

Well Name: PHANTOM BANK 31 FED COM	Well Location: T26S / R31E / SEC 32 / NWNW /	County or Parish/State:
Well Number: 702H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM138868	Unit or CA Name:	Unit or CA Number:
US Well Number:	Well Status: Approved Application for Permit to Drill	Operator: FLAT CREEK RESOURCES LLC

Notice of Intent

Sundry ID: 2648995

Type of Submission: Notice of Intent	Type of Action: Other
Date Sundry Submitted: 12/15/2021	Time Sundry Submitted: 01:21
Date proposed operation will begin: 02/01/2022	

Procedure Description: Change surface location on the same pad, change the bottom hole location, and change the formation drilled. Revised the casing, cementing and directional drilling programs as applicable.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- 5.5_TCBC_HT_6.3_OD_20211215132106.pdf
- 5.5_TCBC_HT_5.9_OD_20211215132106.pdf
- Phantom_Bank_31_Fed_Com_702H__Plan_1_12_14_21_20211215132025.pdf
- Phantom_Bank_31_Fed_Com_702H__Plan_1_12_14_21_AC_Report_20211215132025.pdf
- 702H_Casing_design_factors_20211215132025.xlsx
- Phantom_Bank_31_Fed_Com_702H_GeoProg_20211215131955.pdf
- Phantom_Bank_31_Fed_Com_Pad_1_No.702H__Road_Plat_Cert_12_10_21_20211215131827.pdf
- PHANTOM_BANK_31_FED_COM_702H_C_102_Cert_12_10_21_20211215131827.pdf

Well Name: PHANTOM BANK 31 FED COM	Well Location: T26S / R31E / SEC 32 / NWNW /	County or Parish/State:
Well Number: 702H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM138868	Unit or CA Name:	Unit or CA Number:
US Well Number:	Well Status: Approved Application for Permit to Drill	Operator: FLAT CREEK RESOURCES LLC

Phantom_Bank_31_Fed_Com_Pad_1_SUP_As_Built_Cert_12_13_21_20211215131827.pdf

Sundry_702H_Application_20211215131520.docx

Sundry_702H_Produced_Water_Disposal_20211215131520.docx

Sundry_702H_Drilling_Plan_20211215131520.docx

Sundry_702H_Surface_Use_Plan_of_Operations_20211215131520.docx

Conditions of Approval

Additional Reviews

32_26_31_D_Sundry_ID_2648995_Phantom_Bank_31_Fed_Com_702H_Eddy_NM138868_Flat_Creek_Resources_LL
C_13_22c_5_12_2021_LV_20220106104752.pdf

Phantom_Bank_31_Fed_Com_702H_Dr_Sundry_ID_2648995_20220106104752.pdf

Sundry_702H_Drilling_Plan_20220106104752.docx

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: RODNEY LITTLETON	Signed on: DEC 15, 2021 01:21 PM
Name: FLAT CREEK RESOURCES LLC	
Title: Vice President – Operations	
Street Address: 777 Main Street, Suite 3600	
City: Fort Worth	State: TX
Phone: (817) 310-8578	
Email address: rodney.littleton@flatcreekresources.com	

Field Representative

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

Well Name: PHANTOM BANK 31 FED COM	Well Location: T26S / R31E / SEC 32 / NWNW /	County or Parish/State:
Well Number: 702H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM138868	Unit or CA Name:	Unit or CA Number:
US Well Number:	Well Status: Approved Application for Permit to Drill	Operator: FLAT CREEK RESOURCES LLC

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752342234	BLM POC Email Address: cwalls@blm.gov
Disposition: Approved	Disposition Date: 01/12/2022
Signature: Chris Walls	

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-49204	² Pool Code 98319	³ Pool Name WC 015 G 06 S242630A; Bone Spring
⁴ Property Code 327168	⁵ Property Name PHANTOM BANK 31 FED COM	⁶ Well Number 702H
⁷ OGRID No. 374034	⁸ Operator Name FLAT CREEK RESOURCES, LLC	⁹ Elevation 3129'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	32	26 SOUTH	31 EAST, N.M.P.M.		640'	NORTH	300'	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L1	31	26 SOUTH	31 EAST, N.M.P.M.		430'	NORTH	30'	WEST	EDDY

¹² Dedicated Acres 264.48	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

PROPOSED LAST TAKE POINT X= 657,472' Y= 365,816' LAT. 32.004726° N LONG. 103.825326° W NAD 27 X= 698,659' Y= 365,874' LAT. 32.004851° N LONG. 103.825801° W NAD83/86	PROPOSED FIRST TAKE POINT X= 662,606' Y= 365,890' LAT. 32.004860° N LONG. 103.808766° W NAD 27 X= 703,792' Y= 365,947' LAT. 32.004985° N LONG. 103.809240° W NAD83/86	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> Rodney Littleton 12/15/2021 Signature Date Rodney Littleton Printed Name rodney.littleton@flatcreekresources.com E-mail Address	
PROPOSED BOTTOM HOLE LOCATION X= 657,402' Y= 365,815' LAT. 32.004724° N LONG. 103.825552° W NAD 27 X= 698,589' Y= 365,873' LAT. 32.004850° N LONG. 103.826027° W NAD83/86	CORNER COORDINATES TABLE (NAD 27) A - Y=366245.06, X=657370.11 B - Y=366283.60, X=660040.51 C - Y=366321.04, X=662703.16 D - Y=366332.89, X=665368.25 E - Y=364109.66, X=657381.51 F - Y=364123.23, X=660052.17 G - Y=364137.17, X=662715.32 PHANTOM BANK 31 FED COM NO. 702H WELL X= 663,007' Y= 365,682' LAT. 32.004285° N LONG. 103.807475° W NAD 27 X= 704,194' Y= 365,739' LAT. 32.004410° N LONG. 103.807949° W NAD83/86 ELEV. +3129' NAVD88	¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> 12/03/2021 Date of Survey Signature and Seal of Professional Surveyor ROBERT L. LASTRAPES NEW MEXICO 23006 12/10/2021 Certificate Number	
Diagram:			Diagram:

Sundry Notice Detail - Application**Phantom Bank 31 Fed Com 702H****Notice of Intent:**

Procedure Description: Move well surface location, revise bottom hole location, and change producing horizon.

Section 1 – General: No change

Section 2- Well Information

New Master Development Plan Name: No change

Well Name: No change

Field Name: Change Field Name from Purple Sage; Wolfcamp to West Jennings; Bone Spring

Pool Name: Change from Purple Sage; Wolfcamp to Bone Spring

Pad Name: No change

New Well Plat Added

New SUP Added

Well Work Start Date Change: Change from 03/14/2021 to 01/01/2022

Well Work Duration (Days) Change: Change from 30 days to 20 days

Section 3 – Well Location

	<u>Old Location</u>	<u>New Location</u>
Surface change	400' FWL 600' FNL (Sec 32)	300' FWL 610' FNL (Sec 32)
KOP change	400' FWL 600' FNL (Sec 32)	360' FWL 387' FNL (Sec 32)
PPP Change	100' FEL 330' FNL (Sec 31)	100' FEL 430' FNL (Sec 31)
Exit Change	100' FWL 330' FNL (Sec 31)	100' FWL 430' FNL (Sec 31)
BHL Change	30' FWL 330' FNL (Sec 31)	30' FWL 430' FNL (Sec 31)

(Revisions are on new plat and on Sundry)

Sundry Notice Detail – Drilling Plan

Phantom Bank 31 Fed Com 702H

Notice of Intent:

Procedure Description: Move well surface location, revise bottom hole location, and change producing horizon.

Drilling Plan

Section 1 – Geologic Formations Change: See attached spreadsheet with geologic formations

Section 2 – Blowout Preventer Testing Procedure: No change

Section 3 – Hole Size and Casing Change:

Surface: Change hole size from 17-1/2" to 14-3/4".
Change from 13-3/8" casing to 10-3/4" casing

Intermediate: Change hole size from 12-1/4" to 9-7/8".
Change from 9-5/8" casing at 5400' to 7-5/8" casing at 8000'

Production: Change hole size from 8-3/4" to 6-3/4"
Casing size remains 5-1/2" with revised connections

5-1/2" casing will run from surface to 7700' (TCBC-HT connection, OD of coupling 6.3")

5-1/2" casing will run from 7700' to TD (approximately 14,812')
TCBC-HT connection, OD of coupling 5.9"

Section 4 – Cement Change:

Surface: Revised volumes and properties for revised casing size

- Lead cement: 338 sacks at 13.5 ppg, 1.74 cubic feet/sack yield

- Tail cement: 234 sacks at 14.8 ppg, 1.34 cubic feet/sack yield

Intermediate: Revised volumes and properties for revised casing size and depth.
Excess volume increased to 50%

- Lead cement: 518 sacks at 10.5 ppg, 4.04 cubic feet/sack yield
- Tail cement: 320 sacks at 14.8 ppg, 1.34 cubic feet/sack yield

Production: Revised volumes increasing excess to 35%

- Cement: 761 sacks at 14.2 ppg, 1.26 cubic feet/sack yield

Section 5 – Circulating Medium Change:

Surface: No change

Intermediate: Change of depth to drill to.

Production: Change cut brine at approximately 9.0 ppg

Section 6 – Test, Logging, Coring: No change

Section 7 – Pressure: Change of pressure due to change in formation

Section 8 – Other Information: Change to new directional plan

Well Name: PHANTOM BANK 31 FED COM
Well Type: OIL
Section 1 - Geologic Formations

Well Number: 702H
Well Work Type: DRILL
EKB: 3160'

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth
1	ALLUVIUM		3155	26
2	RUSLTER		2275	880
3	TOP SALT		1655	1500
4	BASE SALT		-430	3585
5	LAMAR		-630	3785
6	BELL CANYON		-670	3825
7	CHERRY CANYON		-1590	4745
8	BRUSHY CANYON		-2930	6085
9	BONE SPRING LIME		-4545	7700
10	1ST BONE SPRING SAND		-5535	8690
11	2ND BONE SPRING SHALE		-5845	9000
12	2ND BONE SPRING SAND		-6165	9320
13	2ND BONE SPRING SAND TARGET		-6291	9446
	TD		-6239	9394
	KOP			
	PP			
	ANTICIPATED BHP:		4251 PSI	
	ANTICIPATED BHT:		165 DEG F	
	LOGGING PROGRAM:			
	MWD GR			

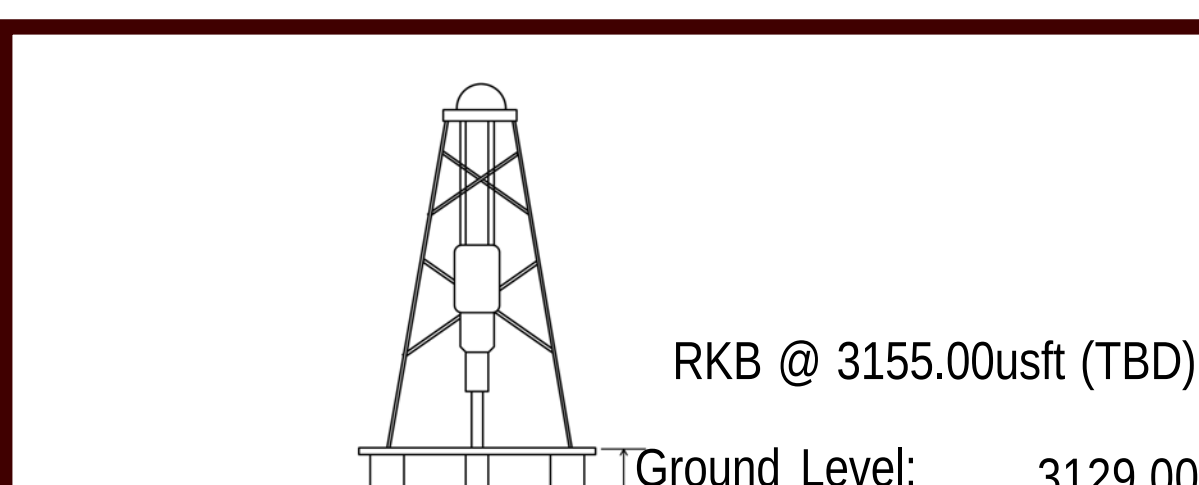
Lithologies	Mineral Resources	Producing Formation
SAND & SHALE	NONE	NO
ANHYDRITE	NONE	NO
SALT	NONE	NO
ANHYDRITE	NONE	NO
LIMESTONE & SHALE	OIL & GAS	NO
SAND & SHALE	OIL & GAS	NO
SAND & SHALE	OIL & GAS	NO
SAND & SHALE	OIL & GAS	NO
LIMESTONE	OIL & GAS	NO
SANDSTONE	OIL & GAS	NO
LIMESTONE & SHALE	OIL & GAS	NO
SANDSTONE	OIL & GAS	YES
SANDSTONE	OIL & GAS	YES

Phantom Bank 31 Fed Com

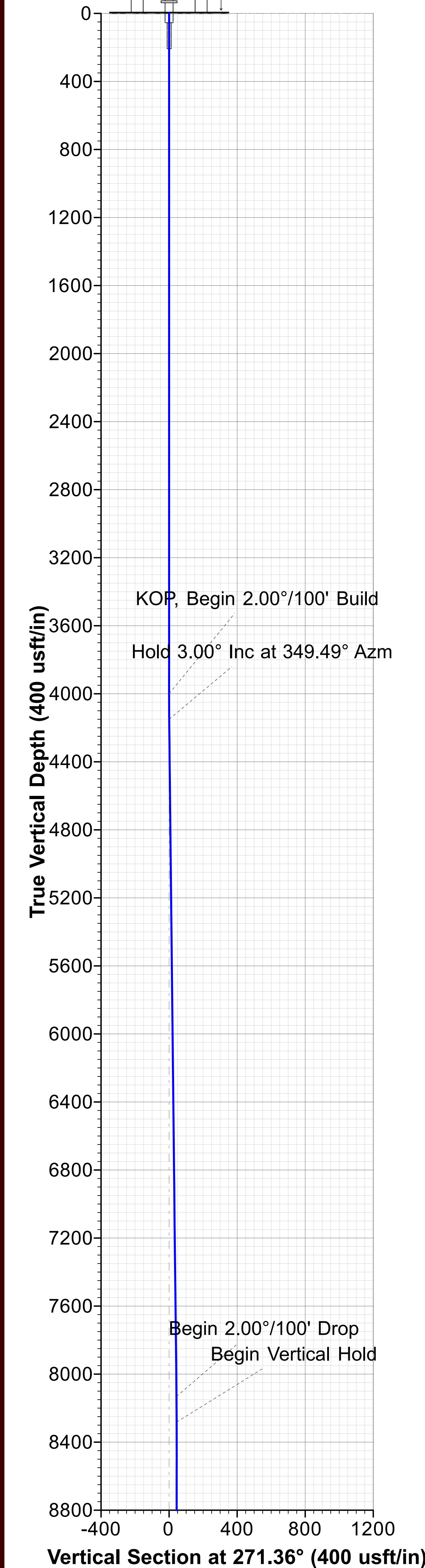
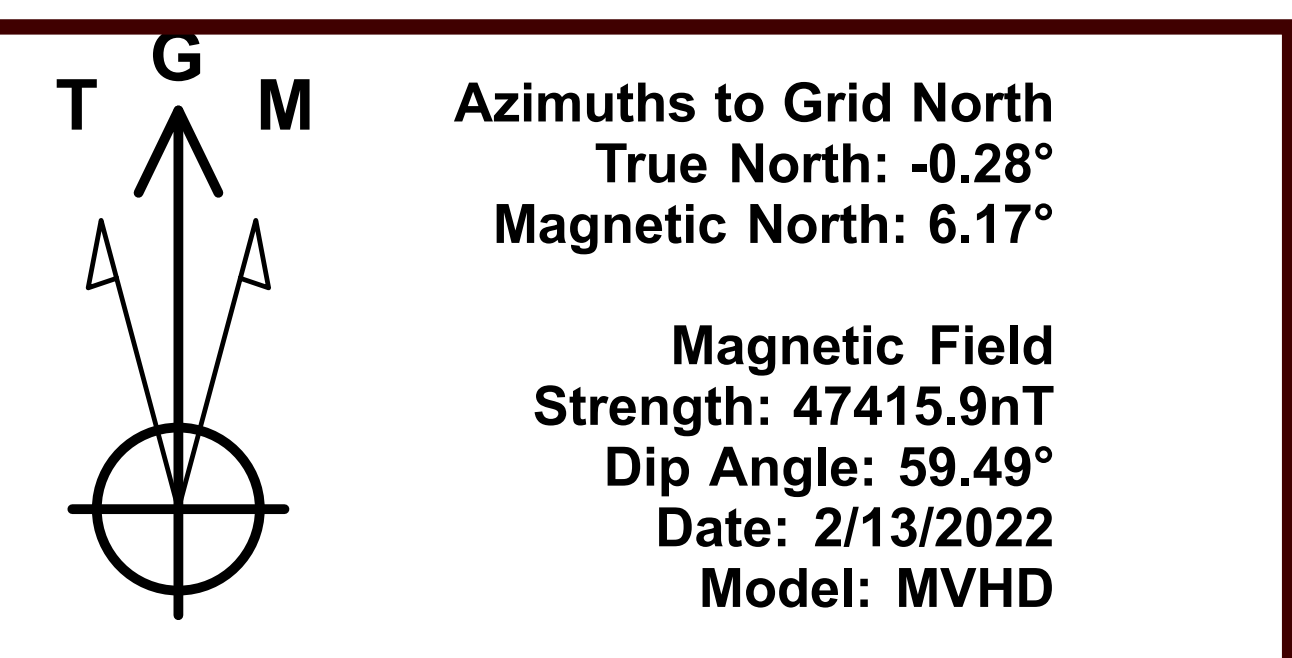
Well: 501H

