10,200.0	10,075.4	9,875.0	9,863.0	35.5	35.2	179.36	-310.9	71.2	495.8	429.8	66.02	7.510			
10,250.0	10,096.5	9,875.0	9,863.0	35.6	35.2	1.41	-310.9	71.2	545.8	479.8	66.02	8.268			
10,300.0	10,113.6	9,875.0	9,863.0	35.8	35.2	0.31	-310.9	71.2	595.7	529.5	66.16	9.004			
10,350.0	10,126.5	9,875.0	9,863.0	35.9	35.2	0.17	-310.9	71.2	645.1	578.7	66.41	9.715			
10,400.0	10,135.1	9,866.3	9,855.0	36.1	35.2	0.11	-307.5	71.2	693.8	627.3	66.47	10.438			
10,450.0	10,139.4	9,860.4	9,849.5	36.2	35.1	0.08	-305.2	71.2	741.5	674.8	66.71	11.116			
10,474.6	10,140.0	9,850.0	9,839.8	36.3	35.1	0.06	-301.4	71.1	764.5	697.9	66.64	11.472			
10,500.0	10,140.0	9,850.0	9,839.8	36.4	35.1	0.06	-301.4	71.1	788.2	721.3	66.88	11.785			
10,600.0	10,140.0	9,840.8	9,831.2	36.8	35.1	0.06	-298.2	71.1	881.9	814.4	67.43	13.077			
10,700.0	10,140.0	9,825.0	9,816.2	37.2	35.0	0.05	-293.2	71.1	976.5	908.7	67.73	14.417			
10,800.0	10,140.0	9,825.0	9,816.2	37.7	35.0	0.05	-293.2	71.1	1,071.7	1,003.5	68.22	15.710			
10,900.0	10,140.0	9,811.4	9,803.3	38.3	35.0	0.05	-289.2	71.0	1,167.5	1,099.1	68.40	17.067			
11,000.0	10,140.0	9,800.0	9,792.3	38.9	35.0	0.05	-286.2	71.0	1,263.8	1,195.2	68.58	18.427			
11,100.0	10,140.0	9,800.0	9,792.3	39.6	35.0	0.05	-286.2	71.0	1,360.4	1,291.6	68.86	19.755			
11,200.0	10,140.0	9,800.0	9,792.3	40.4	35.0	0.05	-286.2	71.0	1,457.6	1,388.5	69.10	21.095			
11,300.0	10,140.0	9,785.3	9,778.0	41.2	34.9	0.04	-282.6	71.0	1,554.7	1,485.6	69.15	22.483			
11,400.0	10,140.0	9,775.0	9,767.9	42.0	34.9	0.04	-280.4	70.9	1,652.3	1,583.1	69.24	23.865			
11,500.0	10,140.0	9,775.0	9,767.9	42.9	34.9	0.04	-280.4	70.9	1,750.1	1,680.7	69.40	25.218			
11,600.0	10,140.0	9,775.0	9,767.9	43.9	34.9	0.04	-280.4	70.9	1,848.0	1,778.5	69.54	26.576			
11,700.0	10,140.0	9,775.0	9,767.9	44.9	34.9	0.04	-280.4	70.9	1,946.2	1,876.6	69.66	27.938			
11,800.0	10,140.0	9,764.0	9,757.1	45.9	34.9	0.04	-278.3	70.9	2,044.4	1,974.7	69.70	29.332			
11,900.0	10,140.0	9,760.7	9,753.9	47.0	34.9	0.04	-277.7	70.9	2,142.8	2,073.0	69.78	30.707			
12,000.0	10,140.0	9,750.0	9,743.3	48.0	34.8	0.04	-276.0	70.9	2,241.4	2,171.6	69.81	32.105			
12,100.0	10,140.0	9,750.0	9,743.3	49.2	34.8	0.04	-276.0	70.9	2,340.0	2,270.1	69.91	33.473			
12,200.0	10,140.0	9,750.0	9,743.3	50.3	34.8	0.04	-276.0	70.9	2,438.7	2,368.7	69.99	34.843			
12,300.0	10,140.0	9,750.0	9,743.3	51.5	34.8	0.04	-276.0	70.9	2,537.5	2,467.4	70.07	36.214			
12,400.0	10,140.0	9,750.0	9,743.3	52.7	34.8	0.04	-276.0	70.9	2,636.4	2,566.2	70.14	37.585			
12,500.0	10,140.0	9,750.0	9,743.3	53.9	34.8	0.04	-276.0	70.9	2,735.4	2,665.1	70.21	38.957			
12,600.0	10,140.0	9,750.0	9,743.3	55.2	34.8	0.04	-276.0	70.9	2,834.4	2,764.1	70.28	40.329			
12,700.0	10,140.0	9,750.0	9,743.3	56.5	34.8	0.04	-276.0	70.9	2,933.5	2,863.2	70.35	41.701			
12,800.0	10,140.0	9,750.0	9,743.3	57.8	34.8	0.04	-276.0	70.9	3,032.7	2,962.3	70.41	43.073			
12,900.0	10,140.0	9,737.6	9,731.0	59.1	34.8	0.03	-274.2	70.9	3,131.7	3,061.3	70.42	44.474			
13,000.0	10,140.0	9,735.9	9,729.4	60.4	34.8	0.03	-274.0	70.9	3,230.9	3,160.4	70.47	45.848			
13,100.0	10,140.0	9,725.0	9,718.5	61.7	34.7	0.03	-272.8	70.9	3,330.3	3,259.8	70.49	47.247			
13,200.0	10,140.0	9,725.0	9,718.5	63.1	34.7	0.03	-272.8	70.9	3,429.5	3,359.0	70.54	48.615			
13,300.0	10,140.0	9,725.0	9,718.5	64.5	34.7	0.03	-272.8	70.9	3,528.8	3,458.2	70.60	49.982			
13,400.0	10,140.0	9,725.0	9,718.5	65.8	34.7	0.03	-272.8	70.9	3,628.2	3,557.5	70.66	51.348			
13,500.0	10,140.0	9,725.0	9,718.5	67.2	34.7	0.03	-272.8	70.9	3,727.6	3,656.8	70.72	52.712			
13,600.0	10,140.0	9,725.0	9,718.5	68.6	34.7	0.03	-272.8	70.9	3,827.0	3,756.2	70.77	54.075			
13,700.0	10,140.0	9,725.0	9,718.5	70.1	34.7	0.03	-272.8	70.9	3,926.4	3,855.6	70.83	55.437			
13,800.0	10,140.0	9,725.0	9,718.5	71.5	34.7	0.03	-272.8	70.9	4,025.9	3,955.0	70.88	56.797			
13,900.0	10,140.0	9,725.0	9,718.5	72.9	34.7	0.03	-272.8	70.9	4,125.4	4,054.4	70.94	58.156			
14,000.0	10,140.0	9,725.0	9,718.5	74.4	34.7	0.03	-272.8	70.9	4,224.9	4,153.9	70.99	59.513			
14,100.0	10,140.0	9,725.0	9,718.5	75.8	34.7	0.03	-272.8	70.9	4,324.4	4,253.4	71.05	60.868			

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

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Permian Resources

Anticollision Report

Company:	NEW MEXICO	Local Co-ordinate Reference:	Well CASA BONITA 8 ST COM #124H
Project:	(SP) LEA	TVD Reference:	KB @ 3615.0usft
Reference Site:	CASA BONITA PROJECT	MD Reference:	KB @ 3615.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	CASA BONITA 8 ST COM #124H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	Compass
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: BUTTERS STOTCH PROJECT - BUTTERS STOTCH 8 ST COM #124H - OWB - PWP0													Offset Site Error:	0.0 usft	
Survey Program:		0-MWD												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
14,200.0	10,140.0	9,725.0	9,718.5	77.3	34.7	0.03	-272.8	70.9	4,424.0	4,352.9	71.10	62.221			
14,300.0	10,140.0	9,725.0	9,718.5	78.8	34.7	0.03	-272.8	70.9	4,523.6	4,452.4	71.16	63.572			
14,400.0	10,140.0	9,725.0	9,718.5	80.2	34.7	0.03	-272.8	70.9	4,623.2	4,552.0	71.21	64.921			
14,500.0	10,140.0	9,725.0	9,718.5	81.7	34.7	0.03	-272.8	70.9	4,722.8	4,651.5	71.27	66.268			
14,600.0	10,140.0	9,725.0	9,718.5	83.2	34.7	0.03	-272.8	70.9	4,822.4	4,751.1	71.32	67.613			
14,700.0	10,140.0	9,725.0	9,718.5	84.7	34.7	0.03	-272.8	70.9	4,922.1	4,850.7	71.38	68.955			
14,800.0	10,140.0	9,725.0	9,718.5	86.2	34.7	0.03	-272.8	70.9	5,021.7	4,950.3	71.44	70.295			
14,900.0	10,140.0	9,725.0	9,718.5	87.7	34.7	0.03	-272.8	70.9	5,121.4	5,049.9	71.49	71.633			
15,000.0	10,140.0	9,725.0	9,718.5	89.2	34.7	0.03	-272.8	70.9	5,221.1	5,149.5	71.55	72.968			
15,100.0	10,140.0	9,725.0	9,718.5	90.7	34.7	0.03	-272.8	70.9	5,320.8	5,249.2	71.61	74.301			
15,200.0	10,140.0	9,725.0	9,718.5	92.3	34.7	0.03	-272.8	70.9	5,420.5	5,348.8	71.67	75.631			
15,300.0	10,140.0	9,713.3	9,706.9	93.8	34.7	0.03	-271.8	70.9	5,520.1	5,448.4	71.70	76.989			
15,400.0	10,140.0	9,712.7	9,706.3	95.3	34.7	0.03	-271.7	70.9	5,619.8	5,548.0	71.76	78.316			
15,500.0	10,140.0	9,712.2	9,705.7	96.8	34.7	0.03	-271.7	70.9	5,719.5	5,647.7	71.82	79.640			
15,600.0	10,140.0	9,711.6	9,705.2	98.4	34.7	0.03	-271.6	70.9	5,819.2	5,747.3	71.88	80.960			
15,700.0	10,140.0	9,700.0	9,693.6	99.9	34.7	0.03	-270.9	70.9	5,919.1	5,847.2	71.91	82.312			
15,800.0	10,140.0	9,700.0	9,693.6	101.5	34.7	0.03	-270.9	70.9	6,018.8	5,946.9	71.97	83.626			
15,900.0	10,140.0	9,700.0	9,693.6	103.0	34.7	0.03	-270.9	70.9	6,118.6	6,046.5	72.04	84.937			
16,000.0	10,140.0	9,700.0	9,693.6	104.6	34.7	0.03	-270.9	70.9	6,218.3	6,146.2	72.10	86.244			
16,100.0	10,140.0	9,700.0	9,693.6	106.1	34.7	0.03	-270.9	70.9	6,318.1	6,245.9	72.17	87.549			
16,200.0	10,140.0	9,700.0	9,693.6	107.7	34.7	0.03	-270.9	70.9	6,417.9	6,345.6	72.23	88.851			
16,300.0	10,140.0	9,700.0	9,693.6	109.2	34.7	0.03	-270.9	70.9	6,517.6	6,445.3	72.30	90.149			
16,400.0	10,140.0	9,700.0	9,693.6	110.8	34.7	0.03	-270.9	70.9	6,617.4	6,545.1	72.37	91.445			
16,500.0	10,140.0	9,700.0	9,693.6	112.4	34.7	0.03	-270.9	70.9	6,717.2	6,644.8	72.43	92.737			
16,600.0	10,140.0	9,700.0	9,693.6	113.9	34.7	0.03	-270.9	70.9	6,817.0	6,744.5	72.50	94.026			
16,700.0	10,140.0	9,700.0	9,693.6	115.5	34.7	0.03	-270.9	70.9	6,916.8	6,844.2	72.57	95.312			
16,800.0	10,140.0	9,700.0	9,693.6	117.1	34.7	0.03	-270.9	70.9	7,016.6	6,944.0	72.64	96.594			
16,900.0	10,140.0	9,700.0	9,693.6	118.6	34.7	0.03	-270.9	70.9	7,116.4	7,043.7	72.71	97.874			
17,000.0	10,140.0	9,700.0	9,693.6	120.2	34.7	0.03	-270.9	70.9	7,216.2	7,143.4	72.78	99.149			
17,100.0	10,140.0	9,700.0	9,693.6	121.8	34.7	0.03	-270.9	70.9	7,316.1	7,243.2	72.85	100.422			
17,200.0	10,140.0	9,700.0	9,693.6	123.4	34.7	0.03	-270.9	70.9	7,415.9	7,343.0	72.93	101.691			
17,300.0	10,140.0	9,700.0	9,693.6	125.0	34.7	0.03	-270.9	70.9	7,515.7	7,442.7	73.00	102.957			
17,400.0	10,140.0	9,700.0	9,693.6	126.5	34.7	0.03	-270.9	70.9	7,615.5	7,542.5	73.07	104.219			
17,500.0	10,140.0	9,700.0	9,693.6	128.1	34.7	0.03	-270.9	70.9	7,715.4	7,642.2	73.15	105.477			
17,600.0	10,140.0	9,700.0	9,693.6	129.7	34.7	0.03	-270.9	70.9	7,815.2	7,742.0	73.22	106.732			
17,700.0	10,140.0	9,700.0	9,693.6	131.3	34.7	0.03	-270.9	70.9	7,915.1	7,841.8	73.30	107.984			
17,740.2	10,140.0	9,700.0	9,693.6	131.9	34.7	0.03	-270.9	70.9	7,955.2	7,881.9	73.33	108.486			