Casing Design Data

	Surface	Intermediate 1	Intermediate 2 or Liner	Production or Liner	Production 2
Top Setting Depth MD	0	0	None	0	7700
Top Setting Depth TVD	0	0		0	7700
Top Setting Depth MSL	3129	3129		3129	-4571
Bottom Setting Depth MD	720	8000		7700	14812
Bottom Setting Depth TVD	720	8000		7700	9393
Bottom Setting Depth MSL	2409	-4871		-4571	-6264
Calculated Casing Length MD	720	8000		7700	7112
Size	10.75	7.625		5.5	5.5
Grade	J-55	HCL-80		P-110 HC	P-110 HC
Weight	54.5	29.7		20	20
Joint	STC	Butt		TCBC-HT	TCBC-HT
Condition (new or used)	New	New		New	New
Standard (API, Non-API)	API	API		API	API
Tapered (Yes, No)	No	No		Yes	Yes
Collapse Design Safety Factor	6.2	1.7		2.8	2.1
Burst Design Safety Factor	7.6	1.7		2.9	2
Body Tensile Design Safety Factor type (Dry or Buoyant)	Dry	Dry		Dry	
Body Tensile Design Safety Factor type	15.7	2.9		2.1	Horizontal
Joint Tensile Design Safety Factor type (Dry or Buoyant)	Dry	Dry		Dry	
Joint Tensile Design Safety Factor type	17.5	3.3		2.1	Horizontal
Coupling OD				6.3"	5.9"



Project: Eddy County, NM (NAD27 NME)
Site: Phantom Bank 31 Fed Com
Well: 702H
Wellbore: OH
Design: Plan 1 12-14-21
Rig: TBD



WELL DETAILS						
			3129.00			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	365682.00	663007.00	32° 0' 15.420825 N	103° 48' 26.906714 W	

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	KOP, Begin 2.00°/100' Build
3	4150.20	3.00	349.49	4150.13	3.87	-0.72	2.00	349.49	0.81	Hold 3.00° Inc at 349.49° Azm
4	8137.75	3.00	349.49	8132.20	209.34	-38.82	0.00	0.00	43.78	Begin 2.00°/100' Drop
5	8287.95	0.00	0.00	8282.34	213.21	-39.54	2.00	180.00	44.59	Begin Vertical Hold
6	8972.95	0.00	0.00	8967.34	213.21	-39.54	0.00	0.00	44.59	KOP2, Begin 12.00°/100' Build
7	9727.79	90.58	269.17	9444.78	206.26	-521.79	12.00	269.17	526.53	LP, Hold 90.58° Inc at 269.17° Azm
8	14811.79	90.58	269.17	9393.31	133.00	-5605.00	0.00	0.00	5606.58	TD at 14811.79

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
BHL - Phantom Bank 31 Fed Com 702H	9393.31	133.00	-5605.00	365815.00	657402.00	32° 0' 17.002218 N	103° 49' 31.991293 W
LTP - Phantom Bank 31 Fed Com 702H	9394.02	134.00	-5535.00	365816.00	657472.00	32° 0' 17.008859 N	103° 49' 31.178312 W
FTP - Phantom Bank 31 Fed Com 702H	9446.00	208.00	-401.00	365890.00	662606.00	32° 0' 17.498539 N	103° 48' 31.551867 W

Map System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone Name: New Mexico East 3001

Local Origin: Well 702H, Grid North

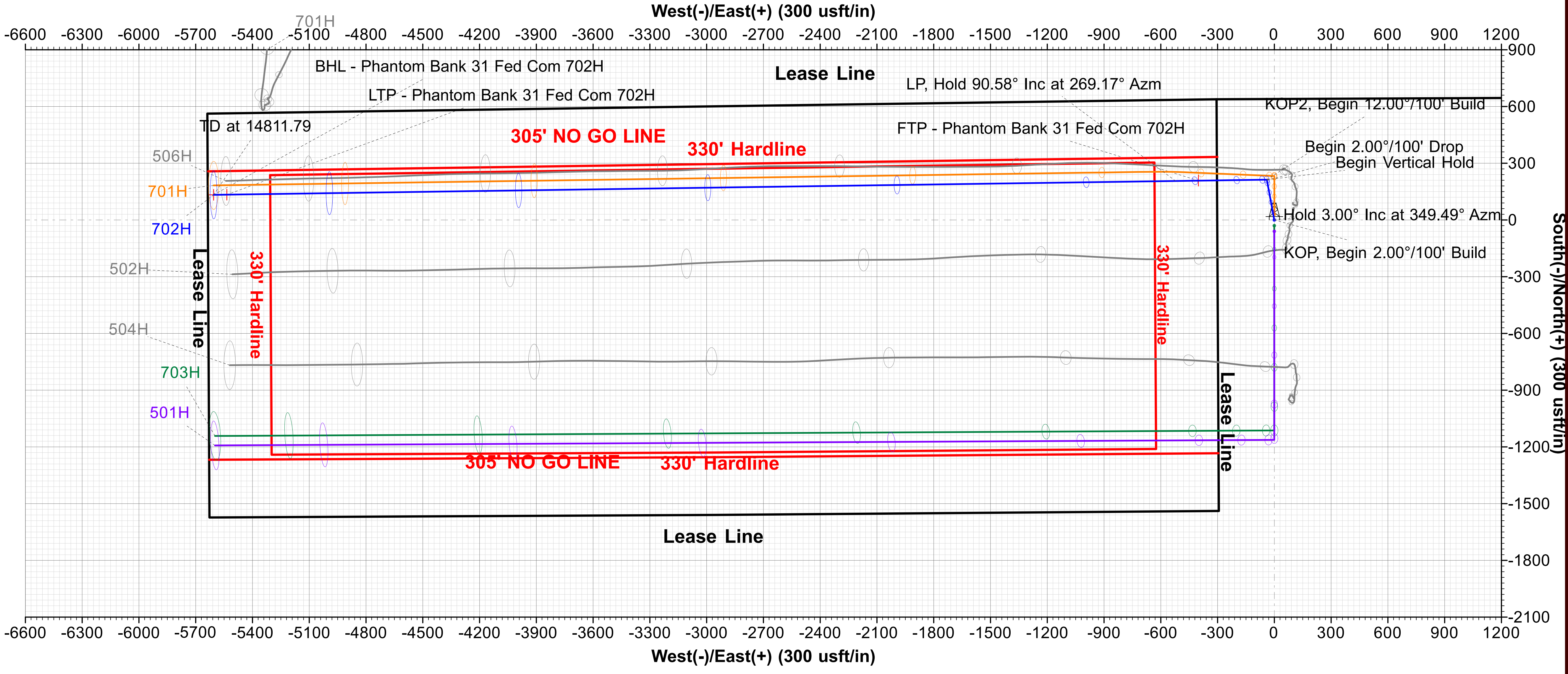
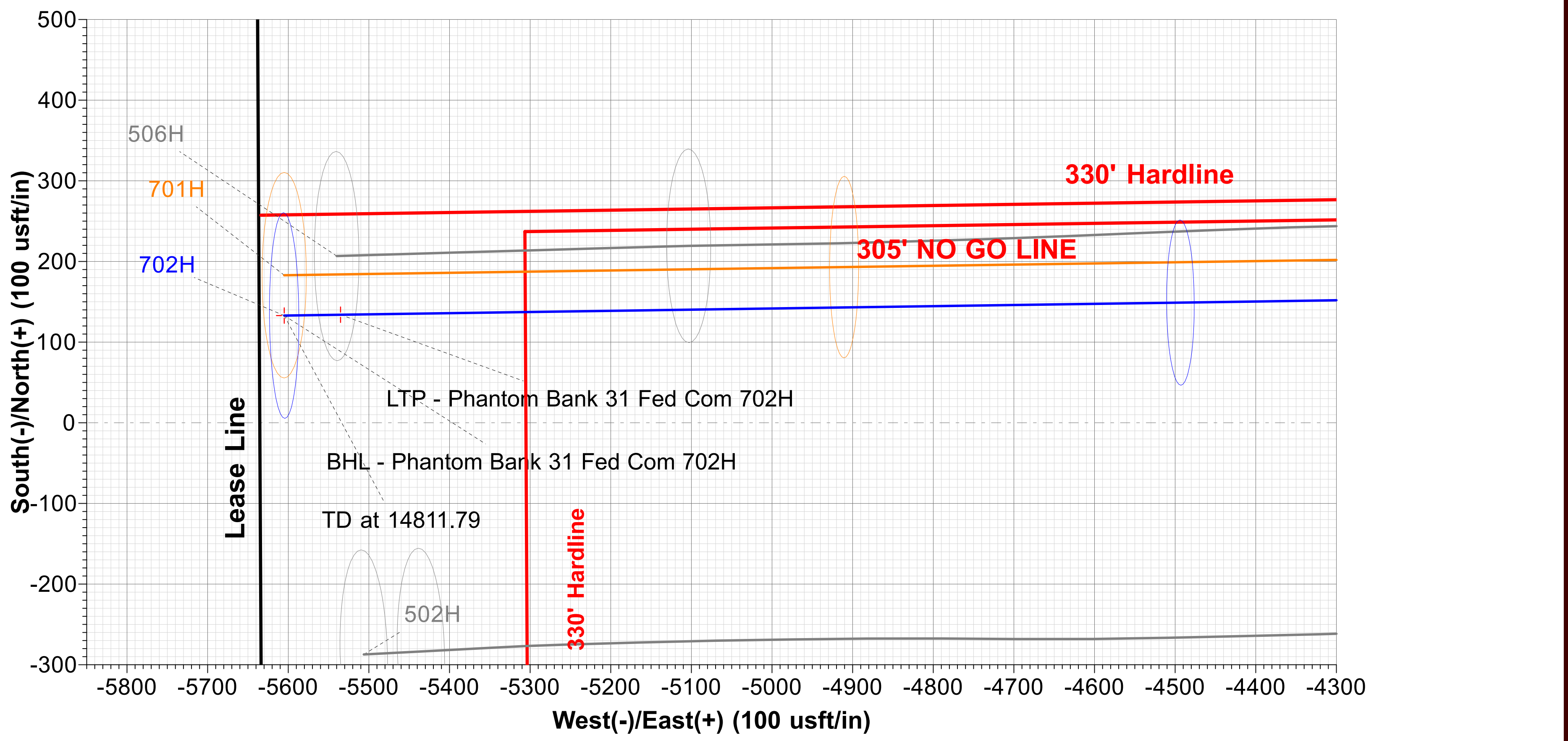
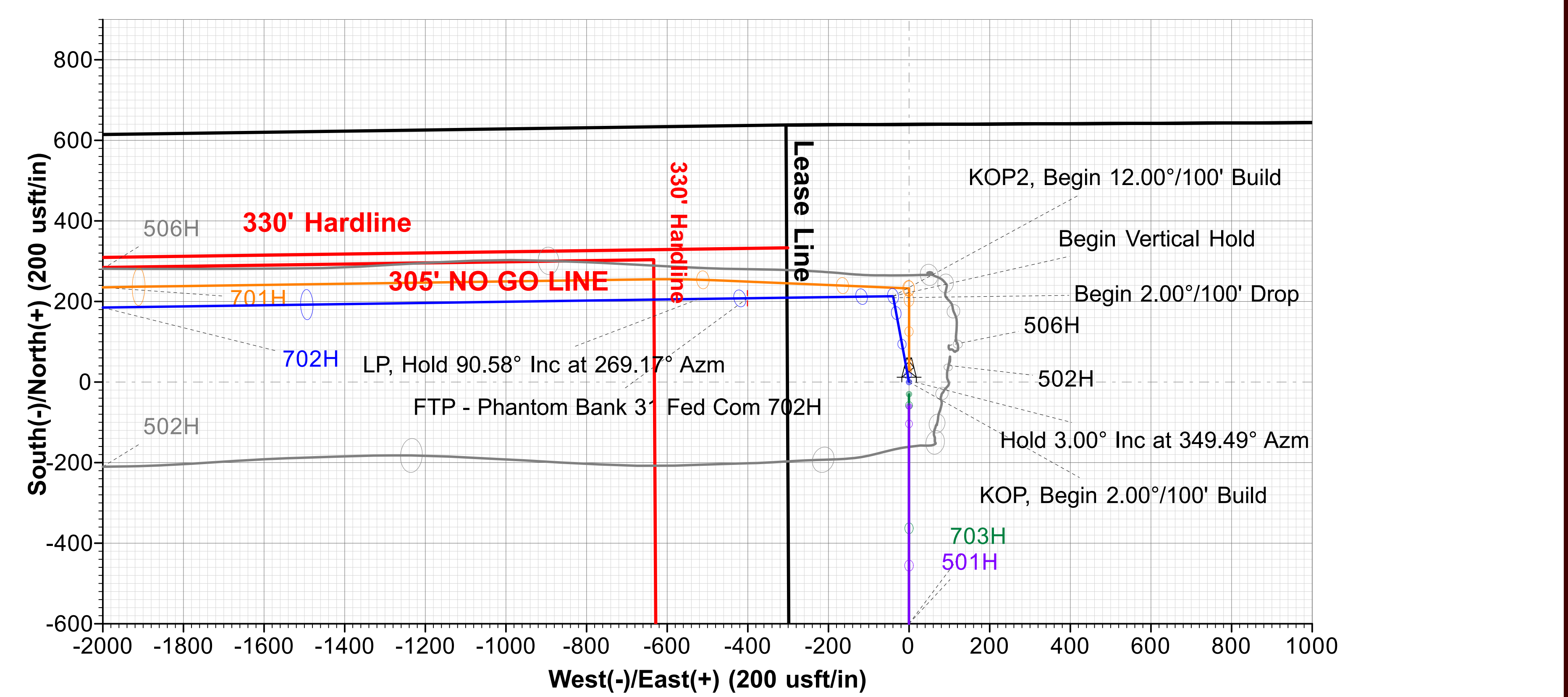
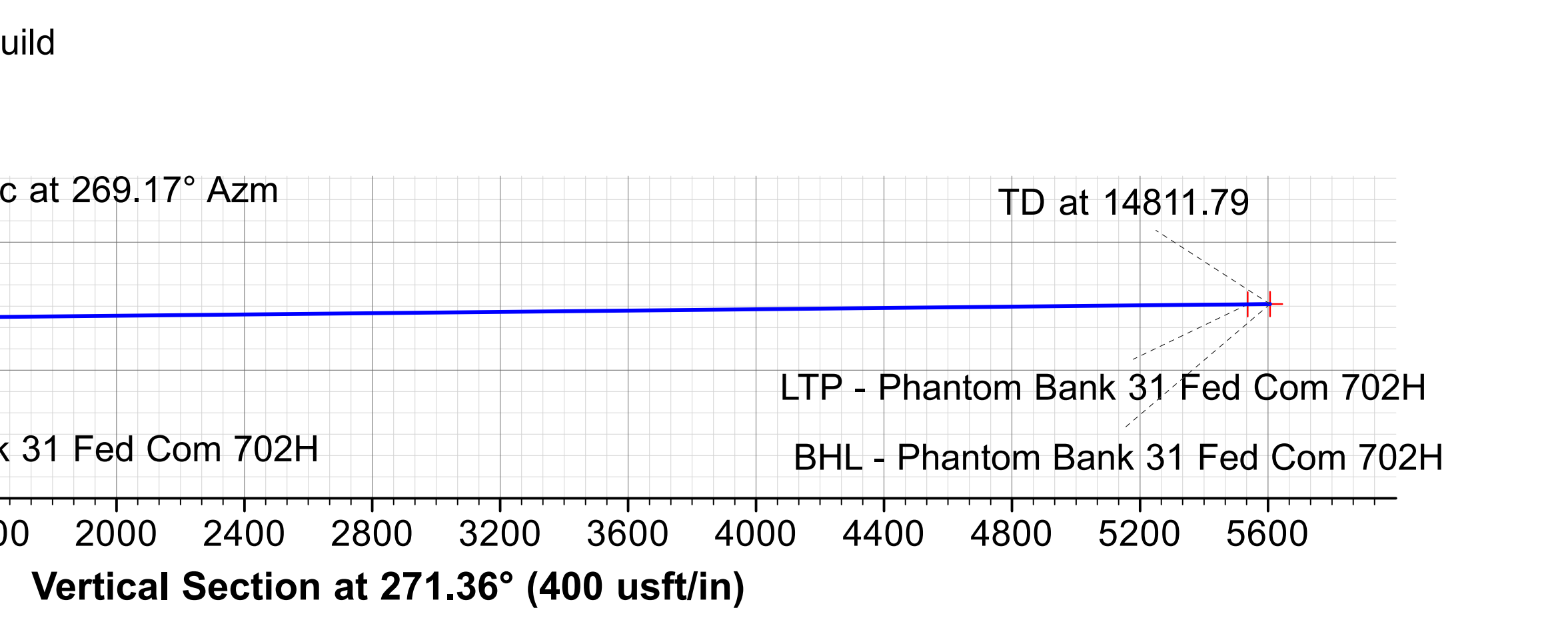
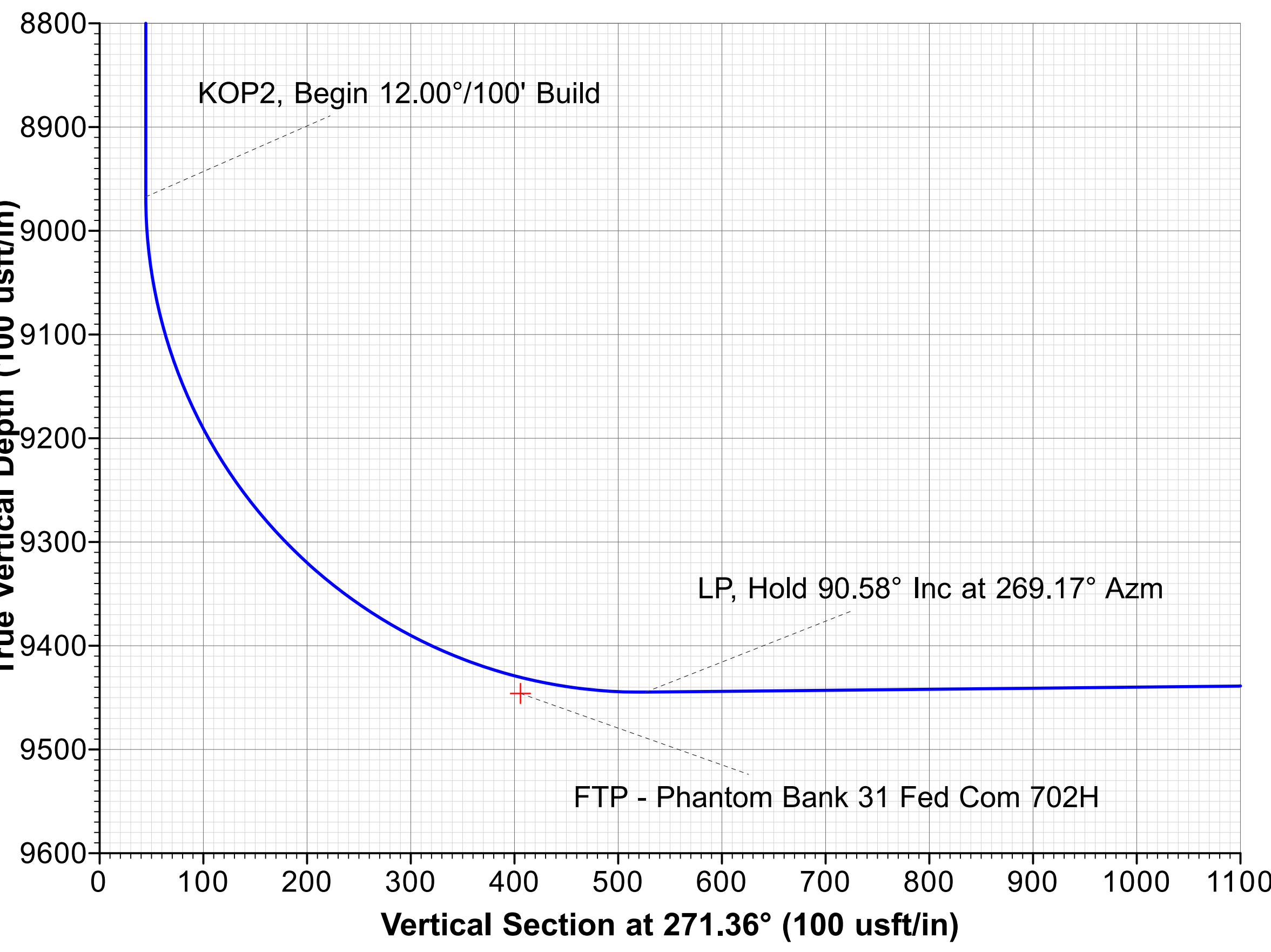
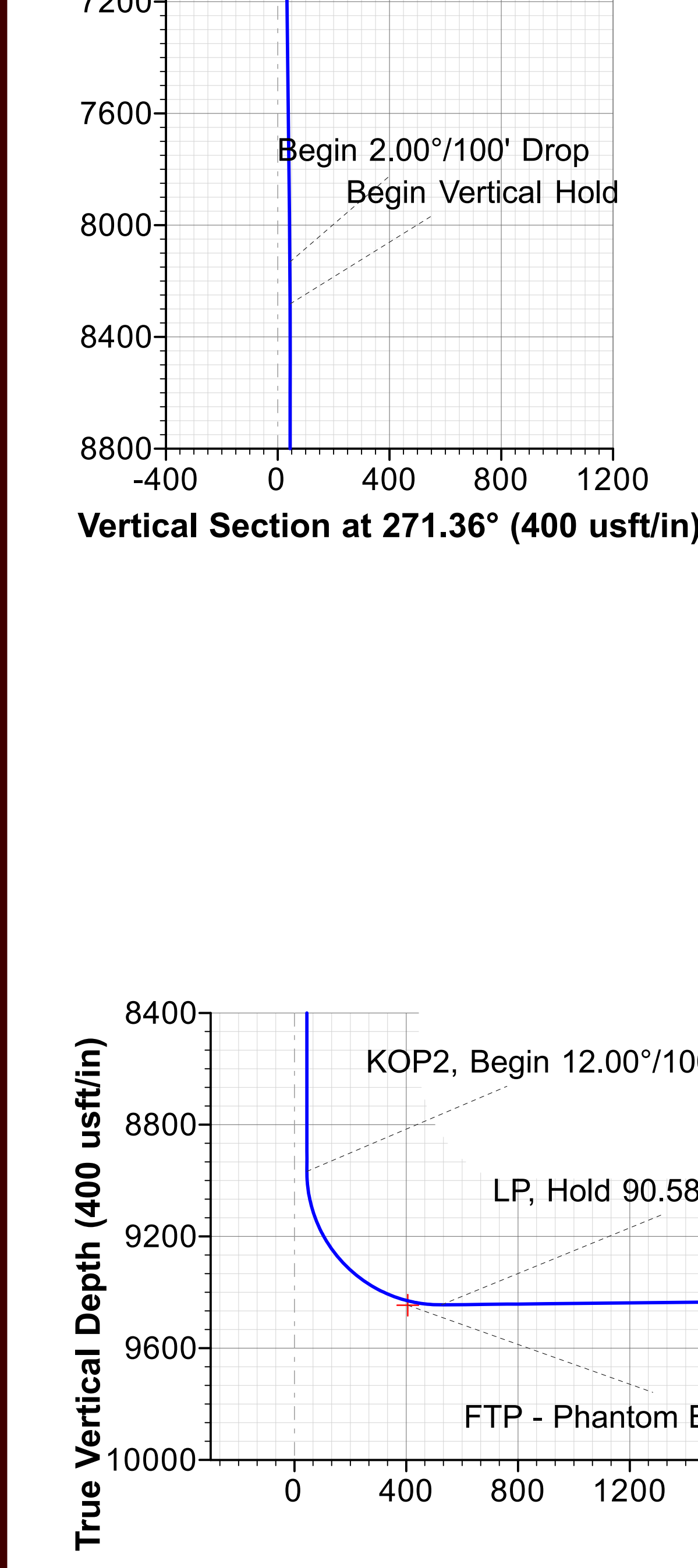
Latitude: 32° 0' 15.420825 N
Longitude: 103° 48' 26.906714 W

Grid East: 663007.00
Grid North: 365682.00
Scale Factor: 1.000

Geomagnetic Model: MVHD
Sample Date: 13-Feb-22
Magnetic Declination: 6.45°
Dip Angle from Horizontal: 59.49°
Magnetic Field Strength: 47415.85435713nT

To convert a Magnetic Direction to a Grid Direction, Add 6.17°
To convert a Magnetic Direction to a True Direction, Add 6.45° East
To convert a True Direction to a Grid Direction, Subtract 0.28°

- LEGEND
- 502H, OH / 67810, Surveys (H&P 653) V0
 - 703H, OH, Plan 1 12-14-21 V0
 - 501H, OH, Plan 1 12-14-21 V0
 - 506H, OH / 67812, Surveys (H&P 653) V0
 - 701H, OH, Plan 1 12-14-21 V0
 - 504H, OH / 67811, Surveys (H&P 653) V0
 - 701H, OH / Job 63103, OH / Job 63103 V0
 - Plan 1 12-14-21





Flat Creek Resources, LLC

Eddy County, NM (NAD27 NME)

Phantom Bank 31 Fed Com

702H

OH

Plan: Plan 1 12-14-21

Standard Planning Report

14 December, 2021





Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 702H
Company:	Flat Creek Resources, LLC	TVD Reference:	RKB @ 3155.00usft (TBD)
Project:	Eddy County, NM (NAD27 NME)	MD Reference:	RKB @ 3155.00usft (TBD)
Site:	Phantom Bank 31 Fed Com	North Reference:	Grid
Well:	702H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 12-14-21		

Project	Eddy County, NM (NAD27 NME)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Phantom Bank 31 Fed Com		
Site Position:		Northing:	364,789.00 usft
From:	Map	Easting:	663,012.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 0' 6.583176 N
		Longitude:	103° 48' 26.899092 W
		Grid Convergence:	0.28 °

Well	702H		
Well Position	+N/-S	893.00 usft	Northing: 365,682.00 usft
	+E/-W	-5.00 usft	Easting: 663,007.00 usft
Position Uncertainty	1.00 usft	Wellhead Elevation:	Latitude: 32° 0' 15.420825 N
			Longitude: 103° 48' 26.906714 W
			Ground Level: 3,129.00 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	MVHD	2/13/2022	6.45
			Dip Angle (°) 59.49
			Field Strength (nT) 47,415.85435713

Design	Plan 1 12-14-21		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°) 271.36

Plan Survey Tool Program	Date	12/14/2021		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	14,811.79	Plan 1 12-14-21 (OH)	MWD+HRGM
				OWSG MWD + HRGM

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,150.20	3.00	349.49	4,150.13	3.87	-0.72	2.00	2.00	0.00	349.49	
8,137.75	3.00	349.49	8,132.20	209.34	-38.82	0.00	0.00	0.00	0.00	
8,287.95	0.00	0.00	8,282.34	213.21	-39.54	2.00	-2.00	0.00	180.00	
8,972.95	0.00	0.00	8,967.34	213.21	-39.54	0.00	0.00	0.00	0.00	
9,727.79	90.58	269.17	9,444.78	206.26	-521.79	12.00	12.00	0.00	269.17	
14,811.79	90.58	269.17	9,393.31	133.00	-5,605.00	0.00	0.00	0.00	0.00	BHL - Phantom Bank