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

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Permian Resources

Anticollision Report

Company:	NEW MEXICO	Local Co-ordinate Reference:	Well CASA BONITA 8 ST COM #124H
Project:	(SP) LEA	TVD Reference:	KB @ 3615.0usft
Reference Site:	CASA BONITA PROJECT	MD Reference:	KB @ 3615.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	CASA BONITA 8 ST COM #124H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	Compass
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CASA BONITA PROJECT - CASA BONITA 32 ST COM #121H - OWB - PWP0														Offset Site Error:	0.0 usft
Survey Program: 0-MWD														Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	53.0	53.0	0.0	0.1	-20.10	8,057.4	-2,947.9	8,579.8		8,579.8				
100.0	100.0	153.0	153.0	0.3	0.4	-20.10	8,057.4	-2,947.9	8,579.8	8,579.1		0.69	N/A		
200.0	200.0	253.0	253.0	0.6	0.8	-20.10	8,057.4	-2,947.9	8,579.8	8,578.4		1.41	6,090.154		
300.0	300.0	353.0	353.0	1.0	1.2	-20.10	8,057.4	-2,947.9	8,579.8	8,577.6		2.13	4,036.140		
400.0	400.0	453.0	453.0	1.3	1.5	-20.10	8,057.4	-2,947.9	8,579.8	8,576.9		2.84	3,018.198		
500.0	500.0	553.0	553.0	1.7	1.9	-20.10	8,057.4	-2,947.9	8,579.8	8,576.2		3.56	2,410.303		
600.0	600.0	653.0	653.0	2.0	2.2	-20.10	8,057.4	-2,947.9	8,579.8	8,575.5		4.28	2,006.229		
700.0	700.0	753.0	753.0	2.4	2.6	-20.10	8,057.4	-2,947.9	8,579.8	8,574.8		4.99	1,718.185		
800.0	800.0	853.0	853.0	2.8	3.0	-20.10	8,057.4	-2,947.9	8,579.8	8,574.1		5.71	1,502.468		
900.0	900.0	953.0	953.0	3.1	3.3	-20.10	8,057.4	-2,947.9	8,579.8	8,573.3		6.43	1,334.875		
1,000.0	1,000.0	1,053.0	1,053.0	3.5	3.7	-20.10	8,057.4	-2,947.9	8,579.8	8,572.6		7.14	1,200.919		
1,100.0	1,100.0	1,153.0	1,153.0	3.8	4.0	-20.10	8,057.4	-2,947.9	8,579.8	8,571.9		7.86	1,091.396		
1,200.0	1,200.0	1,253.0	1,253.0	4.2	4.4	-20.10	8,057.4	-2,947.9	8,579.8	8,571.2		8.58	1,000.180		
1,300.0	1,300.0	1,353.0	1,353.0	4.6	4.7	-20.10	8,057.4	-2,947.9	8,579.8	8,570.5		9.30	923.036		
1,400.0	1,400.0	1,453.0	1,453.0	4.9	5.1	-20.10	8,057.4	-2,947.9	8,579.8	8,569.8		10.01	856.939		
1,500.0	1,500.0	1,553.0	1,553.0	5.3	5.5	-20.10	8,057.4	-2,947.9	8,579.8	8,569.0		10.73	799.676		
1,600.0	1,600.0	1,653.0	1,653.0	5.6	5.8	-20.10	8,057.4	-2,947.9	8,579.8	8,568.3		11.45	749.587		
1,700.0	1,700.0	1,753.0	1,753.0	6.0	6.2	-20.10	8,057.4	-2,947.9	8,579.8	8,567.6		12.16	705.403		
1,800.0	1,800.0	1,853.0	1,853.0	6.3	6.5	-20.10	8,057.4	-2,947.9	8,579.8	8,566.9		12.88	666.137		
1,900.0	1,900.0	1,953.0	1,953.0	6.7	6.9	-20.10	8,057.4	-2,947.9	8,579.8	8,566.2		13.60	631.013		
2,000.0	2,000.0	2,091.3	2,091.3	7.1	7.4	-20.11	8,056.7	-2,949.2	8,579.7	8,565.2		14.44	594.199		
2,016.8	2,016.8	2,120.3	2,120.3	7.1	7.5	-177.27	8,056.2	-2,950.2	8,579.6	8,565.0		14.59	587.870		
2,100.0	2,100.0	2,262.9	2,262.5	7.4	8.0	-177.33	8,051.7	-2,958.6	8,580.5	8,565.2		15.36	558.731		
2,200.0	2,199.8	2,432.5	2,430.9	7.7	8.5	-177.47	8,042.1	-2,976.7	8,584.1	8,567.8		16.27	527.664		
2,250.0	2,249.7	2,516.2	2,513.4	7.9	8.8	-177.56	8,035.5	-2,988.8	8,586.9	8,570.1		16.73	513.264		
2,300.0	2,299.5	2,599.0	2,594.7	8.1	9.1	-177.66	8,028.0	-3,003.0	8,589.9	8,572.7		17.20	499.512		
2,400.0	2,399.1	17,813.8	10,199.0	8.4	138.2	121.48	-56.5	-3,571.2	8,534.4	8,449.2		85.15	100.223		
2,500.0	2,498.7	17,821.8	10,199.0	8.7	138.3	121.36	-64.5	-3,571.1	8,445.4	8,359.6		85.79	98.445		
2,600.0	2,598.4	17,829.9	10,199.0	9.1	138.4	121.24	-72.6	-3,571.0	8,356.8	8,270.3		86.44	96.677		
2,700.0	2,698.0	17,837.9	10,199.0	9.4	138.5	121.13	-80.7	-3,570.9	8,268.3	8,181.2		87.11	94.920		
2,800.0	2,797.6	17,846.0	10,199.0	9.8	138.7	121.01	-88.7	-3,570.9	8,180.2	8,092.4		87.79	93.174		
2,900.0	2,897.2	17,854.1	10,199.0	10.1	138.8	120.89	-96.8	-3,570.8	8,092.3	8,003.8		88.50	91.441		
3,000.0	2,996.8	17,862.1	10,199.0	10.5	138.9	120.77	-104.9	-3,570.7	8,004.6	7,915.4		89.22	89.720		
3,100.0	3,096.4	17,870.2	10,199.0	10.8	139.1	120.66	-112.9	-3,570.6	7,917.3	7,827.3		89.96	88.013		
3,200.0	3,196.1	17,878.3	10,199.0	11.2	139.2	120.54	-121.0	-3,570.6	7,830.2	7,739.5		90.71	86.319		
3,300.0	3,295.7	17,886.3	10,199.0	11.5	139.3	120.42	-129.0	-3,570.5	7,743.5	7,652.0		91.49	84.639		
3,400.0	3,395.3	17,894.4	10,199.0	11.9	139.4	120.30	-137.1	-3,570.4	7,657.1	7,564.8		92.28	82.974		
3,500.0	3,494.9	17,902.5	10,199.0	12.3	139.6	120.19	-145.2	-3,570.3	7,571.0	7,477.9		93.10	81.324		
3,600.0	3,594.5	17,910.5	10,199.0	12.6	139.7	120.07	-153.2	-3,570.2	7,485.2	7,391.3		93.93	79.689		
3,700.0	3,694.2	17,918.6	10,199.0	13.0	139.8	119.95	-161.3	-3,570.2	7,399.8	7,305.0		94.78	78.070		
3,800.0	3,793.8	17,926.7	10,199.0	13.4	140.0	119.83	-169.4	-3,570.1	7,314.7	7,219.1		95.66	76.467		
3,900.0	3,893.4	17,934.7	10,199.0	13.7	140.1	119.71	-177.4	-3,570.0	7,230.0	7,133.5		96.55	74.880		
4,000.0	3,993.0	17,942.8	10,199.0	14.1	140.2	119.60	-185.5	-3,569.9	7,145.7	7,048.3		97.47	73.311		
4,069.1	4,061.9	17,948.4	10,199.0	14.4	140.3	119.51	-191.1	-3,569.9	7,087.7	6,989.6		98.12	72.236		
4,100.0	4,092.7	17,950.7	10,199.0	14.5	140.3	118.65	-193.4	-3,569.9	7,061.8	6,963.4		98.41	71.759		
4,200.0	4,192.5	17,956.1	10,199.0	14.8	140.4	115.79	-198.9	-3,569.8	6,977.6	6,878.3		99.33	70.246		
4,300.0	4,292.4	17,958.4	10,199.0	15.2	140.5	112.86	-201.1	-3,569.8	6,893.0	6,792.8		100.22	68.777		
4,319.1	4,311.5	17,958.4	10,199.0	15.3	140.5	-90.55	-201.2	-3,569.8	6,876.8	6,776.4		100.39	68.501		
4,400.0	4,392.4	17,958.4	10,199.0	15.5	140.5	-90.55	-201.2	-3,569.8	6,808.3	6,707.2		101.09	67.346		
4,500.0	4,492.4	17,958.4	10,199.0	15.9	140.5	-90.55	-201.2	-3,569.8	6,724.0	6,622.0		101.98	65.932		
4,600.0	4,592.4	17,958.4	10,199.0	16.2	140.5	-90.55	-201.2	-3,569.8	6,640.1	6,537.2		102.90	64.532		
4,700.0	4,692.4	17,958.4	10,199.0	16.6	140.5	-90.55	-201.2	-3,569.8	6,556.7	6,452.9		103.83	63.147		