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 702H
Company:	Flat Creek Resources, LLC	TVD Reference:	RKB @ 3155.00usft (TBD)
Project:	Eddy County, NM (NAD27 NME)	MD Reference:	RKB @ 3155.00usft (TBD)
Site:	Phantom Bank 31 Fed Com	North Reference:	Grid
Well:	702H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 12-14-21		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP, Begin 2.00°/100' Build									
4,100.00	2.00	349.49	4,099.98	1.72	-0.32	0.36	2.00	2.00	0.00
4,150.20	3.00	349.49	4,150.13	3.87	-0.72	0.81	2.00	2.00	0.00
Hold 3.00° Inc at 349.49° Azm									
4,200.00	3.00	349.49	4,199.86	6.44	-1.19	1.35	0.00	0.00	0.00
4,300.00	3.00	349.49	4,299.73	11.59	-2.15	2.42	0.00	0.00	0.00
4,400.00	3.00	349.49	4,399.59	16.74	-3.10	3.50	0.00	0.00	0.00
4,500.00	3.00	349.49	4,499.45	21.89	-4.06	4.58	0.00	0.00	0.00
4,600.00	3.00	349.49	4,599.31	27.05	-5.02	5.66	0.00	0.00	0.00
4,700.00	3.00	349.49	4,699.18	32.20	-5.97	6.73	0.00	0.00	0.00
4,800.00	3.00	349.49	4,799.04	37.35	-6.93	7.81	0.00	0.00	0.00
4,900.00	3.00	349.49	4,898.90	42.51	-7.88	8.89	0.00	0.00	0.00
5,000.00	3.00	349.49	4,998.76	47.66	-8.84	9.97	0.00	0.00	0.00
5,100.00	3.00	349.49	5,098.63	52.81	-9.79	11.04	0.00	0.00	0.00
5,200.00	3.00	349.49	5,198.49	57.96	-10.75	12.12	0.00	0.00	0.00
5,300.00	3.00	349.49	5,298.35	63.12	-11.71	13.20	0.00	0.00	0.00
5,400.00	3.00	349.49	5,398.21	68.27	-12.66	14.28	0.00	0.00	0.00
5,500.00	3.00	349.49	5,498.08	73.42	-13.62	15.35	0.00	0.00	0.00
5,600.00	3.00	349.49	5,597.94	78.57	-14.57	16.43	0.00	0.00	0.00
5,700.00	3.00	349.49	5,697.80	83.73	-15.53	17.51	0.00	0.00	0.00
5,800.00	3.00	349.49	5,797.66	88.88	-16.48	18.59	0.00	0.00	0.00
5,900.00	3.00	349.49	5,897.53	94.03	-17.44	19.66	0.00	0.00	0.00
6,000.00	3.00	349.49	5,997.39	99.19	-18.39	20.74	0.00	0.00	0.00
6,100.00	3.00	349.49	6,097.25	104.34	-19.35	21.82	0.00	0.00	0.00
6,200.00	3.00	349.49	6,197.11	109.49	-20.31	22.90	0.00	0.00	0.00
6,300.00	3.00	349.49	6,296.98	114.64	-21.26	23.97	0.00	0.00	0.00
6,400.00	3.00	349.49	6,396.84	119.80	-22.22	25.05	0.00	0.00	0.00
6,500.00	3.00	349.49	6,496.70	124.95	-23.17	26.13	0.00	0.00	0.00
6,600.00	3.00	349.49	6,596.56	130.10	-24.13	27.21	0.00	0.00	0.00
6,700.00	3.00	349.49	6,696.43	135.26	-25.08	28.28	0.00	0.00	0.00
6,800.00	3.00	349.49	6,796.29	140.41	-26.04	29.36	0.00	0.00	0.00
6,900.00	3.00	349.49	6,896.15	145.56	-26.99	30.44	0.00	0.00	0.00
7,000.00	3.00	349.49	6,996.02	150.71	-27.95	31.52	0.00	0.00	0.00
7,100.00	3.00	349.49	7,095.88	155.87	-28.91	32.60	0.00	0.00	0.00
7,200.00	3.00	349.49	7,195.74	161.02	-29.86	33.67	0.00	0.00	0.00
7,300.00	3.00	349.49	7,295.60	166.17	-30.82	34.75	0.00	0.00	0.00
7,400.00	3.00	349.49	7,395.47	171.32	-31.77	35.83	0.00	0.00	0.00
7,500.00	3.00	349.49	7,495.33	176.48	-32.73	36.91	0.00	0.00	0.00
7,600.00	3.00	349.49	7,595.19	181.63	-33.68	37.98	0.00	0.00	0.00
7,700.00	3.00	349.49	7,695.05	186.78	-34.64	39.06	0.00	0.00	0.00
7,800.00	3.00	349.49	7,794.92	191.94	-35.59	40.14	0.00	0.00	0.00
7,900.00	3.00	349.49	7,894.78	197.09	-36.55	41.22	0.00	0.00	0.00
8,000.00	3.00	349.49	7,994.64	202.24	-37.51	42.29	0.00	0.00	0.00
8,100.00	3.00	349.49	8,094.50	207.39	-38.46	43.37	0.00	0.00	0.00
8,137.75	3.00	349.49	8,132.20	209.34	-38.82	43.78	0.00	0.00	0.00
Begin 2.00°/100' Drop									
8,200.00	1.76	349.49	8,194.40	211.88	-39.29	44.31	2.00	-2.00	0.00
8,287.95	0.00	0.00	8,282.34	213.21	-39.54	44.59	2.00	-2.00	0.00
Begin Vertical Hold									
8,972.95	0.00	0.00	8,967.34	213.21	-39.54	44.59	0.00	0.00	0.00
KOP2, Begin 12.00°/100' Build									



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 702H
Company:	Flat Creek Resources, LLC	TVD Reference:	RKB @ 3155.00usft (TBD)
Project:	Eddy County, NM (NAD27 NME)	MD Reference:	RKB @ 3155.00usft (TBD)
Site:	Phantom Bank 31 Fed Com	North Reference:	Grid
Well:	702H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 12-14-21		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,000.00	3.25	269.17	8,994.37	213.20	-40.31	45.35	12.00	12.00	0.00
9,100.00	15.25	269.17	9,092.89	212.97	-56.34	61.38	12.00	12.00	0.00
9,200.00	27.25	269.17	9,185.92	212.45	-92.51	97.52	12.00	12.00	0.00
9,300.00	39.25	269.17	9,269.40	211.66	-147.23	152.20	12.00	12.00	0.00
9,400.00	51.25	269.17	9,339.68	210.64	-218.10	223.04	12.00	12.00	0.00
9,500.00	63.25	269.17	9,393.69	209.43	-302.04	306.92	12.00	12.00	0.00
9,600.00	75.25	269.17	9,429.06	208.08	-395.37	400.19	12.00	12.00	0.00
9,700.00	87.25	269.17	9,444.25	206.66	-494.01	498.78	12.00	12.00	0.00
9,727.79	90.58	269.17	9,444.78	206.26	-521.79	526.53	12.00	12.00	0.00
LP, Hold 90.58° Inc at 269.17° Azm									
9,800.00	90.58	269.17	9,444.05	205.22	-593.99	598.69	0.00	0.00	0.00
9,900.00	90.58	269.17	9,443.03	203.78	-693.97	698.61	0.00	0.00	0.00
10,000.00	90.58	269.17	9,442.02	202.34	-793.96	798.54	0.00	0.00	0.00
10,100.00	90.58	269.17	9,441.01	200.90	-893.94	898.46	0.00	0.00	0.00
10,200.00	90.58	269.17	9,440.00	199.45	-993.93	998.38	0.00	0.00	0.00
10,300.00	90.58	269.17	9,438.98	198.01	-1,093.91	1,098.30	0.00	0.00	0.00
10,400.00	90.58	269.17	9,437.97	196.57	-1,193.90	1,198.22	0.00	0.00	0.00
10,500.00	90.58	269.17	9,436.96	195.13	-1,293.88	1,298.15	0.00	0.00	0.00
10,600.00	90.58	269.17	9,435.95	193.69	-1,393.87	1,398.07	0.00	0.00	0.00
10,700.00	90.58	269.17	9,434.94	192.25	-1,493.85	1,497.99	0.00	0.00	0.00
10,800.00	90.58	269.17	9,433.92	190.81	-1,593.83	1,597.91	0.00	0.00	0.00
10,900.00	90.58	269.17	9,432.91	189.37	-1,693.82	1,697.83	0.00	0.00	0.00
11,000.00	90.58	269.17	9,431.90	187.93	-1,793.80	1,797.76	0.00	0.00	0.00
11,100.00	90.58	269.17	9,430.89	186.49	-1,893.79	1,897.68	0.00	0.00	0.00
11,200.00	90.58	269.17	9,429.87	185.04	-1,993.77	1,997.60	0.00	0.00	0.00
11,300.00	90.58	269.17	9,428.86	183.60	-2,093.76	2,097.52	0.00	0.00	0.00
11,400.00	90.58	269.17	9,427.85	182.16	-2,193.74	2,197.45	0.00	0.00	0.00
11,500.00	90.58	269.17	9,426.84	180.72	-2,293.73	2,297.37	0.00	0.00	0.00
11,600.00	90.58	269.17	9,425.82	179.28	-2,393.71	2,397.29	0.00	0.00	0.00
11,700.00	90.58	269.17	9,424.81	177.84	-2,493.70	2,497.21	0.00	0.00	0.00
11,800.00	90.58	269.17	9,423.80	176.40	-2,593.68	2,597.13	0.00	0.00	0.00
11,900.00	90.58	269.17	9,422.79	174.96	-2,693.66	2,697.06	0.00	0.00	0.00
12,000.00	90.58	269.17	9,421.77	173.52	-2,793.65	2,796.98	0.00	0.00	0.00
12,100.00	90.58	269.17	9,420.76	172.08	-2,893.63	2,896.90	0.00	0.00	0.00
12,200.00	90.58	269.17	9,419.75	170.64	-2,993.62	2,996.82	0.00	0.00	0.00
12,300.00	90.58	269.17	9,418.74	169.19	-3,093.60	3,096.75	0.00	0.00	0.00
12,400.00	90.58	269.17	9,417.73	167.75	-3,193.59	3,196.67	0.00	0.00	0.00
12,500.00	90.58	269.17	9,416.71	166.31	-3,293.57	3,296.59	0.00	0.00	0.00
12,600.00	90.58	269.17	9,415.70	164.87	-3,393.56	3,396.51	0.00	0.00	0.00
12,700.00	90.58	269.17	9,414.69	163.43	-3,493.54	3,496.43	0.00	0.00	0.00
12,800.00	90.58	269.17	9,413.68	161.99	-3,593.52	3,596.36	0.00	0.00	0.00
12,900.00	90.58	269.17	9,412.66	160.55	-3,693.51	3,696.28	0.00	0.00	0.00
13,000.00	90.58	269.17	9,411.65	159.11	-3,793.49	3,796.20	0.00	0.00	0.00
13,100.00	90.58	269.17	9,410.64	157.67	-3,893.48	3,896.12	0.00	0.00	0.00
13,200.00	90.58	269.17	9,409.63	156.23	-3,993.46	3,996.04	0.00	0.00	0.00
13,300.00	90.58	269.17	9,408.61	154.78	-4,093.45	4,095.97	0.00	0.00	0.00
13,400.00	90.58	269.17	9,407.60	153.34	-4,193.43	4,195.89	0.00	0.00	0.00
13,500.00	90.58	269.17	9,406.59	151.90	-4,293.42	4,295.81	0.00	0.00	0.00
13,600.00	90.58	269.17	9,405.58	150.46	-4,393.40	4,395.73	0.00	0.00	0.00
13,700.00	90.58	269.17	9,404.57	149.02	-4,493.39	4,495.66	0.00	0.00	0.00
13,800.00	90.58	269.17	9,403.55	147.58	-4,593.37	4,595.58	0.00	0.00	0.00
13,900.00	90.58	269.17	9,402.54	146.14	-4,693.35	4,695.50	0.00	0.00	0.00
14,000.00	90.58	269.17	9,401.53	144.70	-4,793.34	4,795.42	0.00	0.00	0.00



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 702H
Company:	Flat Creek Resources, LLC	TVD Reference:	RKB @ 3155.00usft (TBD)
Project:	Eddy County, NM (NAD27 NME)	MD Reference:	RKB @ 3155.00usft (TBD)
Site:	Phantom Bank 31 Fed Com	North Reference:	Grid
Well:	702H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 12-14-21		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
14,100.00	90.58	269.17	9,400.52	143.26	-4,893.32	4,895.34	0.00	0.00	0.00	
14,200.00	90.58	269.17	9,399.50	141.82	-4,993.31	4,995.27	0.00	0.00	0.00	
14,300.00	90.58	269.17	9,398.49	140.37	-5,093.29	5,095.19	0.00	0.00	0.00	
14,400.00	90.58	269.17	9,397.48	138.93	-5,193.28	5,195.11	0.00	0.00	0.00	
14,500.00	90.58	269.17	9,396.47	137.49	-5,293.26	5,295.03	0.00	0.00	0.00	
14,600.00	90.58	269.17	9,395.45	136.05	-5,393.25	5,394.96	0.00	0.00	0.00	
14,700.00	90.58	269.17	9,394.44	134.61	-5,493.23	5,494.88	0.00	0.00	0.00	
14,800.00	90.58	269.17	9,393.43	133.17	-5,593.21	5,594.80	0.00	0.00	0.00	
14,811.79	90.58	269.17	9,393.31	133.00	-5,605.00	5,606.58	0.00	0.00	0.00	
TD at 14811.79										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
BHL - Phantom Bank 31 - hit/miss target - Shape - Point	0.00	0.00	9,393.31	133.00	-5,605.00	365,815.00	657,402.00	32° 0' 17.002218 N 103° 49' 31.991294 W		
LTP - Phantom Bank 31 - plan misses target center by 0.01usft at 14741.78usft MD (9394.02 TVD, 134.01 N, -5535.00 E) - Point	0.00	0.00	9,394.02	134.00	-5,535.00	365,816.00	657,472.00	32° 0' 17.008859 N 103° 49' 31.178312 W		
FTP - Phantom Bank 31 - plan misses target center by 15.10usft at 9608.16usft MD (9431.07 TVD, 207.97 N, -403.28 E) - Point	0.00	0.00	9,446.00	208.00	-401.00	365,890.00	662,606.00	32° 0' 17.498539 N 103° 48' 31.551867 W		

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
14,851.66		20" Casing	20	24	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment	
4,000.00	4,000.00	0.00	0.00	KOP, Begin 2.00°/100' Build	
4,150.20	4,150.13	3.87	-0.72	Hold 3.00° Inc at 349.49° Azm	
8,137.75	8,132.20	209.34	-38.82	Begin 2.00°/100' Drop	
8,287.95	8,282.34	213.21	-39.54	Begin Vertical Hold	
8,972.95	8,967.34	213.21	-39.54	KOP2, Begin 12.00°/100' Build	
9,727.79	9,444.78	206.26	-521.79	LP, Hold 90.58° Inc at 269.17° Azm	
14,811.79	9,393.31	133.00	-5,605.00	TD at 14811.79	



Flat Creek Resources, LLC

Eddy County, NM (NAD27 NME)

Phantom Bank 31 Fed Com

702H

OH

Plan 1 12-14-21

Anticollision Report

14 December, 2021





Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Reference	Plan 1 12-14-21		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 100.00usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum centre distance of 50,000.00usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	12/14/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	14,811.79	Plan 1 12-14-21 (OH)	MWD+HRGM	OWSG MWD + HRGM

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Phantom Bank 31 Fed Com						
501H - OH - Plan 1 12-14-21	4,000.00	4,000.00	60.00	43.47	3.631	CC, ES, SF
502H - OH / 67810 - Surveys (H&P 653)	3,143.94	3,146.52	94.96	75.45	4.867	CC
502H - OH / 67810 - Surveys (H&P 653)	4,123.44	4,127.73	95.36	72.87	4.241	ES
502H - OH / 67810 - Surveys (H&P 653)	4,200.00	4,203.84	95.80	73.14	4.227	SF
504H - OH / 67811 - Surveys (H&P 653)	1,856.50	1,844.03	929.94	916.06	67.011	CC
504H - OH / 67811 - Surveys (H&P 653)	1,900.00	1,884.10	930.03	916.01	66.337	ES
504H - OH / 67811 - Surveys (H&P 653)	14,811.79	16,343.00	1,826.26	1,667.08	11.473	SF
506H - OH / 67812 - Surveys (H&P 653)	8,990.55	8,999.83	118.58	83.64	3.394	CC, ES, SF
701H - OH - Plan 1 12-14-21	4,000.00	4,000.00	30.00	13.47	1.815	CC
701H - OH - Plan 1 12-14-21	5,200.00	5,198.38	32.69	12.09	1.587	ES
701H - OH - Plan 1 12-14-21	8,972.95	8,972.57	44.01	15.12	1.523	SF
703H - OH - Plan 1 12-14-21	4,000.00	4,000.00	30.00	13.47	1.815	CC, ES, SF
Stella Blue 30 Fed Com						
701H - OH / Job 63103 - OH / Job 63103	14,534.16	9,404.28	472.41	321.31	3.126	CC, ES, SF

Offset Design:	Phantom Bank 31 Fed Com - 501H - OH - Plan 1 12-14-21											Offset Site Error:	0.00 usft
Survey Program:	0-MWD+HRGM											Offset Well Error:	1.00 usft
Reference Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	1.00	1.00	180.00	-60.00	0.00	60.00				
100.00	100.00	100.00	100.00	1.09	1.09	180.00	-60.00	0.00	60.00	57.83	2.17	27.639	
200.00	200.00	200.00	200.00	1.60	1.60	180.00	-60.00	0.00	60.00	56.80	3.20	18.750	
300.00	300.00	300.00	300.00	2.01	2.01	180.00	-60.00	0.00	60.00	55.98	4.02	14.920	
400.00	400.00	400.00	400.00	2.35	2.35	180.00	-60.00	0.00	60.00	55.29	4.71	12.747	
500.00	500.00	500.00	500.00	2.65	2.65	180.00	-60.00	0.00	60.00	54.69	5.31	11.300	
600.00	600.00	600.00	600.00	2.93	2.93	180.00	-60.00	0.00	60.00	54.14	5.86	10.247	
700.00	700.00	700.00	700.00	3.18	3.18	180.00	-60.00	0.00	60.00	53.64	6.36	9.436	
800.00	800.00	800.00	800.00	3.41	3.41	180.00	-60.00	0.00	60.00	53.17	6.83	8.787	
900.00	900.00	900.00	900.00	3.64	3.64	180.00	-60.00	0.00	60.00	52.73	7.27	8.251	
1,000.00	1,000.00	1,000.00	1,000.00	3.85	3.85	180.00	-60.00	0.00	60.00	52.31	7.69	7.799	
1,100.00	1,100.00	1,100.00	1,100.00	4.05	4.05	180.00	-60.00	0.00	60.00	51.90	8.10	7.411	
1,200.00	1,200.00	1,200.00	1,200.00	4.24	4.24	180.00	-60.00	0.00	60.00	51.52	8.48	7.073	

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 501H - OH - Plan 1 12-14-21													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error: 1.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
1,300.00	1,300.00	1,300.00	1,300.00	4.43	4.43	180.00	-60.00	0.00	60.00	51.14	8.86	6.776	
1,400.00	1,400.00	1,400.00	1,400.00	4.61	4.61	180.00	-60.00	0.00	60.00	50.78	9.22	6.510	
1,500.00	1,500.00	1,500.00	1,500.00	4.78	4.78	180.00	-60.00	0.00	60.00	50.43	9.57	6.272	
1,600.00	1,600.00	1,600.00	1,600.00	4.95	4.95	180.00	-60.00	0.00	60.00	50.09	9.91	6.057	
1,700.00	1,700.00	1,700.00	1,700.00	5.12	5.12	180.00	-60.00	0.00	60.00	49.76	10.24	5.861	
1,800.00	1,800.00	1,800.00	1,800.00	5.28	5.28	180.00	-60.00	0.00	60.00	49.44	10.56	5.681	
1,900.00	1,900.00	1,900.00	1,900.00	5.44	5.44	180.00	-60.00	0.00	60.00	49.12	10.88	5.516	
2,000.00	2,000.00	2,000.00	2,000.00	5.59	5.59	180.00	-60.00	0.00	60.00	48.81	11.19	5.363	
2,100.00	2,100.00	2,100.00	2,100.00	5.75	5.75	180.00	-60.00	0.00	60.00	48.51	11.49	5.221	
2,200.00	2,200.00	2,200.00	2,200.00	5.89	5.89	180.00	-60.00	0.00	60.00	48.21	11.79	5.089	
2,300.00	2,300.00	2,300.00	2,300.00	6.04	6.04	180.00	-60.00	0.00	60.00	47.92	12.08	4.966	
2,400.00	2,400.00	2,400.00	2,400.00	6.19	6.19	180.00	-60.00	0.00	60.00	47.63	12.37	4.850	
2,500.00	2,500.00	2,500.00	2,500.00	6.33	6.33	180.00	-60.00	0.00	60.00	47.35	12.65	4.741	
2,600.00	2,600.00	2,600.00	2,600.00	6.47	6.47	180.00	-60.00	0.00	60.00	47.07	12.93	4.639	
2,700.00	2,700.00	2,700.00	2,700.00	6.61	6.61	180.00	-60.00	0.00	60.00	46.79	13.21	4.542	
2,800.00	2,800.00	2,800.00	2,800.00	6.74	6.74	180.00	-60.00	0.00	60.00	46.52	13.48	4.450	
2,900.00	2,900.00	2,900.00	2,900.00	6.88	6.88	180.00	-60.00	0.00	60.00	46.25	13.75	4.363	
3,000.00	3,000.00	3,000.00	3,000.00	7.01	7.01	180.00	-60.00	0.00	60.00	45.98	14.02	4.281	
3,100.00	3,100.00	3,100.00	3,100.00	7.14	7.14	180.00	-60.00	0.00	60.00	45.72	14.28	4.202	
3,200.00	3,200.00	3,200.00	3,200.00	7.27	7.27	180.00	-60.00	0.00	60.00	45.46	14.54	4.127	
3,300.00	3,300.00	3,300.00	3,300.00	7.40	7.40	180.00	-60.00	0.00	60.00	45.21	14.79	4.056	
3,400.00	3,400.00	3,400.00	3,400.00	7.52	7.52	180.00	-60.00	0.00	60.00	44.95	15.05	3.987	
3,500.00	3,500.00	3,500.00	3,500.00	7.65	7.65	180.00	-60.00	0.00	60.00	44.70	15.30	3.921	
3,600.00	3,600.00	3,600.00	3,600.00	7.77	7.77	180.00	-60.00	0.00	60.00	44.45	15.55	3.859	
3,700.00	3,700.00	3,700.00	3,700.00	7.90	7.90	180.00	-60.00	0.00	60.00	44.20	15.80	3.798	
3,800.00	3,800.00	3,800.00	3,800.00	8.02	8.02	180.00	-60.00	0.00	60.00	43.96	16.04	3.740	
3,900.00	3,900.00	3,900.00	3,900.00	8.14	8.14	180.00	-60.00	0.00	60.00	43.72	16.28	3.685	
4,000.00	4,000.00	4,000.00	4,000.00	8.26	8.26	180.00	-60.00	0.00	60.00	43.47	16.53	3.631 CC, ES, SF	
4,100.00	4,099.98	4,097.83	4,097.81	8.49	8.37	-169.76	-61.67	0.00	63.43	46.57	16.85	3.764	
4,150.20	4,150.13	4,146.72	4,146.66	8.57	8.55	-170.06	-63.77	0.00	67.73	50.63	17.10	3.960	
4,200.00	4,199.86	4,195.02	4,194.87	8.62	8.72	-170.38	-66.65	0.00	73.27	55.95	17.32	4.231	
4,300.00	4,299.73	4,291.39	4,290.88	8.75	9.08	-170.86	-74.84	0.00	86.91	69.14	17.77	4.890	
4,400.00	4,399.59	4,386.76	4,385.58	8.90	9.43	-171.15	-86.13	0.00	103.87	85.63	18.24	5.693	
4,500.00	4,499.45	4,480.94	4,478.68	9.06	9.78	-171.31	-100.37	0.00	124.09	105.37	18.72	6.630	
4,600.00	4,599.31	4,573.76	4,569.92	9.23	10.13	-171.38	-117.40	0.00	147.50	128.30	19.19	7.685	
4,700.00	4,699.18	4,665.05	4,659.07	9.41	10.49	-171.40	-137.04	0.00	174.03	154.35	19.67	8.846	
4,800.00	4,799.04	4,755.12	4,746.36	9.60	10.73	-171.38	-159.18	0.00	203.58	183.54	20.04	10.158	
4,900.00	4,898.90	4,850.24	4,838.24	9.80	10.89	-171.35	-183.80	0.00	234.43	214.02	20.41	11.488	
5,000.00	4,998.76	4,945.36	4,930.12	10.01	11.08	-171.34	-208.43	-0.01	265.28	244.47	20.81	12.750	
5,100.00	5,098.63	5,040.49	5,022.00	10.22	11.29	-171.32	-233.06	-0.01	296.12	274.89	21.24	13.945	
5,200.00	5,198.49	5,135.61	5,113.88	10.44	11.52	-171.31	-257.68	-0.01	326.97	305.28	21.69	15.077	
5,300.00	5,298.35	5,230.73	5,205.76	10.67	11.76	-171.30	-282.31	-0.01	357.81	335.65	22.16	16.147	
5,400.00	5,398.21	5,325.86	5,297.64	10.90	12.01	-171.29	-306.94	-0.01	388.66	366.00	22.65	17.156	
5,500.00	5,498.08	5,420.98	5,389.53	11.14	12.28	-171.28	-331.57	-0.01	419.50	396.34	23.17	18.108	
5,600.00	5,597.94	5,516.11	5,481.41	11.39	12.56	-171.28	-356.19	-0.01	450.35	426.65	23.70	19.004	
5,700.00	5,697.80	5,611.23	5,573.29	11.64	12.85	-171.27	-380.82	-0.01	481.20	456.95	24.24	19.848	
5,800.00	5,797.66	5,706.35	5,665.17	11.89	13.15	-171.27	-405.45	-0.01	512.04	487.24	24.81	20.641	
5,900.00	5,897.53	5,801.48	5,757.05	12.15	13.46	-171.26	-430.08	-0.01	542.89	517.50	25.38	21.387	
6,000.00	5,997.39	5,896.60	5,848.93	12.41	13.78	-171.26	-454.70	-0.01	573.73	547.76	25.97	22.088	
6,100.00	6,097.25	5,991.72	5,940.81	12.68	14.11	-171.26	-479.33	-0.01	604.58	578.00	26.58	22.740	
6,200.00	6,197.11	6,086.85	6,032.69	12.95	14.45	-171.25	-503.96	-0.02	635.43	608.23	27.19	23.367	
6,300.00	6,296.98	6,181.97	6,124.57	13.22	14.80	-171.25	-528.58	-0.02	666.27	638.45	27.82	23.950	

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 501H - OH - Plan 1 12-14-21													Offset Site Error:	0.00 usft	
Survey Program:		0-MWD+HRGM					Rule Assigned:							Offset Well Error:	1.00 usft
Reference	Offset	Reference	Offset	Semi Major Axis	Offset	Highside Toolface	Offset Wellbore Centre		Distance				Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
6,400.00	6,396.84	6,277.10	6,216.45	13.50	15.15	-171.25	-553.21	-0.02	697.12	668.66	28.46	24.498			
6,500.00	6,496.70	6,372.22	6,308.33	13.78	15.51	-171.25	-577.84	-0.02	727.96	698.86	29.10	25.014			
6,600.00	6,596.56	6,467.34	6,400.21	14.06	15.87	-171.24	-602.47	-0.02	758.81	729.05	29.76	25.501			
6,700.00	6,696.43	6,562.47	6,492.09	14.35	16.24	-171.24	-627.09	-0.02	789.66	759.24	30.42	25.959			
6,800.00	6,796.29	6,657.59	6,583.97	14.64	16.62	-171.24	-651.72	-0.02	820.50	789.41	31.09	26.391			
6,900.00	6,896.15	6,752.71	6,675.85	14.93	17.00	-171.24	-676.35	-0.02	851.35	819.58	31.77	26.799			
7,000.00	6,996.02	6,847.84	6,767.73	15.22	17.39	-171.24	-700.98	-0.02	882.19	849.74	32.45	27.183			
7,100.00	7,095.88	6,942.96	6,859.61	15.51	17.78	-171.24	-725.60	-0.02	913.04	879.89	33.14	27.547			
7,200.00	7,195.74	7,038.09	6,951.49	15.81	18.17	-171.23	-750.23	-0.02	943.89	910.04	33.84	27.891			
7,300.00	7,295.60	7,133.21	7,043.37	16.11	18.57	-171.23	-774.86	-0.03	974.73	940.19	34.55	28.216			
7,400.00	7,395.47	7,228.33	7,135.25	16.41	18.97	-171.23	-799.48	-0.03	1,005.58	970.32	35.25	28.524			
7,500.00	7,495.33	7,323.46	7,227.14	16.71	19.38	-171.23	-824.11	-0.03	1,036.42	1,000.46	35.97	28.816			
7,600.00	7,595.19	7,418.58	7,319.02	17.02	19.78	-171.23	-848.74	-0.03	1,067.27	1,030.58	36.69	29.092			
7,700.00	7,695.05	7,513.70	7,410.90	17.32	20.20	-171.23	-873.37	-0.03	1,098.12	1,060.71	37.41	29.355			
7,800.00	7,794.92	7,608.83	7,502.78	17.63	20.61	-171.23	-897.99	-0.03	1,128.96	1,090.83	38.14	29.604			
7,900.00	7,894.78	7,703.95	7,594.66	17.94	21.03	-171.23	-922.62	-0.03	1,159.81	1,120.94	38.87	29.841			
8,000.00	7,994.64	7,799.08	7,686.54	18.25	21.45	-171.23	-947.25	-0.03	1,190.65	1,151.05	39.60	30.066			
8,100.00	8,094.50	7,894.20	7,778.42	18.56	21.87	-171.23	-971.87	-0.03	1,221.50	1,181.16	40.34	30.281			
8,137.75	8,132.20	7,930.11	7,813.11	18.66	22.03	-171.23	-981.17	-0.03	1,233.14	1,192.53	40.61	30.366			
8,200.00	8,194.40	7,989.52	7,870.49	18.84	22.29	-171.28	-996.55	-0.03	1,251.71	1,210.65	41.06	30.486			
8,287.95	8,282.34	8,074.12	7,952.21	19.05	22.67	178.16	-1,018.46	-0.03	1,275.75	1,234.10	41.65	30.629			
8,300.00	8,294.38	8,085.76	7,963.45	19.05	22.72	178.17	-1,021.47	-0.03	1,278.87	1,237.16	41.71	30.661			
8,400.00	8,394.38	8,182.35	8,056.74	19.11	23.16	178.20	-1,046.48	-0.04	1,304.75	1,262.52	42.23	30.894			
8,500.00	8,494.38	8,298.99	8,169.49	19.18	23.67	178.25	-1,076.36	-0.04	1,330.45	1,287.58	42.88	31.030			
8,600.00	8,594.38	8,483.05	8,349.30	19.24	24.60	178.30	-1,115.55	-0.04	1,351.75	1,307.75	44.00	30.721			
8,700.00	8,694.38	8,671.58	8,535.70	19.31	25.55	178.33	-1,143.61	-0.04	1,366.64	1,321.62	45.02	30.359			
8,800.00	8,794.38	8,863.07	8,726.49	19.38	26.40	178.35	-1,159.47	-0.04	1,374.92	1,329.11	45.82	30.009			
8,900.00	8,894.38	9,031.02	8,894.38	19.45	26.72	178.36	-1,162.96	-0.04	1,376.73	1,330.68	46.05	29.895			
8,972.95	8,967.34	9,103.98	8,967.34	19.49	26.77	178.36	-1,162.96	-0.04	1,376.73	1,330.59	46.14	29.839			
8,975.00	8,969.38	9,106.15	8,969.51	19.49	26.77	-90.82	-1,162.96	-0.04	1,376.73	1,330.59	46.14	29.839			
9,000.00	8,994.37	9,132.96	8,996.31	19.50	26.77	-90.82	-1,162.96	-0.90	1,376.72	1,330.59	46.14	29.839			
9,025.00	9,019.28	9,159.78	9,023.01	19.51	26.77	-90.81	-1,162.97	-3.26	1,376.70	1,330.56	46.14	29.839			
9,050.00	9,044.05	9,186.58	9,049.53	19.53	26.77	-90.81	-1,162.99	-7.11	1,376.67	1,330.53	46.14	29.838			
9,075.00	9,068.61	9,213.36	9,075.77	19.55	26.78	-90.80	-1,163.02	-12.44	1,376.62	1,330.47	46.14	29.835			
9,100.00	9,092.89	9,240.12	9,101.65	19.58	26.78	-90.79	-1,163.06	-19.22	1,376.55	1,330.41	46.15	29.831			
9,125.00	9,116.83	9,266.85	9,127.09	19.60	26.79	-90.78	-1,163.10	-27.44	1,376.47	1,330.32	46.15	29.825			
9,150.00	9,140.35	9,293.54	9,151.99	19.63	26.79	-90.76	-1,163.15	-37.05	1,376.38	1,330.22	46.16	29.816			
9,175.00	9,163.41	9,320.19	9,176.27	19.66	26.80	-90.74	-1,163.20	-48.02	1,376.28	1,330.10	46.18	29.805			
9,200.00	9,185.92	9,346.80	9,199.87	19.69	26.81	-90.72	-1,163.27	-60.31	1,376.16	1,329.97	46.20	29.790			
9,225.00	9,207.84	9,373.36	9,222.71	19.73	26.82	-90.70	-1,163.34	-73.86	1,376.03	1,329.81	46.22	29.770			
9,250.00	9,229.10	9,399.86	9,244.71	19.77	26.83	-90.68	-1,163.42	-88.63	1,375.89	1,329.64	46.26	29.746			
9,275.00	9,249.64	9,426.30	9,265.81	19.82	26.85	-90.65	-1,163.50	-104.56	1,375.74	1,329.45	46.30	29.715			
9,300.00	9,269.40	9,452.68	9,285.94	19.87	26.87	-90.62	-1,163.59	-121.59	1,375.58	1,329.23	46.35	29.677			
9,325.00	9,288.34	9,478.99	9,305.06	19.92	26.90	-90.59	-1,163.68	-139.66	1,375.41	1,328.99	46.42	29.630			
9,350.00	9,306.40	9,505.23	9,323.11	19.99	26.94	-90.56	-1,163.78	-158.70	1,375.23	1,328.73	46.50	29.574			
9,375.00	9,323.53	9,531.39	9,340.03	20.06	26.98	-90.53	-1,163.88	-178.65	1,375.04	1,328.44	46.60	29.507			
9,400.00	9,339.68	9,557.47	9,355.80	20.13	27.02	-90.49	-1,163.99	-199.42	1,374.85	1,328.13	46.72	29.428			
9,425.00	9,354.81	9,583.47	9,370.36	20.22	27.08	-90.46	-1,164.10	-220.96	1,374.64	1,327.79	46.86	29.336			
9,450.00	9,368.88	9,609.39	9,383.68	20.31	27.15	-90.42	-1,164.22	-243.19	1,374.44	1,327.41	47.02	29.230			
9,475.00	9,381.85	9,635.23	9,395.75	20.41	27.23	-90.38	-1,164.34	-266.03	1,374.22	1,327.01	47.21	29.110			
9,500.00	9,393.69	9,660.97	9,406.52	20.53	27.32	-90.34	-1,164.46	-289.41	1,374.00	1,326.58	47.42	28.974			
9,525.00	9,404.35	9,686.63	9,415.99	20.66	27.42	-90.30	-1,164.58	-313.25	1,373.78	1,326.12	47.66	28.824			