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

Permian Resources

Anticollision Report

Company:	NEW MEXICO	Local Co-ordinate Reference:	Well CASA BONITA 8 ST COM #124H
Project:	(SP) LEA	TVD Reference:	KB @ 3615.0usft
Reference Site:	CASA BONITA PROJECT	MD Reference:	KB @ 3615.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	CASA BONITA 8 ST COM #124H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	Compass
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CASA BONITA PROJECT - CASA BONITA 32 ST COM #121H - OWB - PWP0													Offset Site Error:	0.0 usft	
Survey Program: Reference		0-MWD		Offset			Semi Major Axis		Offset Wellbore Centre		Rule Assigned: Distance			Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
4,800.0	4,792.4	17,958.4	10,199.0	16.9	140.5	-90.55	-201.2	-3,569.8	6,473.8	6,369.0	104.79	61.777			
4,900.0	4,892.4	17,958.4	10,199.0	17.2	140.5	-90.55	-201.2	-3,569.8	6,391.3	6,285.6	105.77	60.424			
5,000.0	4,992.4	17,958.4	10,199.0	17.6	140.5	-90.55	-201.2	-3,569.8	6,309.4	6,202.6	106.78	59.086			
5,100.0	5,092.4	17,958.4	10,199.0	17.9	140.5	-90.55	-201.2	-3,569.8	6,228.0	6,120.2	107.81	57.766			
5,200.0	5,192.4	17,958.4	10,199.0	18.3	140.5	-90.55	-201.2	-3,569.8	6,147.1	6,038.2	108.87	56.462			
5,300.0	5,292.4	17,958.4	10,199.0	18.6	140.5	-90.55	-201.2	-3,569.8	6,066.8	5,956.9	109.96	55.175			
5,400.0	5,392.4	17,958.4	10,199.0	19.0	140.5	-90.55	-201.2	-3,569.8	5,987.1	5,876.1	111.06	53.907			
5,500.0	5,492.4	17,958.4	10,199.0	19.3	140.5	-90.55	-201.2	-3,569.8	5,908.0	5,795.8	112.20	52.656			
5,600.0	5,592.4	17,958.4	10,199.0	19.7	140.5	-90.55	-201.2	-3,569.8	5,829.6	5,716.2	113.36	51.424			
5,700.0	5,692.4	17,958.4	10,199.0	20.0	140.5	-90.55	-201.2	-3,569.8	5,751.8	5,637.3	114.55	50.211			
5,800.0	5,792.4	17,958.4	10,199.0	20.4	140.5	-90.55	-201.2	-3,569.8	5,674.8	5,559.0	115.77	49.017			
5,900.0	5,892.4	17,958.4	10,199.0	20.7	140.5	-90.55	-201.2	-3,569.8	5,598.4	5,481.4	117.02	47.843			
6,000.0	5,992.4	17,958.4	10,199.0	21.1	140.5	-90.55	-201.2	-3,569.8	5,522.8	5,404.5	118.29	46.689			
6,100.0	6,092.4	17,958.4	10,199.0	21.4	140.5	-90.55	-201.2	-3,569.8	5,448.0	5,328.4	119.59	45.555			
6,200.0	6,192.4	17,958.4	10,199.0	21.8	140.5	-90.55	-201.2	-3,569.8	5,374.0	5,253.1	120.92	44.442			
6,300.0	6,292.4	17,958.4	10,199.0	22.1	140.5	-90.55	-201.2	-3,569.8	5,300.9	5,178.6	122.28	43.351			
6,400.0	6,392.4	17,958.4	10,199.0	22.5	140.5	-90.55	-201.2	-3,569.8	5,228.6	5,105.0	123.66	42.281			
6,500.0	6,492.4	17,958.4	10,199.0	22.8	140.5	-90.55	-201.2	-3,569.8	5,157.3	5,032.2	125.08	41.233			
6,600.0	6,592.4	17,958.4	10,199.0	23.2	140.5	-90.55	-201.2	-3,569.8	5,087.0	4,960.4	126.52	40.208			
6,700.0	6,692.4	17,958.4	10,199.0	23.5	140.5	-90.55	-201.2	-3,569.8	5,017.6	4,889.6	127.98	39.205			
6,800.0	6,792.4	17,958.4	10,199.0	23.9	140.5	-90.55	-201.2	-3,569.8	4,949.3	4,819.8	129.48	38.226			
6,900.0	6,892.4	17,958.4	10,199.0	24.2	140.5	-90.55	-201.2	-3,569.8	4,882.1	4,751.1	130.99	37.270			
7,000.0	6,992.4	17,958.4	10,199.0	24.6	140.5	-90.55	-201.2	-3,569.8	4,816.0	4,683.5	132.54	36.338			
7,100.0	7,092.4	17,958.5	10,199.0	24.9	140.5	-90.55	-201.2	-3,569.8	4,751.2	4,617.1	134.10	35.430			
7,200.0	7,192.4	17,958.5	10,199.0	25.3	140.5	-90.55	-201.2	-3,569.8	4,687.5	4,551.8	135.69	34.546			
7,300.0	7,292.4	17,958.5	10,199.0	25.6	140.5	-90.55	-201.2	-3,569.8	4,625.2	4,487.9	137.30	33.688			
7,400.0	7,392.4	17,958.5	10,199.0	26.0	140.5	-90.55	-201.2	-3,569.8	4,564.1	4,425.2	138.92	32.854			
7,500.0	7,492.4	17,958.5	10,199.0	26.3	140.5	-90.55	-201.2	-3,569.8	4,504.5	4,364.0	140.56	32.047			
7,600.0	7,592.4	17,958.5	10,199.0	26.7	140.5	-90.55	-201.2	-3,569.8	4,446.3	4,304.1	142.22	31.265			
7,700.0	7,692.4	17,958.5	10,199.0	27.0	140.5	-90.55	-201.2	-3,569.8	4,389.7	4,245.8	143.88	30.509			
7,800.0	7,792.4	17,958.5	10,199.0	27.4	140.5	-90.55	-201.2	-3,569.8	4,334.6	4,189.0	145.56	29.780			
7,900.0	7,892.4	17,958.5	10,199.0	27.8	140.5	-90.55	-201.2	-3,569.8	4,281.1	4,133.9	147.23	29.077			
8,000.0	7,992.4	17,958.5	10,199.0	28.1	140.5	-90.55	-201.2	-3,569.8	4,229.3	4,080.4	148.91	28.401			
8,100.0	8,092.4	17,958.5	10,199.0	28.5	140.5	-90.55	-201.2	-3,569.8	4,179.3	4,028.7	150.59	27.753			
8,200.0	8,192.4	17,958.5	10,199.0	28.8	140.5	-90.55	-201.2	-3,569.8	4,131.1	3,978.8	152.26	27.132			
8,300.0	8,292.4	17,958.5	10,199.0	29.2	140.5	-90.55	-201.2	-3,569.8	4,084.7	3,930.8	153.91	26.539			
8,400.0	8,392.4	17,958.5	10,199.0	29.5	140.5	-90.55	-201.2	-3,569.8	4,040.3	3,884.8	155.56	25.974			
8,500.0	8,492.4	17,958.5	10,199.0	29.9	140.5	-90.55	-201.2	-3,569.8	3,998.0	3,840.8	157.17	25.436			
8,600.0	8,592.4	17,958.5	10,199.0	30.2	140.5	-90.55	-201.2	-3,569.8	3,957.6	3,798.9	158.77	24.927			
8,700.0	8,692.4	17,958.5	10,199.0	30.6	140.5	-90.55	-201.2	-3,569.8	3,919.5	3,759.1	160.33	24.447			
8,800.0	8,792.4	17,958.5	10,199.0	30.9	140.5	-90.55	-201.2	-3,569.8	3,883.5	3,721.6	161.85	23.995			
8,900.0	8,892.4	17,958.5	10,199.0	31.3	140.5	-90.55	-201.2	-3,569.8	3,849.8	3,686.5	163.32	23.571			
9,000.0	8,992.4	17,958.5	10,199.0	31.6	140.5	-90.55	-201.2	-3,569.8	3,818.4	3,653.6	164.75	23.177			
9,100.0	9,092.4	17,958.5	10,199.0	32.0	140.5	-90.55	-201.2	-3,569.8	3,789.4	3,623.3	166.12	22.811			
9,200.0	9,192.4	17,958.5	10,199.0	32.4	140.5	-90.55	-201.2	-3,569.8	3,762.8	3,595.4	167.43	22.474			
9,300.0	9,292.4	17,958.5	10,199.0	32.7	140.5	-90.55	-201.2	-3,569.8	3,738.7	3,570.0	168.67	22.166			
9,400.0	9,392.4	17,958.5	10,199.0	33.1	140.5	-90.55	-201.2	-3,569.8	3,717.2	3,547.3	169.84	21.887			
9,500.0	9,492.4	17,958.5	10,199.0	33.4	140.5	-90.55	-201.2	-3,569.8	3,698.2	3,527.3	170.93	21.636			
9,574.6	9,567.0	17,958.5	10,199.0	33.7	140.5	-90.55	-201.2	-3,569.8	3,685.7	3,514.1	171.68	21.468			
9,600.0	9,592.4	17,957.9	10,199.0	33.8	140.5	-90.60	-200.6	-3,569.8	3,681.8	3,509.9	171.92	21.416			
9,650.0	9,642.2	17,953.5	10,199.0	33.9	140.4	-91.26	-196.2	-3,569.8	3,674.7	3,502.4	172.31	21.325			
9,700.0	9,691.4	17,944.8	10,199.0	34.1	140.3	-91.77	-187.5	-3,569.9	3,668.3	3,495.7	172.61	21.252			