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 501H - OH - Plan 1 12-14-21													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error: 1.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,550.00	9,413.82	9,712.20	9,424.14	20.79	27.54	-90.26	-1,164.71	-337.48	1,373.55	1,325.62	47.93	28.658	
9,575.00	9,422.06	9,737.68	9,430.96	20.95	27.67	-90.22	-1,164.83	-362.03	1,373.32	1,325.10	48.22	28.478	
9,600.00	9,429.06	9,763.07	9,436.44	21.11	27.81	-90.18	-1,164.96	-386.82	1,373.09	1,324.54	48.55	28.284	
9,625.00	9,434.79	9,788.37	9,440.58	21.29	27.96	-90.14	-1,165.09	-411.77	1,372.86	1,323.96	48.90	28.076	
9,650.00	9,439.24	9,813.57	9,443.39	21.48	28.13	-90.09	-1,165.22	-436.82	1,372.62	1,323.35	49.27	27.857	
9,675.00	9,442.40	9,838.69	9,444.88	21.68	28.31	-90.05	-1,165.35	-461.89	1,372.39	1,322.72	49.68	27.627	
9,700.00	9,444.25	9,863.71	9,445.06	21.89	28.50	-90.01	-1,165.48	-486.90	1,372.16	1,322.06	50.10	27.388	
9,725.00	9,444.80	9,888.69	9,444.81	22.12	28.70	-90.00	-1,165.61	-511.88	1,371.93	1,321.38	50.54	27.143	
9,727.79	9,444.78	9,891.48	9,444.78	22.14	28.72	-90.01	-1,165.63	-514.67	1,371.90	1,321.31	50.59	27.116	
9,800.00	9,444.05	9,963.69	9,444.05	22.87	29.38	-90.01	-1,166.00	-586.88	1,371.24	1,319.22	52.02	26.361	
9,900.00	9,443.03	10,063.68	9,443.04	24.04	30.42	-90.01	-1,166.52	-686.86	1,370.32	1,316.07	54.25	25.260	
10,000.00	9,442.02	10,163.68	9,442.02	25.38	31.59	-90.01	-1,167.04	-786.85	1,369.39	1,312.63	56.76	24.124	
10,100.00	9,441.01	10,263.68	9,441.01	26.86	32.88	-90.01	-1,167.56	-886.84	1,368.47	1,308.95	59.52	22.990	
10,200.00	9,440.00	10,363.67	9,440.00	28.45	34.27	-90.01	-1,168.08	-986.83	1,367.55	1,305.05	62.50	21.882	
10,300.00	9,438.98	10,463.67	9,438.99	30.13	35.76	-90.01	-1,168.59	-1,086.82	1,366.63	1,300.97	65.65	20.816	
10,400.00	9,437.97	10,563.66	9,437.97	31.90	37.32	-90.01	-1,169.11	-1,186.81	1,365.70	1,296.74	68.97	19.803	
10,500.00	9,436.96	10,663.66	9,436.96	33.72	38.96	-90.01	-1,169.63	-1,286.80	1,364.78	1,292.37	72.42	18.847	
10,600.00	9,435.95	10,763.66	9,435.95	35.60	40.65	-90.01	-1,170.15	-1,386.79	1,363.86	1,287.88	75.98	17.950	
10,700.00	9,434.94	10,863.65	9,434.94	37.53	42.40	-90.01	-1,170.67	-1,486.78	1,362.94	1,283.29	79.65	17.112	
10,800.00	9,433.92	10,963.65	9,433.93	39.50	44.20	-90.01	-1,171.19	-1,586.77	1,362.02	1,278.61	83.41	16.330	
10,900.00	9,432.91	11,063.64	9,432.91	41.50	46.04	-90.01	-1,171.71	-1,686.76	1,361.09	1,273.85	87.24	15.601	
11,000.00	9,431.90	11,163.64	9,431.90	43.53	47.91	-90.01	-1,172.23	-1,786.75	1,360.17	1,269.03	91.14	14.923	
11,100.00	9,430.89	11,263.63	9,430.89	45.58	49.82	-90.01	-1,172.74	-1,886.74	1,359.25	1,264.15	95.10	14.292	
11,200.00	9,429.87	11,363.63	9,429.88	47.65	51.76	-90.01	-1,173.26	-1,986.73	1,358.33	1,259.21	99.12	13.704	
11,300.00	9,428.86	11,463.63	9,428.86	49.75	53.73	-90.01	-1,173.78	-2,086.71	1,357.40	1,254.23	103.18	13.156	
11,400.00	9,427.85	11,563.62	9,427.85	51.86	55.72	-90.01	-1,174.30	-2,186.70	1,356.48	1,249.21	107.28	12.645	
11,500.00	9,426.84	11,663.62	9,426.84	53.98	57.73	-90.01	-1,174.82	-2,286.69	1,355.56	1,244.15	111.41	12.167	
11,600.00	9,425.82	11,763.61	9,425.83	56.12	59.76	-90.01	-1,175.34	-2,386.68	1,354.64	1,239.05	115.58	11.720	
11,700.00	9,424.81	11,863.61	9,424.82	58.27	61.80	-90.01	-1,175.86	-2,486.67	1,353.72	1,233.93	119.78	11.301	
11,800.00	9,423.80	11,963.60	9,423.80	60.42	63.87	-90.01	-1,176.38	-2,586.66	1,352.79	1,228.79	124.01	10.909	
11,900.00	9,422.79	12,063.60	9,422.79	62.59	65.94	-90.01	-1,176.90	-2,686.65	1,351.87	1,223.61	128.26	10.540	
12,000.00	9,421.77	12,163.60	9,421.78	64.77	68.04	-90.01	-1,177.41	-2,786.64	1,350.95	1,218.42	132.53	10.194	
12,100.00	9,420.76	12,263.59	9,420.77	66.95	70.14	-90.01	-1,177.93	-2,886.63	1,350.03	1,213.21	136.82	9.867	
12,200.00	9,419.75	12,363.59	9,419.75	69.14	72.25	-90.01	-1,178.45	-2,986.62	1,349.10	1,207.98	141.13	9.560	
12,300.00	9,418.74	12,463.58	9,418.74	71.34	74.38	-90.01	-1,178.97	-3,086.61	1,348.18	1,202.73	145.45	9.269	
12,400.00	9,417.73	12,563.58	9,417.73	73.54	76.51	-90.01	-1,179.49	-3,186.60	1,347.26	1,197.47	149.79	8.994	
12,500.00	9,416.71	12,663.57	9,416.72	75.74	78.65	-90.01	-1,180.01	-3,286.59	1,346.34	1,192.20	154.14	8.734	
12,600.00	9,415.70	12,763.57	9,415.71	77.95	80.80	-90.01	-1,180.53	-3,386.58	1,345.42	1,186.91	158.51	8.488	
12,700.00	9,414.69	12,863.57	9,414.69	80.17	82.96	-90.01	-1,181.05	-3,486.56	1,344.49	1,181.61	162.88	8.254	
12,800.00	9,413.68	12,963.56	9,413.68	82.39	85.12	-90.01	-1,181.56	-3,586.55	1,343.57	1,176.30	167.27	8.032	
12,900.00	9,412.66	13,063.56	9,412.67	84.61	87.29	-90.01	-1,182.08	-3,686.54	1,342.65	1,170.98	171.66	7.821	
13,000.00	9,411.65	13,163.55	9,411.66	86.84	89.47	-90.01	-1,182.60	-3,786.53	1,341.73	1,165.66	176.07	7.620	
13,100.00	9,410.64	13,263.55	9,410.64	89.07	91.65	-90.01	-1,183.12	-3,886.52	1,340.80	1,160.32	180.48	7.429	
13,200.00	9,409.63	13,363.54	9,409.63	91.30	93.83	-90.01	-1,183.64	-3,986.51	1,339.88	1,154.98	184.91	7.246	
13,300.00	9,408.61	13,463.54	9,408.62	93.53	96.02	-90.01	-1,184.16	-4,086.50	1,338.96	1,149.63	189.33	7.072	
13,400.00	9,407.60	13,563.54	9,407.61	95.77	98.22	-90.01	-1,184.68	-4,186.49	1,338.04	1,144.27	193.77	6.905	
13,500.00	9,406.59	13,663.53	9,406.60	98.01	100.42	-90.01	-1,185.20	-4,286.48	1,337.12	1,138.90	198.21	6.746	
13,600.00	9,405.58	13,763.53	9,405.58	100.25	102.62	-90.01	-1,185.71	-4,386.47	1,336.19	1,133.53	202.66	6.593	
13,700.00	9,404.57	13,863.52	9,404.57	102.49	104.83	-90.01	-1,186.23	-4,486.46	1,335.27	1,128.16	207.11	6.447	
13,800.00	9,403.55	13,963.52	9,403.56	104.74	107.04	-90.01	-1,186.75	-4,586.45	1,334.35	1,122.78	211.57	6.307	
13,900.00	9,402.54	14,063.51	9,402.55	106.99	109.25	-90.01	-1,187.27	-4,686.44	1,333.43	1,117.39	216.03	6.172	
14,000.00	9,401.53	14,163.51	9,401.53	109.24	111.46	-90.01	-1,187.79	-4,786.43	1,332.50	1,112.00	220.50	6.043	

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 501H - OH - Plan 1 12-14-21													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error: 1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
		Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
14,100.00	9,400.52	14,263.51	9,400.52	111.49	113.68	-90.01	-1,188.31	-4,886.41	1,331.58	1,106.61	224.97	5.919	
14,200.00	9,399.50	14,363.50	9,399.51	113.74	115.90	-90.01	-1,188.83	-4,986.40	1,330.66	1,101.21	229.45	5.799	
14,300.00	9,398.49	14,463.50	9,398.50	115.99	118.13	-90.01	-1,189.35	-5,086.39	1,329.74	1,095.81	233.93	5.684	
14,400.00	9,397.48	14,563.49	9,397.48	118.24	120.35	-90.01	-1,189.86	-5,186.38	1,328.82	1,090.40	238.41	5.574	
14,500.00	9,396.47	14,663.49	9,396.47	120.50	122.58	-90.01	-1,190.38	-5,286.37	1,327.89	1,084.99	242.90	5.467	
14,600.00	9,395.45	14,763.49	9,395.46	122.76	124.81	-90.01	-1,190.90	-5,386.36	1,326.97	1,079.58	247.39	5.364	
14,700.00	9,394.44	14,863.48	9,394.45	125.01	127.05	-90.01	-1,191.42	-5,486.35	1,326.05	1,074.17	251.88	5.265	
14,800.00	9,393.43	14,963.48	9,393.44	127.27	129.28	-90.01	-1,191.94	-5,586.34	1,325.13	1,068.75	256.38	5.169	
14,811.79	9,393.31	14,975.14	9,393.32	127.54	129.54	-90.01	-1,192.00	-5,598.00	1,325.02	1,068.11	256.90	5.158	