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

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COMPASS 5000.17 Build 03

Permian Resources

Anticollision Report

Company:	NEW MEXICO	Local Co-ordinate Reference:	Well CASA BONITA 8 ST COM #124H
Project:	(SP) LEA	TVD Reference:	KB @ 3615.0usft
Reference Site:	CASA BONITA PROJECT	MD Reference:	KB @ 3615.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	CASA BONITA 8 ST COM #124H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	Compass
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CASA BONITA PROJECT - CASA BONITA 32 ST COM #121H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
9,750.0	9,739.7	17,931.8	10,199.0	34.3	140.0	-92.13	-174.5	-3,570.0	3,662.7	3,489.9	172.80	21.196		
9,800.0	9,786.7	17,914.7	10,199.0	34.4	139.8	-92.37	-157.4	-3,570.2	3,657.8	3,484.9	172.89	21.157		
9,850.0	9,832.0	17,893.5	10,199.0	34.6	139.4	-92.48	-136.2	-3,570.4	3,653.7	3,480.9	172.88	21.134		
9,900.0	9,875.2	17,868.5	10,199.0	34.7	139.0	-92.47	-111.2	-3,570.7	3,650.4	3,477.6	172.78	21.127 SF		
9,950.0	9,916.1	17,839.8	10,199.0	34.8	138.6	-92.38	-82.5	-3,570.9	3,647.7	3,475.1	172.59	21.134		
10,000.0	9,954.4	17,807.6	10,199.0	35.0	138.1	-92.20	-50.4	-3,571.2	3,645.6	3,473.3	172.32	21.156		
10,050.0	9,989.7	17,772.3	10,199.0	35.1	137.5	-91.96	-15.0	-3,571.6	3,644.0	3,472.1	171.98	21.189		
10,100.0	10,021.8	17,733.9	10,199.0	35.2	136.9	-91.68	23.3	-3,571.9	3,642.9	3,471.4	171.57	21.233		
10,150.0	10,050.5	17,693.0	10,199.0	35.4	136.2	-91.39	64.3	-3,572.3	3,642.2	3,471.1	171.10	21.287 ES		
10,200.0	10,075.4	17,649.7	10,199.0	35.5	135.6	-91.09	107.6	-3,572.8	3,641.8	3,471.2	170.58	21.349		
10,250.0	10,096.5	17,604.4	10,199.0	35.6	134.8	-90.80	152.9	-3,573.2	3,641.7	3,471.6	170.03	21.418		
10,279.2	10,107.0	17,577.1	10,199.0	35.7	134.4	-90.65	180.1	-3,573.5	3,641.6	3,471.9	169.69	21.461 CC		
10,300.0	10,113.6	17,557.4	10,199.0	35.8	134.1	-90.55	199.9	-3,573.6	3,641.6	3,472.2	169.44	21.492		
10,350.0	10,126.5	17,509.1	10,199.0	35.9	133.3	-90.35	248.2	-3,574.1	3,641.7	3,472.9	168.83	21.570		
10,400.0	10,135.1	17,459.9	10,199.0	36.1	132.5	-90.20	297.4	-3,574.6	3,641.9	3,473.7	168.21	21.651		
10,450.0	10,139.4	17,410.1	10,199.0	36.2	131.8	-90.11	347.2	-3,575.1	3,642.1	3,474.5	167.58	21.734		
10,474.6	10,140.0	17,385.5	10,199.0	36.3	131.4	-90.09	371.7	-3,575.3	3,642.2	3,474.9	167.27	21.775		
10,500.0	10,140.0	17,360.1	10,199.0	36.4	131.0	-90.09	397.2	-3,575.5	3,642.3	3,475.3	166.94	21.817		
10,600.0	10,140.0	17,260.1	10,199.0	36.8	129.4	-90.09	497.2	-3,576.5	3,642.6	3,476.9	165.73	21.979		
10,700.0	10,140.0	17,160.1	10,199.0	37.2	127.8	-90.09	597.2	-3,577.5	3,643.0	3,478.4	164.59	22.134		
10,800.0	10,140.0	17,060.1	10,199.0	37.7	126.2	-90.09	697.2	-3,578.4	3,643.4	3,479.9	163.52	22.281		
10,900.0	10,140.0	16,960.1	10,199.0	38.3	124.6	-90.09	797.2	-3,579.4	3,643.8	3,481.3	162.51	22.421		
11,000.0	10,140.0	16,860.1	10,199.0	38.9	123.1	-90.09	897.2	-3,580.3	3,644.2	3,482.6	161.57	22.554		
11,100.0	10,140.0	16,760.1	10,199.0	39.6	121.5	-90.09	997.2	-3,581.3	3,644.5	3,483.8	160.69	22.681		
11,200.0	10,140.0	16,660.1	10,199.0	40.4	119.9	-90.09	1,097.2	-3,582.3	3,644.9	3,485.1	159.87	22.800		
11,300.0	10,140.0	16,560.1	10,199.0	41.2	118.4	-90.09	1,197.2	-3,583.2	3,645.3	3,486.2	159.10	22.913		
11,400.0	10,140.0	16,460.1	10,199.0	42.0	116.8	-90.09	1,297.1	-3,584.2	3,645.7	3,487.3	158.38	23.019		
11,500.0	10,140.0	16,360.1	10,199.0	42.9	115.2	-90.09	1,397.1	-3,585.1	3,646.1	3,488.3	157.71	23.119		
11,600.0	10,140.0	16,260.1	10,199.0	43.9	113.7	-90.09	1,497.1	-3,586.1	3,646.4	3,489.4	157.09	23.213		
11,700.0	10,140.0	16,160.1	10,199.0	44.9	112.1	-90.09	1,597.1	-3,587.1	3,646.8	3,490.3	156.51	23.302		
11,800.0	10,140.0	16,060.1	10,199.0	45.9	110.6	-90.09	1,697.1	-3,588.0	3,647.2	3,491.2	155.97	23.385		
11,900.0	10,140.0	15,960.1	10,199.0	47.0	109.0	-90.09	1,797.1	-3,589.0	3,647.6	3,492.1	155.47	23.462		
12,000.0	10,140.0	15,860.1	10,199.0	48.0	107.4	-90.09	1,897.1	-3,590.0	3,648.0	3,493.0	155.00	23.535		
12,100.0	10,140.0	15,760.1	10,199.0	49.2	105.9	-90.09	1,997.1	-3,590.9	3,648.3	3,493.8	154.57	23.603		
12,200.0	10,140.0	15,660.1	10,199.0	50.3	104.4	-90.09	2,097.1	-3,591.9	3,648.7	3,494.5	154.17	23.666		
12,300.0	10,140.0	15,560.1	10,199.0	51.5	102.8	-90.09	2,197.1	-3,592.8	3,649.1	3,495.3	153.80	23.725		
12,400.0	10,140.0	15,460.1	10,199.0	52.7	101.3	-90.09	2,297.1	-3,593.8	3,649.5	3,496.0	153.47	23.780		
12,500.0	10,140.0	15,360.1	10,199.0	53.9	99.7	-90.09	2,397.1	-3,594.8	3,649.9	3,496.7	153.15	23.831		
12,600.0	10,140.0	15,260.1	10,199.0	55.2	98.2	-90.09	2,497.1	-3,595.7	3,650.2	3,497.4	152.87	23.878		
12,700.0	10,140.0	15,160.1	10,199.0	56.5	96.7	-90.09	2,597.1	-3,596.7	3,650.6	3,498.0	152.61	23.922		
12,800.0	10,140.0	15,060.1	10,199.0	57.8	95.2	-90.09	2,697.1	-3,597.6	3,651.0	3,498.6	152.37	23.962		
12,900.0	10,140.0	14,960.1	10,199.0	59.1	93.7	-90.09	2,797.1	-3,598.6	3,651.4	3,499.2	152.15	23.999		
13,000.0	10,140.0	14,860.1	10,199.0	60.4	92.1	-90.09	2,897.1	-3,599.6	3,651.8	3,499.8	151.95	24.032		
13,100.0	10,140.0	14,760.1	10,199.0	61.7	90.6	-90.09	2,997.1	-3,600.5	3,652.1	3,500.4	151.78	24.062		
13,200.0	10,140.0	14,660.1	10,199.0	63.1	89.1	-90.09	3,097.0	-3,601.5	3,652.5	3,500.9	151.62	24.089		
13,300.0	10,140.0	14,560.1	10,199.0	64.5	87.6	-90.09	3,197.0	-3,602.4	3,652.9	3,501.4	151.49	24.114		
13,400.0	10,140.0	14,460.1	10,199.0	65.8	86.1	-90.09	3,297.0	-3,603.4	3,653.3	3,501.9	151.37	24.135		
13,500.0	10,140.0	14,360.1	10,199.0	67.2	84.7	-90.09	3,397.0	-3,604.4	3,653.7	3,502.4	151.27	24.154		
13,600.0	10,140.0	14,260.1	10,199.0	68.6	83.2	-90.09	3,497.0	-3,605.3	3,654.0	3,502.9	151.18	24.169		
13,700.0	10,140.0	14,160.1	10,199.0	70.1	81.7	-90.09	3,597.0	-3,606.3	3,654.4	3,503.3	151.12	24.182		
13,800.0	10,140.0	14,060.1	10,199.0	71.5	80.2	-90.09	3,697.0	-3,607.2	3,654.8	3,503.7	151.07	24.193		
13,900.0	10,140.0	13,960.1	10,199.0	72.9	78.8	-90.09	3,797.0	-3,608.2	3,655.2	3,504.1	151.04	24.201		

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

Permian Resources

Anticollision Report

Company:	NEW MEXICO	Local Co-ordinate Reference:	Well CASA BONITA 8 ST COM #124H
Project:	(SP) LEA	TVD Reference:	KB @ 3615.0usft
Reference Site:	CASA BONITA PROJECT	MD Reference:	KB @ 3615.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	CASA BONITA 8 ST COM #124H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	Compass
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CASA BONITA PROJECT - CASA BONITA 32 ST COM #121H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
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 Ellipses (usft)		Minimum Separation (usft)	Separation Factor	Warning	
+N/-S (usft)	+E/-W (usft)													
14,000.0	10,140.0	13,860.1	10,199.0	74.4	77.3	-90.09	3,897.0	-3,609.2	3,655.6	3,504.5	151.02	24.206		
14,100.0	10,140.0	13,760.1	10,199.0	75.8	75.9	-90.09	3,997.0	-3,610.1	3,655.9	3,504.9	151.02	24.208		
14,200.0	10,140.0	13,660.1	10,199.0	77.3	74.5	-90.09	4,097.0	-3,611.1	3,656.3	3,505.3	151.04	24.208		
14,300.0	10,140.0	13,560.1	10,199.0	78.8	73.0	-90.09	4,197.0	-3,612.1	3,656.7	3,505.6	151.07	24.206		
14,400.0	10,140.0	13,460.1	10,199.0	80.2	71.6	-90.09	4,297.0	-3,613.0	3,657.1	3,506.0	151.12	24.200		
14,500.0	10,140.0	13,360.1	10,199.0	81.7	70.2	-90.09	4,397.0	-3,614.0	3,657.5	3,506.3	151.18	24.192		
14,600.0	10,140.0	13,260.1	10,199.0	83.2	68.8	-90.09	4,497.0	-3,614.9	3,657.8	3,506.6	151.27	24.182		
14,700.0	10,140.0	13,160.1	10,199.0	84.7	67.5	-90.09	4,597.0	-3,615.9	3,658.2	3,506.9	151.37	24.168		
14,800.0	10,140.0	13,060.1	10,199.0	86.2	66.1	-90.09	4,697.0	-3,616.9	3,658.6	3,507.1	151.48	24.152		
14,900.0	10,140.0	12,960.1	10,199.0	87.7	64.7	-90.09	4,797.0	-3,617.8	3,659.0	3,507.4	151.62	24.133		
15,000.0	10,140.0	12,860.1	10,199.0	89.2	63.4	-90.09	4,897.0	-3,618.8	3,659.4	3,507.6	151.77	24.111		
15,100.0	10,140.0	12,760.1	10,199.0	90.7	62.1	-90.09	4,996.9	-3,619.7	3,659.7	3,507.8	151.95	24.086		
15,200.0	10,140.0	12,660.1	10,199.0	92.3	60.8	-90.09	5,096.9	-3,620.7	3,660.1	3,508.0	152.14	24.057		
15,300.0	10,140.0	12,560.1	10,199.0	93.8	59.5	-90.09	5,196.9	-3,621.7	3,660.5	3,508.1	152.36	24.026		
15,400.0	10,140.0	12,460.1	10,199.0	95.3	58.2	-90.09	5,296.9	-3,622.6	3,660.9	3,508.3	152.59	23.991		
15,500.0	10,140.0	12,360.1	10,199.0	96.8	57.0	-90.09	5,396.9	-3,623.6	3,661.3	3,508.4	152.85	23.953		
15,600.0	10,140.0	12,260.1	10,199.0	98.4	55.7	-90.09	5,496.9	-3,624.5	3,661.6	3,508.5	153.14	23.911		
15,700.0	10,140.0	12,160.1	10,199.0	99.9	54.5	-90.09	5,596.9	-3,625.5	3,662.0	3,508.6	153.45	23.865		
15,800.0	10,140.0	12,060.1	10,199.0	101.5	53.3	-90.09	5,696.9	-3,626.5	3,662.4	3,508.6	153.78	23.816		
15,900.0	10,140.0	11,960.1	10,199.0	103.0	52.2	-90.09	5,796.9	-3,627.4	3,662.8	3,508.6	154.15	23.762		
16,000.0	10,140.0	11,860.1	10,199.0	104.6	51.0	-90.09	5,896.9	-3,628.4	3,663.2	3,508.6	154.54	23.704		
16,100.0	10,140.0	11,760.1	10,199.0	106.1	49.9	-90.09	5,996.9	-3,629.3	3,663.5	3,508.6	154.96	23.641		
16,200.0	10,140.0	11,660.1	10,199.0	107.7	48.9	-90.09	6,096.9	-3,630.3	3,663.9	3,508.5	155.42	23.574		
16,300.0	10,140.0	11,560.1	10,199.0	109.2	47.8	-90.09	6,196.9	-3,631.3	3,664.3	3,508.4	155.92	23.502		
16,400.0	10,140.0	11,460.1	10,199.0	110.8	46.8	-90.09	6,296.9	-3,632.2	3,664.7	3,508.2	156.45	23.424		
16,500.0	10,140.0	11,360.1	10,199.0	112.4	45.9	-90.09	6,396.9	-3,633.2	3,665.1	3,508.0	157.02	23.341		
16,600.0	10,140.0	11,260.1	10,199.0	113.9	44.9	-90.09	6,496.9	-3,634.2	3,665.4	3,507.8	157.64	23.253		
16,700.0	10,140.0	11,160.1	10,199.0	115.5	44.0	-90.09	6,596.9	-3,635.1	3,665.8	3,507.5	158.29	23.158		
16,800.0	10,140.0	11,060.1	10,199.0	117.1	43.2	-90.09	6,696.9	-3,636.1	3,666.2	3,507.2	159.00	23.058		
16,900.0	10,140.0	10,960.1	10,199.0	118.6	42.4	-90.09	6,796.9	-3,637.0	3,666.6	3,506.8	159.76	22.951		
17,000.0	10,140.0	10,860.1	10,199.0	120.2	41.7	-90.09	6,896.8	-3,638.0	3,667.0	3,506.4	160.57	22.837		
17,100.0	10,140.0	10,760.1	10,199.0	121.8	41.0	-90.09	6,996.8	-3,639.0	3,667.3	3,505.9	161.43	22.717		
17,200.0	10,140.0	10,660.1	10,199.0	123.4	40.4	-90.09	7,096.8	-3,639.9	3,667.7	3,505.4	162.36	22.590		
17,300.0	10,140.0	10,560.1	10,199.0	125.0	39.8	-90.09	7,196.8	-3,640.9	3,668.1	3,504.8	163.34	22.457		
17,400.0	10,140.0	10,460.1	10,190.5	126.5	39.3	-89.96	7,296.3	-3,641.8	3,668.5	3,504.1	164.37	22.318		
17,500.0	10,140.0	10,367.2	10,164.3	128.1	38.8	-89.55	7,385.3	-3,642.7	3,669.0	3,503.5	165.46	22.175		
17,600.0	10,140.0	10,286.9	10,128.1	129.7	38.5	-88.99	7,456.9	-3,643.4	3,670.0	3,503.4	166.60	22.029		
17,700.0	10,140.0	10,220.2	10,089.4	131.3	38.2	-88.38	7,511.1	-3,643.9	3,672.1	3,504.3	167.78	21.886		
17,740.2	10,140.0	10,200.0	10,076.2	131.9	38.1	-88.18	7,526.3	-3,644.0	3,673.3	3,505.0	168.27	21.830		

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

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COMPASS 5000.17 Build 03

Permian Resources

Anticollision Report

Company:	NEW MEXICO	Local Co-ordinate Reference:	Well CASA BONITA 8 ST COM #124H
Project:	(SP) LEA	TVD Reference:	KB @ 3615.0usft
Reference Site:	CASA BONITA PROJECT	MD Reference:	KB @ 3615.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	CASA BONITA 8 ST COM #124H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	Compass
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CASA BONITA PROJECT - CASA BONITA 8 ST COM #123H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
0.0	0.0	0.0	0.0	0.0	0.0	-90.61	-1.1	-99.0	99.0					
100.0	100.0	100.0	100.0	0.3	0.3	-90.61	-1.1	-99.0	99.0	98.5	0.50	197.257		
200.0	200.0	200.0	200.0	0.6	0.6	-90.61	-1.1	-99.0	99.0	97.8	1.22	81.224		
300.0	300.0	300.0	300.0	1.0	1.0	-90.61	-1.1	-99.0	99.0	97.1	1.94	51.141		
400.0	400.0	400.0	400.0	1.3	1.3	-90.61	-1.1	-99.0	99.0	96.3	2.65	37.319		
500.0	500.0	500.0	500.0	1.7	1.7	-90.61	-1.1	-99.0	99.0	95.6	3.37	29.379		
523.8	523.8	523.8	523.8	1.8	1.8	-90.61	-1.1	-99.0	99.0	95.5	3.54	27.964		
600.0	600.0	600.0	600.0	2.0	2.0	-90.61	-1.1	-99.0	99.0	94.9	4.09	24.225		
633.3	633.3	633.3	633.3	2.2	2.2	-90.61	-1.1	-99.0	99.0	94.7	4.33	22.886		
700.0	700.0	700.0	700.0	2.4	2.4	-90.61	-1.1	-99.0	99.0	94.2	4.80	20.609		
800.0	800.0	800.0	800.0	2.8	2.8	-90.61	-1.1	-99.0	99.0	93.5	5.52	17.932		
900.0	900.0	900.0	900.0	3.1	3.1	-90.61	-1.1	-99.0	99.0	92.8	6.24	15.871		
1,000.0	1,000.0	1,000.0	1,000.0	3.5	3.5	-90.61	-1.1	-99.0	99.0	92.0	6.95	14.235		
1,100.0	1,100.0	1,100.0	1,100.0	3.8	3.8	-90.61	-1.1	-99.0	99.0	91.3	7.67	12.905		
1,200.0	1,200.0	1,200.0	1,200.0	4.2	4.2	-90.61	-1.1	-99.0	99.0	90.6	8.39	11.802		
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	-90.61	-1.1	-99.0	99.0	89.9	9.11	10.872		
1,400.0	1,400.0	1,400.0	1,400.0	4.9	4.9	-90.61	-1.1	-99.0	99.0	89.2	9.82	10.079		
1,500.0	1,500.0	1,500.0	1,500.0	5.3	5.3	-90.61	-1.1	-99.0	99.0	88.5	10.54	9.393		
1,600.0	1,600.0	1,600.0	1,600.0	5.6	5.6	-90.61	-1.1	-99.0	99.0	87.7	11.26	8.795		
1,700.0	1,700.0	1,700.0	1,700.0	6.0	6.0	-90.61	-1.1	-99.0	99.0	87.0	11.97	8.268		
1,800.0	1,800.0	1,800.0	1,800.0	6.3	6.3	-90.61	-1.1	-99.0	99.0	86.3	12.69	7.801		
1,900.0	1,900.0	1,900.0	1,900.0	6.7	6.7	-90.61	-1.1	-99.0	99.0	85.6	13.41	7.384		
2,000.0	2,000.0	2,000.0	2,000.0	7.1	7.1	-90.61	-1.1	-99.0	99.0	84.9	14.12	7.009 CC, ES		
2,100.0	2,100.0	2,096.6	2,096.6	7.4	7.4	112.92	-1.4	-100.6	101.3	86.5	14.79	6.849		
2,200.0	2,199.8	2,192.9	2,192.7	7.7	7.7	114.78	-2.2	-105.4	108.4	93.0	15.42	7.028		
2,250.0	2,249.7	2,240.7	2,240.4	7.9	7.9	116.01	-2.9	-108.9	113.8	98.0	15.74	7.230		
2,300.0	2,299.5	2,288.3	2,287.8	8.1	8.1	117.30	-3.7	-113.2	120.2	104.1	16.04	7.491		
2,400.0	2,399.1	2,383.0	2,381.9	8.4	8.4	119.21	-5.7	-124.1	135.6	118.9	16.65	8.141		
2,500.0	2,498.7	2,476.7	2,474.5	8.7	8.7	120.34	-8.2	-137.9	154.1	136.9	17.24	8.937		
2,600.0	2,598.4	2,573.3	2,569.7	9.1	9.1	121.02	-11.2	-154.3	174.9	157.0	17.89	9.773		
2,700.0	2,698.0	2,671.1	2,666.0	9.4	9.4	121.55	-14.3	-171.0	195.8	177.2	18.57	10.540		
2,800.0	2,797.6	2,768.9	2,762.2	9.8	9.8	121.98	-17.3	-187.7	216.7	197.4	19.26	11.250		
2,900.0	2,897.2	2,866.6	2,858.5	10.1	10.2	122.33	-20.4	-204.4	237.6	217.6	19.95	11.909		
3,000.0	2,996.8	2,964.4	2,954.8	10.5	10.6	122.63	-23.5	-221.1	258.5	237.8	20.65	12.521		
3,100.0	3,096.4	3,062.2	3,051.1	10.8	11.0	122.88	-26.5	-237.8	279.4	258.1	21.34	13.091		
3,200.0	3,196.1	3,160.0	3,147.4	11.2	11.4	123.09	-29.6	-254.5	300.3	278.3	22.05	13.623		
3,300.0	3,295.7	3,257.8	3,243.7	11.5	11.8	123.28	-32.7	-271.2	321.3	298.5	22.75	14.119		
3,400.0	3,395.3	3,355.5	3,340.0	11.9	12.2	123.45	-35.7	-287.9	342.2	318.7	23.46	14.585		
3,500.0	3,494.9	3,453.3	3,436.3	12.3	12.6	123.59	-38.8	-304.6	363.1	339.0	24.18	15.021		
3,600.0	3,594.5	3,551.1	3,532.6	12.6	13.0	123.72	-41.9	-321.3	384.1	359.2	24.89	15.430		
3,700.0	3,694.2	3,648.9	3,628.9	13.0	13.4	123.84	-44.9	-338.0	405.0	379.4	25.61	15.815		
3,800.0	3,793.8	3,746.7	3,725.2	13.4	13.8	123.94	-48.0	-354.7	426.0	399.6	26.33	16.178		
3,900.0	3,893.4	3,844.4	3,821.5	13.7	14.2	124.04	-51.1	-371.4	446.9	419.9	27.05	16.520		
4,000.0	3,993.0	3,942.2	3,917.8	14.1	14.6	124.13	-54.1	-388.1	467.8	440.1	27.78	16.843		
4,069.1	4,061.9	4,009.8	3,984.3	14.4	14.9	124.18	-56.3	-399.7	482.3	454.0	28.28	17.056		
4,100.0	4,092.7	4,040.0	4,014.1	14.5	15.0	124.30	-57.2	-404.8	488.7	460.2	28.50	17.146		
4,200.0	4,192.5	4,138.1	4,110.7	14.8	15.4	124.43	-60.3	-421.6	508.1	478.9	29.22	17.387		
4,300.0	4,292.4	4,236.5	4,207.5	15.2	15.9	124.22	-63.4	-438.4	525.6	495.6	29.93	17.557		
4,319.1	4,311.5	4,255.3	4,226.1	15.3	16.0	-78.70	-64.0	-441.6	528.7	498.6	30.07	17.582		
4,400.0	4,392.4	4,334.9	4,304.5	15.5	16.3	-79.25	-66.5	-455.2	541.8	511.1	30.64	17.683		
4,500.0	4,492.4	4,433.4	4,401.5	15.9	16.7	-79.89	-69.5	-472.0	558.0	526.7	31.34	17.804		
4,600.0	4,592.4	4,531.9	4,498.5	16.2	17.1	-80.50	-72.6	-488.8	574.4	542.3	32.05	17.922		