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 502H - OH / 67810 - Surveys (H&P 653)													Offset Site Error: 0.00 usft
Survey Program: 220-MWD+HRGM													Offset Well Error: 1.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	1.50	0.00	1.00	1.00	67.50	41.00	99.00	107.15				
100.00	100.00	101.27	99.77	1.09	1.22	67.34	41.32	98.98	107.26	104.96	2.31	46.524	
200.00	200.00	201.04	199.54	1.60	1.72	66.87	42.26	98.93	107.58	104.27	3.31	32.498	
300.00	300.00	300.68	299.16	2.01	2.20	66.07	43.87	98.87	108.17	103.99	4.18	25.893	
400.00	400.00	399.95	398.41	2.35	2.56	65.16	45.90	99.15	109.27	104.43	4.84	22.591	
500.00	500.00	501.29	499.74	2.65	2.95	64.70	47.07	99.58	110.15	104.67	5.48	20.113	
600.00	600.00	599.17	597.60	2.93	3.48	64.26	48.37	100.33	111.41	105.21	6.20	17.982	
700.00	700.00	699.09	697.48	3.18	4.22	63.19	51.21	101.36	113.59	106.49	7.10	16.009	
800.00	800.00	799.13	797.44	3.41	4.88	61.60	55.09	101.89	115.86	107.94	7.92	14.625	
900.00	900.00	899.97	898.19	3.64	5.15	59.73	59.35	101.68	117.75	109.37	8.38	14.049	
1,000.00	1,000.00	1,000.25	998.43	3.85	5.42	58.47	62.27	101.50	119.09	110.27	8.82	13.497	
1,100.00	1,100.00	1,101.15	1,099.32	4.05	5.67	57.95	63.81	101.91	120.24	110.81	9.43	12.748	
1,200.00	1,200.00	1,203.11	1,201.27	4.24	6.03	58.18	63.26	101.95	119.99	109.72	10.27	11.685	
1,300.00	1,300.00	1,303.77	1,301.90	4.43	7.14	59.03	60.95	101.56	118.46	107.16	11.30	10.486	
1,400.00	1,400.00	1,403.67	1,401.77	4.61	8.42	59.88	58.66	101.10	116.90	104.51	12.39	9.434	
1,500.00	1,500.00	1,503.62	1,501.70	4.78	8.94	60.73	56.41	100.67	115.41	102.44	12.97	8.896	
1,600.00	1,600.00	1,603.57	1,601.62	4.95	9.19	61.76	53.91	100.39	113.96	100.53	13.43	8.487	
1,700.00	1,700.00	1,703.69	1,701.70	5.12	9.42	62.92	51.20	100.16	112.50	98.63	13.88	8.108	
1,800.00	1,800.00	1,803.84	1,801.81	5.28	9.66	64.11	48.42	99.79	110.93	96.61	14.32	7.747	
1,900.00	1,900.00	1,904.10	1,902.03	5.44	9.88	65.36	45.51	99.23	109.19	94.44	14.75	7.403	
2,000.00	2,000.00	2,004.32	2,002.20	5.59	10.10	66.70	42.40	98.45	107.22	92.04	15.18	7.065	
2,100.00	2,100.00	2,104.25	2,102.07	5.75	10.32	68.14	39.16	97.62	105.20	89.61	15.60	6.745	
2,200.00	2,200.00	2,204.13	2,201.90	5.89	10.53	69.70	35.83	96.86	103.29	87.27	16.02	6.448	
2,300.00	2,300.00	2,303.89	2,301.60	6.04	10.74	71.26	32.63	96.19	101.58	85.16	16.43	6.184	
2,400.00	2,400.00	2,403.74	2,401.40	6.19	10.95	72.77	29.66	95.62	100.12	83.29	16.83	5.949	
2,500.00	2,500.00	2,503.74	2,501.36	6.33	11.16	74.27	26.77	95.03	98.74	81.51	17.22	5.733	
2,600.00	2,600.00	2,603.49	2,601.07	6.47	11.36	75.79	23.92	94.45	97.43	79.83	17.61	5.534	
2,700.00	2,700.00	2,702.98	2,700.51	6.61	11.55	77.43	21.03	94.30	96.62	78.64	17.98	5.374	
2,800.00	2,800.00	2,802.86	2,800.35	6.74	11.75	79.13	18.15	94.53	96.25	77.91	18.34	5.247	
2,900.00	2,900.00	2,903.04	2,900.50	6.88	11.94	80.59	15.66	94.52	95.81	77.11	18.70	5.125	
3,000.00	3,000.00	3,002.95	3,000.39	7.01	12.13	81.81	13.58	94.33	95.30	76.27	19.04	5.006	
3,100.00	3,100.00	3,102.75	3,100.18	7.14	12.31	82.90	11.74	94.28	95.01	75.64	19.37	4.905	
3,143.94	3,143.94	3,146.52	3,143.94	7.20	12.39	83.37	10.97	94.33	94.96	75.45	19.51	4.867 CC	
3,200.00	3,200.00	3,202.31	3,199.72	7.27	12.49	84.05	9.85	94.53	95.05	75.35	19.69	4.826	
3,300.00	3,300.00	3,301.80	3,299.17	7.40	12.67	85.54	7.44	95.33	95.62	75.61	20.01	4.778	
3,400.00	3,400.00	3,401.44	3,398.76	7.52	12.86	87.27	4.61	96.58	96.70	76.36	20.33	4.756	
3,500.00	3,500.00	3,501.20	3,498.46	7.65	13.04	89.13	1.48	98.16	98.18	77.53	20.65	4.755	
3,600.00	3,600.00	3,602.26	3,599.47	7.77	13.22	90.89	-1.53	99.22	99.23	78.27	20.96	4.735	
3,700.00	3,700.00	3,703.17	3,700.35	7.90	13.40	92.38	-4.11	99.17	99.25	77.99	21.26	4.668	
3,800.00	3,800.00	3,803.54	3,800.69	8.02	13.57	93.77	-6.50	98.51	98.73	77.16	21.56	4.579	
3,900.00	3,900.00	3,903.95	3,901.06	8.14	13.73	95.14	-8.76	97.45	97.85	75.99	21.86	4.477	
4,000.00	4,000.00	4,004.41	4,001.49	8.26	13.89	96.31	-10.61	95.94	96.53	74.39	22.14	4.360	
4,100.00	4,099.98	4,104.40	4,101.46	8.49	14.04	108.84	-12.08	94.08	95.41	72.98	22.43	4.254	
4,123.44	4,123.40	4,127.73	4,124.78	8.53	14.08	109.62	-12.46	93.66	95.36	72.87	22.49	4.241 ES	
4,150.20	4,150.13	4,154.34	4,151.39	8.57	14.12	110.65	-12.92	93.21	95.43	72.88	22.55	4.232	
4,200.00	4,199.86	4,203.84	4,200.87	8.62	14.20	112.75	-13.87	92.43	95.80	73.14	22.67	4.227 SF	
4,300.00	4,299.73	4,303.72	4,300.72	8.75	14.37	116.99	-15.97	90.92	97.07	74.13	22.94	4.232	
4,400.00	4,399.59	4,403.91	4,400.87	8.90	14.54	121.06	-17.83	89.07	98.46	75.23	23.22	4.240	
4,500.00	4,499.45	4,503.00	4,499.93	9.06	14.74	124.90	-19.58	87.26	100.30	76.80	23.50	4.268	
4,600.00	4,599.31	4,601.74	4,598.65	9.23	14.96	128.50	-21.63	86.35	103.52	79.73	23.79	4.351	
4,700.00	4,699.18	4,702.04	4,698.92	9.41	15.20	131.87	-23.79	85.72	107.44	83.33	24.11	4.457	
4,800.00	4,799.04	4,802.57	4,799.42	9.60	15.46	135.08	-25.68	84.42	110.98	86.55	24.44	4.542	

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 502H - OH / 67810 - Surveys (H&P 653)													Offset Site Error: 0.00 usft
Survey Program: 220-MWD+HRGM													Offset Well Error: 1.00 usft
Rule Assigned:													Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,900.00	4,998.90	4,902.35	4,899.17	9.80	15.72	138.04	-27.31	82.88	114.50	89.73	24.78	4.621	
5,000.00	4,998.76	5,002.03	4,998.84	10.01	15.98	140.69	-28.73	81.48	118.29	93.16	25.13	4.707	
5,100.00	5,098.63	5,100.99	5,097.78	10.22	16.22	143.01	-30.19	80.61	122.73	97.23	25.51	4.812	
5,200.00	5,198.49	5,200.22	5,196.99	10.44	16.47	145.00	-31.82	80.46	127.99	102.10	25.90	4.942	
5,300.00	5,298.35	5,300.29	5,297.05	10.67	16.72	146.83	-33.45	80.33	133.41	107.08	26.33	5.067	
5,400.00	5,398.21	5,400.35	5,397.10	10.90	16.98	148.58	-35.01	79.93	138.72	111.95	26.76	5.183	
5,500.00	5,498.08	5,500.38	5,497.11	11.14	17.24	150.27	-36.55	79.29	143.97	116.76	27.21	5.291	
5,600.00	5,597.94	5,599.32	5,596.04	11.39	17.49	151.88	-38.17	78.56	149.35	121.68	27.67	5.398	
5,700.00	5,697.80	5,697.18	5,693.88	11.64	17.74	153.29	-40.49	78.60	155.90	127.76	28.14	5.541	
5,800.00	5,797.66	5,796.16	5,792.81	11.89	17.99	154.52	-43.47	79.38	163.50	134.86	28.64	5.709	
5,900.00	5,897.53	5,895.97	5,892.56	12.15	18.25	155.60	-46.41	80.32	171.18	142.02	29.16	5.870	
6,000.00	5,997.39	5,996.03	5,992.58	12.41	18.51	156.61	-49.27	81.11	178.78	149.09	29.69	6.021	
6,100.00	6,097.25	6,096.17	6,092.68	12.68	18.78	157.75	-52.29	81.20	186.18	155.95	30.24	6.158	
6,200.00	6,197.11	6,196.21	6,192.67	12.95	19.07	158.95	-55.38	80.74	193.43	162.64	30.78	6.283	
6,300.00	6,296.98	6,296.25	6,292.66	13.22	19.36	160.11	-58.39	80.05	200.56	169.22	31.34	6.400	
6,400.00	6,396.84	6,395.67	6,392.04	13.50	19.65	161.17	-61.33	79.38	207.73	175.84	31.90	6.513	
6,500.00	6,496.70	6,495.17	6,491.49	13.78	19.94	162.11	-64.28	78.94	215.09	182.63	32.45	6.627	
6,600.00	6,596.56	6,595.45	6,591.73	14.06	20.22	163.05	-67.26	78.24	222.38	189.37	33.02	6.736	
6,700.00	6,696.43	6,695.58	6,691.80	14.35	20.51	164.06	-70.22	76.98	229.47	195.89	33.59	6.832	
6,800.00	6,796.29	6,795.19	6,791.36	14.64	20.80	164.99	-73.11	75.71	236.58	202.42	34.15	6.927	
6,900.00	6,896.15	6,894.71	6,890.83	14.93	21.09	165.82	-75.93	74.66	243.76	209.04	34.72	7.021	
7,000.00	6,996.02	6,994.03	6,990.11	15.22	21.38	166.58	-78.82	73.73	251.12	215.82	35.30	7.115	
7,100.00	7,095.88	7,093.27	7,089.30	15.51	21.67	167.28	-81.82	72.93	258.66	222.78	35.88	7.209	
7,200.00	7,195.74	7,192.45	7,188.43	15.81	21.96	167.89	-84.87	72.42	266.42	229.95	36.46	7.306	
7,300.00	7,295.60	7,291.89	7,287.82	16.11	22.25	168.41	-87.99	72.19	274.35	237.30	37.05	7.404	
7,400.00	7,395.47	7,391.51	7,387.39	16.41	22.54	168.92	-91.16	71.91	282.33	244.68	37.65	7.499	
7,500.00	7,495.33	7,491.60	7,487.44	16.71	22.84	169.42	-94.33	71.53	290.29	252.04	38.25	7.589	
7,600.00	7,595.19	7,591.91	7,587.70	17.02	23.13	169.92	-97.35	70.96	298.06	259.20	38.85	7.671	
7,700.00	7,695.05	7,692.13	7,687.87	17.32	23.42	170.40	-100.20	70.26	305.64	266.20	39.45	7.748	
7,800.00	7,794.92	7,792.35	7,788.05	17.63	23.72	170.86	-102.89	69.54	313.08	273.04	40.04	7.819	
7,900.00	7,894.78	7,893.85	7,889.52	17.94	23.98	171.23	-105.14	69.04	320.18	279.55	40.63	7.881	
8,000.00	7,994.64	7,995.76	7,991.42	18.25	24.22	171.45	-106.58	69.06	326.71	285.54	41.17	7.935	
8,100.00	8,094.50	8,099.50	8,095.16	18.56	24.27	171.61	-107.01	69.07	332.28	290.74	41.54	7.998	
8,137.75	8,132.20	8,138.69	8,134.36	18.66	24.30	171.67	-106.87	68.97	334.08	292.41	41.67	8.017	
8,200.00	8,194.40	8,201.50	8,197.17	18.84	24.30	171.75	-106.37	68.76	336.10	294.24	41.87	8.028	
8,287.95	8,282.34	8,287.97	8,283.62	19.05	24.27	161.25	-105.81	68.77	336.91	294.85	42.06	8.010	
8,300.00	8,294.38	8,299.81	8,295.47	19.05	24.26	161.24	-105.76	68.81	336.87	294.80	42.06	8.008	
8,400.00	8,394.38	8,399.25	8,394.91	19.11	24.25	161.15	-105.45	69.28	336.73	294.61	42.12	7.995	
8,500.00	8,494.38	8,500.22	8,495.87	19.18	24.26	161.17	-105.21	69.04	336.43	294.23	42.19	7.973	
8,578.02	8,572.40	8,576.75	8,572.40	19.23	24.32	161.29	-105.14	68.27	336.11	293.79	42.32	7.942	
8,600.00	8,594.38	8,597.52	8,593.18	19.24	24.35	161.33	-105.26	68.04	336.15	293.78	42.37	7.933	
8,700.00	8,694.38	8,692.02	8,687.65	19.31	24.52	161.57	-106.74	67.10	337.33	294.71	42.62	7.915	
8,800.00	8,794.38	8,789.68	8,785.26	19.38	24.76	161.86	-109.65	66.22	339.86	296.91	42.95	7.913	
8,900.00	8,894.38	8,889.59	8,885.12	19.45	25.05	162.17	-112.78	65.29	342.55	299.22	43.33	7.905	
8,972.95	8,967.34	8,962.39	8,957.89	19.49	25.27	162.40	-115.09	64.57	344.54	300.95	43.59	7.904	
8,975.00	8,969.38	8,964.43	8,959.92	19.49	25.27	-106.76	-115.15	64.55	344.59	301.00	43.59	7.904	
9,000.00	8,994.37	8,989.35	8,984.83	19.50	25.35	-106.69	-115.96	64.28	345.50	301.83	43.67	7.912	
9,025.00	9,019.28	9,014.22	9,009.68	19.51	25.42	-106.78	-116.77	63.99	346.79	303.06	43.73	7.929	
9,050.00	9,044.05	9,038.96	9,034.40	19.53	25.49	-107.03	-117.59	63.70	348.48	304.69	43.79	7.959	
9,075.00	9,068.61	9,063.50	9,058.94	19.55	25.57	-107.41	-118.41	63.39	350.58	306.76	43.82	8.001	
9,100.00	9,092.89	9,087.80	9,083.21	19.58	25.64	-107.93	-119.23	63.07	353.14	309.30	43.84	8.056	
9,125.00	9,116.83	9,111.68	9,107.08	19.60	25.71	-108.55	-120.04	62.75	356.19	312.35	43.84	8.125	