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

Permian Resources

Anticollision Report

Company:	NEW MEXICO	Local Co-ordinate Reference:	Well CASA BONITA 8 ST COM #124H
Project:	(SP) LEA	TVD Reference:	KB @ 3615.0usft
Reference Site:	CASA BONITA PROJECT	MD Reference:	KB @ 3615.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	CASA BONITA 8 ST COM #124H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	Compass
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CASA BONITA PROJECT - CASA BONITA 8 ST COM #123H - OWB - PWP0													Offset Site Error:	0.0 usft	
Survey Program:		0-MWD		Offset			Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error:	0.0 usft
Reference	Offset	Reference	Offset	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	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)										
4,700.0	4,692.4	4,630.4	4,595.5	16.6	17.6	-81.07	-75.7	-505.7	590.8	558.0	32.76	18.035			
4,800.0	4,792.4	4,728.9	4,692.5	16.9	18.0	-81.61	-78.8	-522.5	607.2	573.7	33.46	18.146			
4,900.0	4,892.4	4,827.3	4,789.5	17.2	18.4	-82.12	-81.9	-539.3	623.7	589.5	34.17	18.252			
5,000.0	4,992.4	4,925.8	4,886.4	17.6	18.9	-82.61	-85.0	-556.1	640.2	605.3	34.88	18.356			
5,100.0	5,092.4	5,024.3	4,983.4	17.9	19.3	-83.07	-88.1	-572.9	656.8	621.2	35.59	18.456			
5,200.0	5,192.4	5,122.8	5,080.4	18.3	19.7	-83.51	-91.2	-589.8	673.4	637.1	36.30	18.553			
5,300.0	5,292.4	5,221.3	5,177.4	18.6	20.2	-83.93	-94.2	-606.6	690.1	653.1	37.01	18.647			
5,400.0	5,392.4	5,319.8	5,274.4	19.0	20.6	-84.33	-97.3	-623.4	706.8	669.0	37.72	18.738			
5,500.0	5,492.4	5,418.2	5,371.4	19.3	21.0	-84.71	-100.4	-640.2	723.5	685.0	38.43	18.826			
5,600.0	5,592.4	5,516.7	5,468.3	19.7	21.5	-85.07	-103.5	-657.0	740.2	701.1	39.14	18.912			
5,700.0	5,692.4	5,615.2	5,565.3	20.0	21.9	-85.42	-106.6	-673.9	757.0	717.2	39.85	18.995			
5,800.0	5,792.4	5,713.7	5,662.3	20.4	22.3	-85.75	-109.7	-690.7	773.8	733.2	40.57	19.075			
5,900.0	5,892.4	5,812.2	5,759.3	20.7	22.8	-86.07	-112.8	-707.5	790.6	749.4	41.28	19.153			
6,000.0	5,992.4	5,910.6	5,856.3	21.1	23.2	-86.37	-115.9	-724.3	807.5	765.5	41.99	19.229			
6,100.0	6,092.4	6,009.1	5,953.3	21.4	23.6	-86.67	-119.0	-741.1	824.4	781.7	42.71	19.302			
6,200.0	6,192.4	6,107.6	6,050.3	21.8	24.1	-86.95	-122.0	-758.0	841.3	797.8	43.42	19.374			
6,300.0	6,292.4	6,206.1	6,147.2	22.1	24.5	-87.22	-125.1	-774.8	858.2	814.0	44.14	19.443			
6,400.0	6,392.4	6,304.6	6,244.2	22.5	25.0	-87.48	-128.2	-791.6	875.1	830.2	44.85	19.510			
6,500.0	6,492.4	6,403.0	6,341.2	22.8	25.4	-87.73	-131.3	-808.4	892.0	846.5	45.57	19.575			
6,600.0	6,592.4	6,501.5	6,438.2	23.2	25.8	-87.97	-134.4	-825.2	909.0	862.7	46.29	19.639			
6,700.0	6,692.4	6,600.0	6,535.2	23.5	26.3	-88.20	-137.5	-842.1	926.0	879.0	47.00	19.701			
6,800.0	6,792.4	6,698.5	6,632.2	23.9	26.7	-88.42	-140.6	-858.9	943.0	895.2	47.72	19.761			
6,900.0	6,892.4	6,797.0	6,729.1	24.2	27.2	-88.63	-143.7	-875.7	960.0	911.5	48.44	19.819			
7,000.0	6,992.4	6,895.4	6,826.1	24.6	27.6	-88.84	-146.7	-892.5	977.0	927.8	49.15	19.876			
7,100.0	7,092.4	6,993.9	6,923.1	24.9	28.0	-89.04	-149.8	-909.3	994.0	944.1	49.87	19.931			
7,200.0	7,192.4	7,092.4	7,020.1	25.3	28.5	-89.24	-152.9	-926.2	1,011.1	960.5	50.59	19.985			
7,300.0	7,292.4	7,190.9	7,117.1	25.6	28.9	-89.42	-156.0	-943.0	1,028.1	976.8	51.31	20.038			
7,400.0	7,392.4	7,289.4	7,214.1	26.0	29.4	-89.60	-159.1	-959.8	1,045.2	993.1	52.03	20.089			
7,500.0	7,492.4	7,387.8	7,311.1	26.3	29.8	-89.78	-162.2	-976.6	1,062.2	1,009.5	52.75	20.139			
7,600.0	7,592.4	7,486.3	7,408.0	26.7	30.2	-89.95	-165.3	-993.4	1,079.3	1,025.9	53.47	20.187			
7,700.0	7,692.4	7,584.8	7,505.0	27.0	30.7	-90.11	-168.4	-1,010.3	1,096.4	1,042.2	54.19	20.234			
7,800.0	7,792.4	7,683.3	7,602.0	27.4	31.1	-90.27	-171.4	-1,027.1	1,113.5	1,058.6	54.91	20.280			
7,900.0	7,892.4	7,788.5	7,705.7	27.8	31.6	-90.44	-174.7	-1,045.0	1,130.6	1,074.9	55.68	20.305			
8,000.0	7,992.4	7,951.2	7,866.8	28.1	32.3	-90.64	-178.8	-1,067.3	1,144.3	1,087.5	56.83	20.137			
8,100.0	8,092.4	8,116.0	8,031.0	28.5	32.9	-90.75	-181.3	-1,080.8	1,152.5	1,094.7	57.83	19.929			
8,200.0	8,192.4	8,281.9	8,196.7	28.8	33.5	-90.79	-182.1	-1,084.9	1,155.0	1,096.3	58.67	19.686			
8,231.3	8,223.8	8,308.9	8,223.8	28.9	33.5	-90.79	-182.1	-1,084.9	1,155.0	1,096.1	58.88	19.616			
8,300.0	8,292.4	8,377.6	8,292.4	29.2	33.7	-90.79	-182.1	-1,084.9	1,155.0	1,095.7	59.35	19.460			
8,400.0	8,392.4	8,477.6	8,392.4	29.5	34.0	-90.79	-182.1	-1,084.9	1,155.0	1,095.0	60.04	19.238			
8,500.0	8,492.4	8,577.6	8,492.4	29.9	34.4	-90.79	-182.1	-1,084.9	1,155.0	1,094.3	60.73	19.020			
8,600.0	8,592.4	8,677.6	8,592.4	30.2	34.7	-90.79	-182.1	-1,084.9	1,155.0	1,093.6	61.41	18.807			
8,700.0	8,692.4	8,777.6	8,692.4	30.6	35.0	-90.79	-182.1	-1,084.9	1,155.0	1,092.9	62.10	18.599			
8,800.0	8,792.4	8,877.6	8,792.4	30.9	35.3	-90.79	-182.1	-1,084.9	1,155.0	1,092.2	62.79	18.394			
8,900.0	8,892.4	8,977.6	8,892.4	31.3	35.6	-90.79	-182.1	-1,084.9	1,155.0	1,091.5	63.48	18.195			
9,000.0	8,992.4	9,077.6	8,992.4	31.6	35.9	-90.79	-182.1	-1,084.9	1,155.0	1,090.8	64.17	17.999			
9,100.0	9,092.4	9,177.6	9,092.4	32.0	36.2	-90.79	-182.1	-1,084.9	1,155.0	1,090.1	64.86	17.807			
9,200.0	9,192.4	9,277.6	9,192.4	32.4	36.5	-90.79	-182.1	-1,084.9	1,155.0	1,089.5	65.55	17.620			
9,300.0	9,292.4	9,377.6	9,292.4	32.7	36.8	-90.79	-182.1	-1,084.9	1,155.0	1,088.8	66.24	17.436			
9,400.0	9,392.4	9,477.6	9,392.4	33.1	37.1	-90.79	-182.1	-1,084.9	1,155.0	1,088.1	66.94	17.255			
9,500.0	9,492.4	9,577.6	9,492.4	33.4	37.5	-90.79	-182.1	-1,084.9	1,155.0	1,087.4	67.63	17.079			
9,574.6	9,567.0	9,652.1	9,567.0	33.7	37.7	-90.79	-182.1	-1,084.9	1,155.0	1,086.9	68.15	16.949			
9,600.0	9,592.4	9,677.6	9,592.4	33.8	37.8	-90.48	-182.1	-1,084.9	1,155.0	1,086.7	68.32	16.906			

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

Permian Resources

Anticollision Report

Company:	NEW MEXICO	Local Co-ordinate Reference:	Well CASA BONITA 8 ST COM #124H
Project:	(SP) LEA	TVD Reference:	KB @ 3615.0usft
Reference Site:	CASA BONITA PROJECT	MD Reference:	KB @ 3615.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	CASA BONITA 8 ST COM #124H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	Compass
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CASA BONITA PROJECT - CASA BONITA 8 ST COM #123H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)				
9,650.0	9,642.2	9,727.4	9,642.2	33.9	37.9	-90.69	-182.1	-1,084.9	1,155.1	1,086.4	68.66	16.824		
9,700.0	9,691.4	9,777.6	9,692.4	34.1	38.1	-91.09	-181.6	-1,084.9	1,155.2	1,086.2	68.98	16.746		
9,750.0	9,739.7	9,829.8	9,744.4	34.3	38.2	-91.50	-176.5	-1,084.9	1,155.4	1,086.1	69.30	16.673		
9,800.0	9,786.7	9,883.1	9,796.5	34.4	38.4	-91.85	-165.4	-1,085.0	1,155.6	1,086.0	69.60	16.604		
9,850.0	9,832.0	9,937.4	9,848.0	34.6	38.5	-92.14	-148.2	-1,085.1	1,155.8	1,085.9	69.88	16.539		
9,900.0	9,875.2	9,992.5	9,897.9	34.7	38.7	-92.36	-125.0	-1,085.2	1,156.0	1,085.8	70.16	16.477		
9,950.0	9,916.1	10,048.2	9,945.2	34.8	38.8	-92.51	-95.8	-1,085.4	1,156.1	1,085.7	70.42	16.417		
10,000.0	9,954.4	10,104.2	9,989.1	35.0	38.9	-92.59	-61.1	-1,085.6	1,156.2	1,085.5	70.67	16.359		
10,050.0	9,989.7	10,160.3	10,028.8	35.1	39.0	-92.59	-21.3	-1,085.8	1,156.2	1,085.2	70.92	16.301		
10,100.0	10,021.8	10,216.4	10,063.4	35.2	39.0	-92.51	22.7	-1,086.1	1,156.1	1,084.9	71.17	16.243		
10,150.0	10,050.5	10,272.0	10,092.5	35.4	39.1	-92.36	70.1	-1,086.3	1,156.0	1,084.5	71.43	16.183		
10,200.0	10,075.4	10,327.1	10,115.6	35.5	39.1	-92.13	120.0	-1,086.6	1,155.8	1,084.1	71.69	16.121		
10,250.0	10,096.5	10,381.3	10,132.6	35.6	39.1	-91.84	171.5	-1,086.9	1,155.6	1,083.6	71.97	16.057		
10,300.0	10,113.6	10,434.6	10,143.5	35.8	39.2	-91.49	223.6	-1,087.2	1,155.4	1,083.1	72.25	15.991		
10,350.0	10,126.5	10,486.8	10,148.6	35.9	39.2	-91.08	275.5	-1,087.5	1,155.2	1,082.6	72.54	15.924		
10,400.0	10,135.1	10,536.9	10,149.0	36.1	39.3	-90.68	325.7	-1,087.8	1,155.1	1,082.2	72.85	15.856		
10,450.0	10,139.4	10,586.7	10,149.0	36.2	39.4	-90.47	375.5	-1,088.1	1,155.0	1,081.9	73.15	15.790		
10,474.2	10,140.0	10,610.9	10,149.0	36.3	39.4	-90.45	399.7	-1,088.3	1,155.0	1,081.7	73.30	15.757		
10,474.6	10,140.0	10,611.3	10,149.0	36.3	39.4	-90.45	400.0	-1,088.3	1,155.0	1,081.7	73.30	15.757		
10,500.0	10,140.0	10,636.7	10,149.0	36.4	39.5	-90.45	425.5	-1,088.4	1,155.0	1,081.5	73.47	15.720		
10,600.0	10,140.0	10,736.7	10,149.0	36.8	39.7	-90.45	525.5	-1,089.0	1,155.0	1,080.8	74.21	15.564		
10,700.0	10,140.0	10,836.7	10,149.0	37.2	40.0	-90.45	625.5	-1,089.6	1,155.0	1,079.9	75.09	15.382		
10,800.0	10,140.0	10,936.7	10,149.0	37.7	40.5	-90.45	725.5	-1,090.2	1,155.0	1,078.9	76.10	15.178		
10,900.0	10,140.0	11,036.7	10,149.0	38.3	41.0	-90.45	825.5	-1,090.7	1,155.0	1,077.8	77.23	14.955		
11,000.0	10,140.0	11,136.7	10,149.0	38.9	41.5	-90.45	925.5	-1,091.3	1,155.0	1,076.5	78.49	14.715		
11,100.0	10,140.0	11,236.7	10,149.0	39.6	42.1	-90.45	1,025.5	-1,091.9	1,155.0	1,075.1	79.87	14.461		
11,200.0	10,140.0	11,336.7	10,149.0	40.4	42.8	-90.45	1,125.5	-1,092.5	1,155.0	1,073.7	81.36	14.197		
11,300.0	10,140.0	11,436.7	10,149.0	41.2	43.6	-90.45	1,225.5	-1,093.1	1,155.0	1,072.1	82.95	13.924		
11,400.0	10,140.0	11,536.7	10,149.0	42.0	44.4	-90.45	1,325.5	-1,093.6	1,155.0	1,070.4	84.64	13.646		
11,500.0	10,140.0	11,636.7	10,149.0	42.9	45.2	-90.45	1,425.5	-1,094.2	1,155.0	1,068.6	86.43	13.364		
11,600.0	10,140.0	11,736.7	10,149.0	43.9	46.1	-90.45	1,525.5	-1,094.8	1,155.0	1,066.7	88.30	13.081		
11,700.0	10,140.0	11,836.7	10,149.0	44.9	47.0	-90.45	1,625.5	-1,095.4	1,155.0	1,064.8	90.25	12.797		
11,800.0	10,140.0	11,936.7	10,149.0	45.9	48.0	-90.45	1,725.5	-1,096.0	1,155.0	1,062.7	92.29	12.516		
11,900.0	10,140.0	12,036.7	10,149.0	47.0	49.0	-90.45	1,825.5	-1,096.5	1,155.0	1,060.6	94.39	12.237		
12,000.0	10,140.0	12,136.7	10,149.0	48.0	50.1	-90.45	1,925.5	-1,097.1	1,155.0	1,058.5	96.56	11.962		
12,100.0	10,140.0	12,236.7	10,149.0	49.2	51.1	-90.45	2,025.5	-1,097.7	1,155.0	1,056.2	98.79	11.692		
12,200.0	10,140.0	12,336.7	10,149.0	50.3	52.3	-90.45	2,125.4	-1,098.3	1,155.0	1,053.9	101.08	11.426		
12,300.0	10,140.0	12,436.7	10,149.0	51.5	53.4	-90.45	2,225.4	-1,098.9	1,155.0	1,051.6	103.43	11.167		
12,400.0	10,140.0	12,536.7	10,149.0	52.7	54.6	-90.45	2,325.4	-1,099.5	1,155.0	1,049.2	105.83	10.914		
12,500.0	10,140.0	12,636.7	10,149.0	53.9	55.7	-90.45	2,425.4	-1,100.0	1,155.0	1,046.7	108.27	10.668		
12,600.0	10,140.0	12,736.7	10,149.0	55.2	57.0	-90.45	2,525.4	-1,100.6	1,155.0	1,044.3	110.76	10.428		
12,700.0	10,140.0	12,836.7	10,149.0	56.5	58.2	-90.45	2,625.4	-1,101.2	1,155.0	1,041.7	113.29	10.195		
12,800.0	10,140.0	12,936.7	10,149.0	57.8	59.4	-90.45	2,725.4	-1,101.8	1,155.0	1,039.2	115.86	9.969		
12,900.0	10,140.0	13,036.7	10,149.0	59.1	60.7	-90.45	2,825.4	-1,102.4	1,155.0	1,036.6	118.47	9.750		
13,000.0	10,140.0	13,136.7	10,149.0	60.4	62.0	-90.45	2,925.4	-1,102.9	1,155.0	1,033.9	121.11	9.537		
13,100.0	10,140.0	13,236.7	10,149.0	61.7	63.3	-90.45	3,025.4	-1,103.5	1,155.0	1,031.2	123.78	9.331		
13,200.0	10,140.0	13,336.7	10,149.0	63.1	64.6	-90.45	3,125.4	-1,104.1	1,155.0	1,028.5	126.48	9.132		
13,300.0	10,140.0	13,436.7	10,149.0	64.5	66.0	-90.45	3,225.4	-1,104.7	1,155.0	1,025.8	129.21	8.939		
13,400.0	10,140.0	13,536.7	10,149.0	65.8	67.3	-90.45	3,325.4	-1,105.3	1,155.0	1,023.1	131.97	8.752		
13,500.0	10,140.0	13,636.7	10,149.0	67.2	68.7	-90.45	3,425.4	-1,105.8	1,155.0	1,020.3	134.75	8.572		
13,600.0	10,140.0	13,736.7	10,149.0	68.6	70.1	-90.45	3,525.4	-1,106.4	1,155.0	1,017.5	137.55	8.397		
13,700.0	10,140.0	13,836.7	10,149.0	70.1	71.4	-90.45	3,625.4	-1,107.0	1,155.0	1,014.6	140.38	8.228		

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

Permian Resources

Anticollision Report

Company:	NEW MEXICO	Local Co-ordinate Reference:	Well CASA BONITA 8 ST COM #124H
Project:	(SP) LEA	TVD Reference:	KB @ 3615.0usft
Reference Site:	CASA BONITA PROJECT	MD Reference:	KB @ 3615.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	CASA BONITA 8 ST COM #124H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	Compass
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: CASA BONITA PROJECT - CASA BONITA 8 ST COM #123H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
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		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Centres (usft)	Ellipses (usft)				
13,800.0	10,140.0	13,936.7	10,149.0	71.5	72.8	-90.45	3,725.4	-1,107.6	1,155.0	1,011.8	143.22	8.065		
13,900.0	10,140.0	14,036.7	10,149.0	72.9	74.2	-90.45	3,825.4	-1,108.2	1,155.0	1,008.9	146.09	7.906		
14,000.0	10,140.0	14,136.7	10,149.0	74.4	75.7	-90.45	3,925.4	-1,108.8	1,155.0	1,006.1	148.97	7.753		
14,100.0	10,140.0	14,236.7	10,149.0	75.8	77.1	-90.45	4,025.4	-1,109.3	1,155.0	1,003.2	151.87	7.605		
14,200.0	10,140.0	14,336.7	10,149.0	77.3	78.5	-90.45	4,125.4	-1,109.9	1,155.0	1,000.2	154.79	7.462		
14,300.0	10,140.0	14,436.7	10,149.0	78.8	80.0	-90.45	4,225.4	-1,110.5	1,155.0	997.3	157.72	7.323		
14,400.0	10,140.0	14,536.7	10,149.0	80.2	81.4	-90.45	4,325.4	-1,111.1	1,155.0	994.4	160.66	7.189		
14,500.0	10,140.0	14,636.7	10,149.0	81.7	82.9	-90.45	4,425.4	-1,111.7	1,155.0	991.4	163.62	7.059		
14,600.0	10,140.0	14,736.7	10,149.0	83.2	84.4	-90.45	4,525.4	-1,112.2	1,155.0	988.4	166.60	6.933		
14,700.0	10,140.0	14,836.7	10,149.0	84.7	85.8	-90.45	4,625.4	-1,112.8	1,155.0	985.4	169.58	6.811		
14,800.0	10,140.0	14,936.7	10,149.0	86.2	87.3	-90.45	4,725.4	-1,113.4	1,155.0	982.5	172.58	6.693		
14,900.0	10,140.0	15,036.7	10,149.0	87.7	88.8	-90.45	4,825.4	-1,114.0	1,155.0	979.4	175.58	6.578		
15,000.0	10,140.0	15,136.7	10,149.0	89.2	90.3	-90.45	4,925.4	-1,114.6	1,155.0	976.4	178.60	6.467		
15,100.0	10,140.0	15,236.7	10,149.0	90.7	91.8	-90.45	5,025.4	-1,115.1	1,155.0	973.4	181.63	6.359		
15,200.0	10,140.0	15,336.7	10,149.0	92.3	93.3	-90.45	5,125.4	-1,115.7	1,155.0	970.4	184.67	6.255		
15,300.0	10,140.0	15,436.7	10,149.0	93.8	94.8	-90.45	5,225.4	-1,116.3	1,155.0	967.3	187.71	6.153		
15,400.0	10,140.0	15,536.7	10,149.0	95.3	96.3	-90.45	5,325.4	-1,116.9	1,155.0	964.3	190.77	6.055		
15,500.0	10,140.0	15,636.7	10,149.0	96.8	97.8	-90.45	5,425.4	-1,117.5	1,155.0	961.2	193.83	5.959		
15,600.0	10,140.0	15,736.7	10,149.0	98.4	99.3	-90.45	5,525.4	-1,118.1	1,155.0	958.1	196.90	5.866		
15,700.0	10,140.0	15,836.7	10,149.0	99.9	100.9	-90.45	5,625.4	-1,118.6	1,155.0	955.1	199.98	5.776		
15,800.0	10,140.0	15,936.7	10,149.0	101.5	102.4	-90.45	5,725.4	-1,119.2	1,155.0	952.0	203.06	5.688		
15,900.0	10,140.0	16,036.7	10,149.0	103.0	103.9	-90.45	5,825.4	-1,119.8	1,155.0	948.9	206.15	5.603		
16,000.0	10,140.0	16,136.7	10,149.0	104.6	105.5	-90.45	5,925.4	-1,120.4	1,155.0	945.8	209.25	5.520		
16,100.0	10,140.0	16,236.7	10,149.0	106.1	107.0	-90.45	6,025.4	-1,121.0	1,155.0	942.7	212.36	5.439		
16,200.0	10,140.0	16,336.7	10,149.0	107.7	108.6	-90.45	6,125.4	-1,121.5	1,155.0	939.6	215.47	5.361		
16,300.0	10,140.0	16,436.7	10,149.0	109.2	110.1	-90.45	6,225.4	-1,122.1	1,155.0	936.5	218.58	5.284		
16,400.0	10,140.0	16,536.7	10,149.0	110.8	111.6	-90.45	6,325.4	-1,122.7	1,155.0	933.3	221.70	5.210		
16,500.0	10,140.0	16,636.7	10,149.0	112.4	113.2	-90.45	6,425.4	-1,123.3	1,155.0	930.2	224.83	5.137		
16,600.0	10,140.0	16,736.7	10,149.0	113.9	114.8	-90.45	6,525.4	-1,123.9	1,155.0	927.1	227.96	5.067		
16,700.0	10,140.0	16,836.7	10,149.0	115.5	116.3	-90.45	6,625.4	-1,124.4	1,155.0	923.9	231.10	4.998		
16,800.0	10,140.0	16,936.7	10,149.0	117.1	117.9	-90.45	6,725.4	-1,125.0	1,155.0	920.8	234.24	4.931		
16,900.0	10,140.0	17,036.7	10,149.0	118.6	119.4	-90.45	6,825.4	-1,125.6	1,155.0	917.7	237.38	4.866		
17,000.0	10,140.0	17,136.7	10,149.0	120.2	121.0	-90.45	6,925.4	-1,126.2	1,155.0	914.5	240.53	4.802		
17,100.0	10,140.0	17,236.7	10,149.0	121.8	122.6	-90.45	7,025.4	-1,126.8	1,155.0	911.4	243.69	4.740		
17,200.0	10,140.0	17,336.7	10,149.0	123.4	124.1	-90.45	7,125.4	-1,127.4	1,155.0	908.2	246.84	4.679		
17,300.0	10,140.0	17,436.7	10,149.0	125.0	125.7	-90.45	7,225.4	-1,127.9	1,155.0	905.0	250.00	4.620		
17,400.0	10,140.0	17,536.7	10,149.0	126.5	127.3	-90.45	7,325.4	-1,128.5	1,155.0	901.9	253.17	4.562		
17,500.0	10,140.0	17,636.7	10,149.0	128.1	128.9	-90.45	7,425.4	-1,129.1	1,155.0	898.7	256.34	4.506		
17,600.0	10,140.0	17,736.7	10,149.0	129.7	130.4	-90.45	7,525.4	-1,129.7	1,155.0	895.5	259.51	4.451		
17,700.0	10,140.0	17,836.7	10,149.0	131.3	132.0	-90.45	7,625.4	-1,130.3	1,155.0	892.4	262.68	4.397		
17,702.4	10,140.0	17,839.2	10,149.0	131.3	132.1	-90.45	7,627.8	-1,130.3	1,155.0	892.3	262.76	4.396		
17,740.2	10,140.0	17,871.6	10,149.0	131.9	132.6	-90.45	7,660.2	-1,130.5	1,155.1	891.1	263.92	4.376 SF		

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

10/17/2023 10:00:06AM

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COMPASS 5000.17 Build 03

Permian Resources

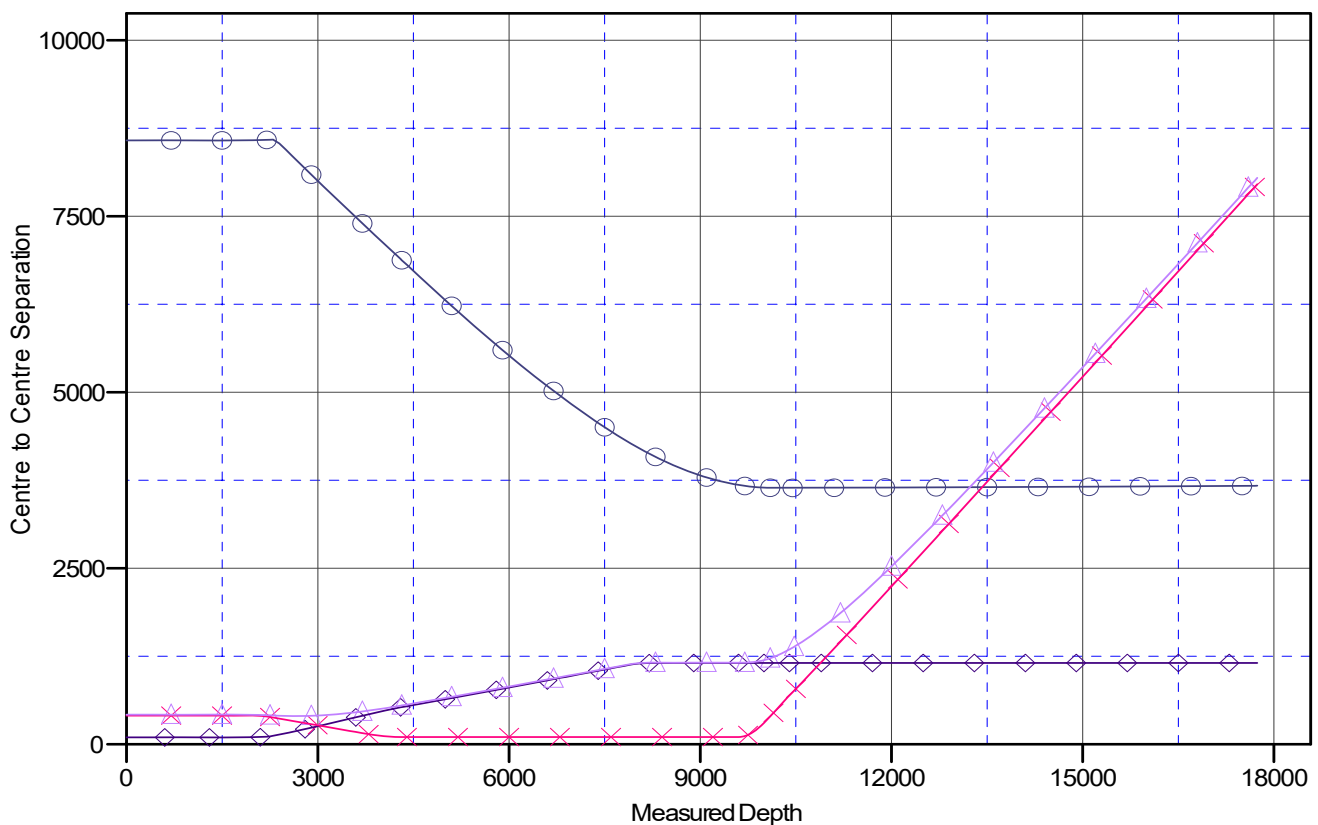
Anticollision Report

Company:	NEW MEXICO	Local Co-ordinate Reference:	Well CASA BONITA 8 ST COM #124H
Project:	(SP) LEA	TVD Reference:	KB @ 3615.0usft
Reference Site:	CASA BONITA PROJECT	MD Reference:	KB @ 3615.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	CASA BONITA 8 ST COM #124H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	Compass
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB @ 3615.0usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: CASA BONITA 8 ST COM #124H
 Coordinate System is US State Plane 1983, New Mexico Eastern Zone
 Grid Convergence at Surface is: 0.51°

Ladder Plot



LEGEND

- CASA BONITA 32 ST COM#124H, OWB, PWP0 V0
- ◆ CASA BONITA 8 ST COM #23H, OWB, PWP0 V0
- ✕ BUTTERS STITCH 8 ST COM #124H, OWB, PWP0 V0
- ✕ BUTTERS STITCH 8 ST COM #123H, OWB, PWP0 V0

Permian Resources

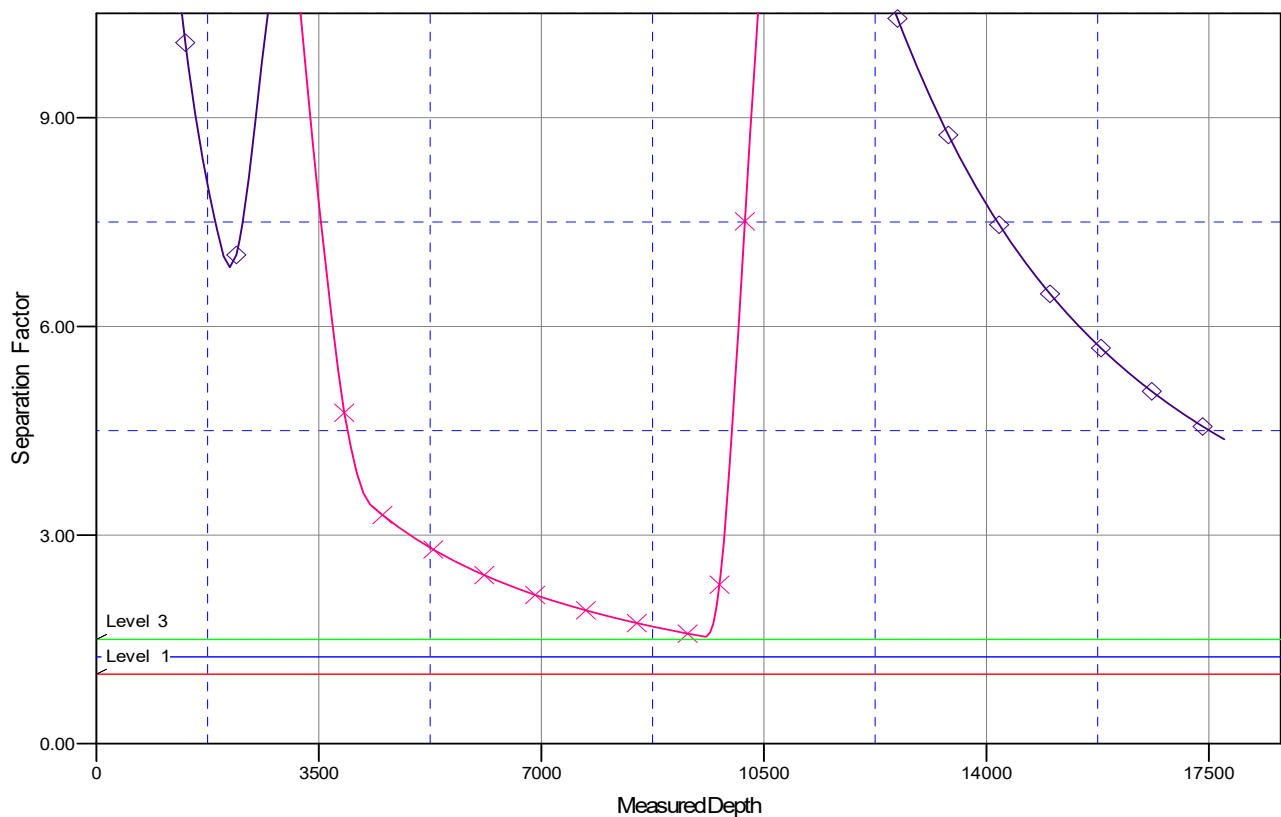
Anticollision Report

Company:	NEW MEXICO	Local Co-ordinate Reference:	Well CASA BONITA 8 ST COM #124H
Project:	(SP) LEA	TVD Reference:	KB @ 3615.0usft
Reference Site:	CASA BONITA PROJECT	MD Reference:	KB @ 3615.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	CASA BONITA 8 ST COM #124H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	Compass
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB @ 3615.0usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: CASA BONITA 8 ST COM #124H
 Coordinate System is US State Plane 1983, New Mexico Eastern Zone
 Grid Convergence at Surface is: 0.51°

Separation Factor Plot



LEGEND

CASA BONITA 8 ST COM #124H, OWB, PWP0 V0
 BUTTERS STOTCH 8 ST COM #124H, OWB, PWP0 V0
 BUTTERS STOTCH 8 ST COM #123H, OWB, PWP0 V0

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018