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 502H - OH / 67810 - Surveys (H&P 653)													Offset Site Error: 0.00 usft
Survey Program: 220-MWD+HRGM													Offset Well Error: 1.00 usft
Rule Assigned:													
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,150.00	9,140.35	9,134.78	9,130.17	19.63	25.78	-109.25	-120.84	62.46	359.80	315.98	43.82	8.211	
9,175.00	9,163.41	9,157.40	9,152.77	19.66	25.84	-110.00	-121.65	62.23	364.05	320.27	43.78	8.315	
9,200.00	9,185.92	9,179.47	9,174.83	19.69	25.91	-110.80	-122.45	62.04	369.00	325.27	43.73	8.438	
9,225.00	9,207.84	9,200.93	9,196.27	19.73	25.97	-111.60	-123.24	61.89	374.70	331.05	43.65	8.584	
9,250.00	9,229.10	9,221.71	9,217.03	19.77	26.03	-112.37	-124.03	61.78	381.21	337.66	43.55	8.753	
9,275.00	9,249.64	9,241.74	9,237.05	19.82	26.09	-113.10	-124.80	61.72	388.59	345.15	43.44	8.946	
9,300.00	9,269.40	9,260.98	9,256.28	19.87	26.15	-113.75	-125.55	61.68	396.89	353.59	43.31	9.165	
9,325.00	9,288.34	9,279.37	9,274.65	19.92	26.20	-114.30	-126.28	61.68	406.15	362.99	43.16	9.411	
9,350.00	9,306.40	9,297.18	9,292.44	19.99	26.26	-114.74	-127.00	61.70	416.38	373.38	43.00	9.683	
9,375.00	9,323.53	9,315.60	9,310.85	20.06	26.31	-115.18	-127.70	61.73	427.57	384.73	42.84	9.981	
9,400.00	9,339.68	9,332.98	9,328.22	20.13	26.37	-115.45	-128.30	61.75	439.69	397.03	42.67	10.305	
9,425.00	9,354.81	9,349.28	9,344.51	20.22	26.42	-115.51	-128.81	61.77	452.77	410.27	42.49	10.656	
9,450.00	9,368.88	9,364.44	9,359.67	20.31	26.47	-115.36	-129.24	61.78	466.78	424.47	42.31	11.032	
9,475.00	9,381.85	9,378.44	9,373.66	20.41	26.51	-114.94	-129.60	61.78	481.71	439.58	42.13	11.433	
9,500.00	9,393.69	9,391.21	9,386.43	20.53	26.55	-114.23	-129.89	61.78	497.55	455.59	41.95	11.859	
9,525.00	9,404.35	9,402.74	9,397.96	20.66	26.59	-113.21	-130.12	61.78	514.23	472.46	41.78	12.309	
9,550.00	9,413.82	9,412.98	9,408.20	20.79	26.62	-111.82	-130.30	61.78	531.73	490.12	41.61	12.780	
9,575.00	9,422.06	9,421.91	9,417.12	20.95	26.65	-110.04	-130.45	61.77	549.98	508.54	41.44	13.272	
9,600.00	9,429.06	9,429.50	9,424.71	21.11	26.67	-107.82	-130.56	61.77	568.92	527.64	41.28	13.783	
9,625.00	9,434.79	9,435.73	9,430.94	21.29	26.69	-105.12	-130.64	61.76	588.49	547.37	41.12	14.311	
9,650.00	9,439.24	9,440.57	9,435.78	21.48	26.71	-101.91	-130.70	61.76	608.60	567.63	40.97	14.855	
9,675.00	9,442.40	9,444.02	9,439.23	21.68	26.72	-98.17	-130.74	61.76	629.19	588.37	40.82	15.413	
9,700.00	9,444.25	9,446.06	9,441.27	21.89	26.73	-93.89	-130.76	61.75	650.18	609.51	40.68	15.983	
9,725.00	9,444.80	9,446.69	9,441.90	22.12	26.73	-89.11	-130.77	61.75	671.49	630.95	40.54	16.564	
9,727.79	9,444.78	9,446.67	9,441.88	22.14	26.73	-88.55	-130.77	61.75	673.88	633.36	40.52	16.629	
9,800.00	9,444.05	9,445.97	9,441.18	22.87	26.73	-88.43	-130.76	61.75	736.81	696.64	40.17	18.341	
9,900.00	9,443.03	9,445.00	9,440.21	24.04	26.72	-88.27	-130.75	61.76	826.47	786.65	39.81	20.760	
10,000.00	9,442.02	9,444.03	9,439.24	25.38	26.72	-88.11	-130.74	61.76	918.26	878.71	39.55	23.219	
10,100.00	9,441.01	9,443.05	9,438.26	26.86	26.72	-87.95	-130.73	61.76	1,011.61	972.25	39.35	25.705	
10,200.00	9,440.00	9,442.07	9,437.28	28.45	26.71	-87.79	-130.72	61.76	1,106.12	1,066.90	39.21	28.208	
10,300.00	9,438.98	9,441.08	9,436.29	30.13	26.71	-87.62	-130.71	61.76	1,201.52	1,162.41	39.11	30.724	
10,400.00	9,437.97	9,440.09	9,435.31	31.90	26.71	-87.46	-130.69	61.76	1,297.61	1,258.58	39.03	33.247	
10,500.00	9,436.96	9,439.10	9,434.31	33.72	26.70	-87.29	-130.68	61.76	1,394.25	1,355.28	38.97	35.775	
10,600.00	9,435.95	9,438.11	9,433.32	35.60	26.70	-87.13	-130.67	61.76	1,491.33	1,452.40	38.93	38.305	
10,700.00	9,434.94	9,437.11	9,432.32	37.53	26.70	-86.96	-130.66	61.76	1,588.78	1,549.87	38.91	40.835	
10,800.00	9,433.92	9,436.11	9,431.32	39.50	26.69	-86.80	-130.65	61.76	1,686.52	1,647.63	38.89	43.365	
10,900.00	9,432.91	9,435.10	9,430.32	41.50	26.69	-86.63	-130.63	61.76	1,784.51	1,745.63	38.88	45.892	
11,000.00	9,431.90	9,434.10	9,429.31	43.53	26.69	-86.47	-130.62	61.77	1,882.72	1,843.83	38.89	48.417	
11,100.00	9,430.89	9,433.08	9,428.29	45.58	26.68	-86.30	-130.61	61.77	1,981.10	1,942.20	38.89	50.937	
11,200.00	9,429.87	13,374.10	11,416.71	47.65	55.96	-168.76	-210.27	-2,024.52	2,026.02	1,969.16	56.86	35.631	
11,234.33	9,429.53	13,392.11	11,416.48	48.37	56.30	-168.77	-210.39	-2,042.52	2,025.88	1,968.67	57.21	35.411	
11,300.00	9,428.86	13,427.43	11,416.47	49.75	56.97	-168.78	-210.57	-2,077.84	2,026.38	1,968.50	57.88	35.011	
11,400.00	9,427.85	13,548.28	11,416.39	51.86	59.30	-168.81	-211.38	-2,198.68	2,027.12	1,967.98	59.14	34.276	
11,500.00	9,426.84	13,655.30	11,415.94	53.98	61.38	-168.81	-213.09	-2,305.70	2,027.74	1,967.38	60.37	33.591	
11,600.00	9,425.82	13,779.85	11,413.82	56.12	63.85	-168.81	-214.70	-2,430.21	2,026.99	1,965.30	61.69	32.859	
11,700.00	9,424.81	13,865.57	11,412.55	58.27	65.57	-168.86	-214.14	-2,515.92	2,026.14	1,963.28	62.86	32.231	
11,800.00	9,423.80	13,977.68	11,411.21	60.42	67.83	-168.89	-214.31	-2,628.02	2,025.74	1,961.58	64.16	31.572	
11,871.72	9,423.07	14,029.55	11,410.35	61.98	68.89	-168.89	-215.02	-2,679.88	2,025.31	1,960.29	65.01	31.152	
11,900.00	9,422.79	14,047.99	11,410.18	62.59	69.27	-168.89	-215.44	-2,698.31	2,025.38	1,960.03	65.34	30.995	
12,000.00	9,421.77	14,153.17	11,409.62	64.77	71.42	-168.84	-218.94	-2,803.43	2,026.24	1,959.51	66.73	30.366	
12,100.00	9,420.76	14,224.57	11,409.03	66.95	72.88	-168.80	-221.33	-2,874.79	2,026.90	1,958.93	67.97	29.820	
12,200.00	9,419.75	14,291.19	11,409.93	69.14	74.26	-168.77	-223.60	-2,941.36	2,029.52	1,960.33	69.19	29.332	

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 502H - OH / 67810 - Surveys (H&P 653)												Offset Site Error:	0.00 usft
Survey Program: 220-MWD+HRGM												Offset Well Error:	1.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
12,300.00	9,418.74	14,393.41	11,411.84	71.34	76.37	-168.71	-227.99	-3,043.47	2,032.91	1,962.27	70.64	28.778	
12,400.00	9,417.73	14,530.80	11,412.57	73.54	79.23	-168.56	-235.65	-3,180.64	2,035.27	1,962.92	72.35	28.130	
12,500.00	9,416.71	14,702.78	11,408.04	75.74	82.84	-168.35	-245.25	-3,352.27	2,034.26	1,959.93	74.33	27.367	
12,600.00	9,415.70	14,801.28	11,404.57	77.95	84.93	-168.31	-247.59	-3,450.68	2,031.99	1,956.18	75.81	26.804	
12,700.00	9,414.69	14,876.64	11,402.43	80.17	86.53	-168.29	-249.06	-3,526.00	2,030.35	1,953.18	77.17	26.310	
12,800.00	9,413.68	14,968.40	11,401.06	82.39	88.49	-168.26	-251.42	-3,617.72	2,030.07	1,951.43	78.64	25.814	
12,900.00	9,412.66	15,120.70	11,396.48	84.61	91.74	-168.20	-255.30	-3,769.90	2,028.37	1,947.90	80.47	25.208	
13,000.00	9,411.65	15,232.31	11,390.75	86.84	94.14	-168.20	-255.78	-3,881.35	2,024.03	1,941.98	82.04	24.670	
13,100.00	9,410.64	15,298.00	11,389.19	89.07	95.56	-168.23	-255.58	-3,947.02	2,021.95	1,938.54	83.41	24.242	
13,139.46	9,410.24	15,298.00	11,389.19	89.95	95.56	-168.23	-255.58	-3,947.02	2,021.57	1,937.77	83.79	24.126	
13,200.00	9,409.63	15,335.42	11,389.20	91.30	96.37	-168.25	-255.52	-3,984.44	2,021.96	1,937.38	84.58	23.905	
13,300.00	9,408.61	15,410.24	11,390.04	93.53	97.98	-168.27	-256.15	-4,059.25	2,023.88	1,937.91	85.97	23.543	
13,400.00	9,407.60	15,520.59	11,391.24	95.77	100.37	-168.27	-258.05	-4,169.57	2,025.99	1,938.42	87.57	23.135	
13,500.00	9,406.59	15,643.00	11,391.51	98.01	103.03	-168.24	-261.46	-4,291.93	2,027.50	1,938.20	89.31	22.703	
13,600.00	9,405.58	15,704.73	11,391.40	100.25	104.37	-168.22	-263.06	-4,353.64	2,028.81	1,938.15	90.66	22.379	
13,700.00	9,404.57	15,767.00	11,393.78	102.49	105.73	-168.22	-264.48	-4,415.85	2,033.22	1,941.23	91.99	22.104	
13,800.00	9,403.55	15,820.08	11,396.96	104.74	106.88	-168.23	-265.63	-4,468.82	2,039.59	1,946.38	93.20	21.883	
13,900.00	9,402.54	16,107.23	11,399.09	106.99	113.16	-168.32	-267.65	-4,755.81	2,039.93	1,943.86	96.07	21.233	
14,000.00	9,401.53	16,235.54	11,394.10	109.24	115.98	-168.35	-267.57	-4,884.02	2,036.79	1,939.04	97.76	20.835	
14,100.00	9,400.52	16,360.40	11,387.07	111.49	118.72	-168.33	-269.10	-5,008.67	2,032.17	1,932.67	99.50	20.423	
14,200.00	9,399.50	16,462.71	11,380.80	113.74	120.97	-168.28	-271.04	-5,110.77	2,027.26	1,926.09	101.18	20.037	
14,300.00	9,398.49	16,548.51	11,375.22	115.99	122.86	-168.23	-273.19	-5,196.35	2,022.16	1,919.36	102.80	19.670	
14,400.00	9,397.48	16,609.00	11,372.32	118.24	124.19	-168.19	-275.01	-5,256.75	2,018.76	1,914.47	104.28	19.358	
14,500.00	9,396.47	16,696.28	11,369.06	120.50	126.12	-168.11	-278.68	-5,343.89	2,016.66	1,910.68	105.98	19.029	
14,600.00	9,395.45	16,820.04	11,363.64	122.76	128.84	-167.95	-285.18	-5,467.36	2,014.12	1,906.12	108.00	18.649	
14,699.16	9,394.45	16,859.00	11,361.74	125.00	129.70	-167.91	-287.20	-5,506.22	2,012.06	1,902.70	109.35	18.400	
14,700.00	9,394.44	16,859.00	11,361.74	125.01	129.70	-167.91	-287.20	-5,506.22	2,012.06	1,902.70	109.36	18.398	
14,800.00	9,393.43	16,859.00	11,361.74	127.27	129.70	-167.91	-287.20	-5,506.22	2,014.58	1,904.35	110.23	18.276	
14,811.79	9,393.31	16,859.00	11,361.74	127.54	129.70	-167.91	-287.20	-5,506.22	2,015.21	1,904.89	110.32	18.268	

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 504H - OH / 67811 - Surveys (H&P 653)												Offset Site Error:	0.00 usft
Survey Program: 312-MWD+HRGM												Offset Well Error:	1.00 usft
Reference												Rule Assigned:	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	0.00	12.50	1.00	1.00	173.65	-943.00	105.00	948.91				
100.00	100.00	85.95	98.45	1.09	1.28	173.65	-943.08	104.95	948.90	946.54	2.36	401.692	
200.00	200.00	184.18	196.68	1.60	1.98	173.66	-943.35	104.79	949.16	945.58	3.57	265.620	
300.00	300.00	282.41	294.90	2.01	2.80	173.68	-943.82	104.50	949.60	944.79	4.80	197.653	
400.00	400.00	387.04	399.53	2.35	3.47	173.71	-944.28	104.01	949.99	944.18	5.81	163.393	
500.00	500.00	494.43	506.92	2.65	4.08	173.76	-944.01	103.15	949.65	942.94	6.71	141.532	
600.00	600.00	605.26	617.73	2.93	4.35	173.83	-942.64	101.98	948.31	941.07	7.23	131.086	
700.00	700.00	707.61	720.06	3.18	4.74	173.88	-940.70	100.94	946.31	938.44	7.87	120.231	
800.00	800.00	809.90	822.33	3.41	5.11	173.91	-938.48	100.07	944.07	935.60	8.47	111.488	
900.00	900.00	912.05	924.44	3.64	5.41	173.92	-935.98	99.66	941.59	932.60	8.98	104.802	
1,000.00	1,000.00	1,006.52	1,018.88	3.85	5.73	173.93	-933.84	99.23	939.28	929.77	9.51	98.771	
1,100.00	1,100.00	1,101.44	1,113.79	4.05	6.06	173.99	-932.31	98.19	937.56	927.53	10.03	93.437	
1,200.00	1,200.00	1,198.91	1,211.25	4.24	6.46	174.06	-931.13	96.86	936.23	925.63	10.60	88.349	
1,300.00	1,300.00	1,297.47	1,309.79	4.43	6.85	174.14	-930.21	95.50	935.15	923.99	11.15	83.841	
1,400.00	1,400.00	1,399.46	1,411.76	4.61	7.25	174.21	-929.16	94.17	933.99	922.29	11.71	79.785	
1,500.00	1,500.00	1,499.84	1,512.13	4.78	7.64	174.28	-927.94	92.97	932.66	920.42	12.24	76.203	
1,600.00	1,600.00	1,597.79	1,610.06	4.95	8.01	174.35	-926.89	91.77	931.47	918.73	12.74	73.085	
1,700.00	1,700.00	1,694.64	1,706.91	5.12	8.35	174.42	-926.10	90.46	930.53	917.31	13.21	70.416	
1,800.00	1,800.00	1,790.35	1,802.60	5.28	8.67	174.52	-925.77	88.76	930.02	916.37	13.65	68.151	
1,856.50	1,856.50	1,844.03	1,856.27	5.37	8.83	174.59	-925.80	87.62	929.94	916.06	13.88	67.011 CC	
1,900.00	1,900.00	1,884.10	1,896.33	5.44	8.92	174.64	-925.96	86.83	930.03	916.01	14.02	66.337 ES	
2,000.00	2,000.00	1,976.23	1,988.44	5.59	9.14	174.72	-926.83	85.58	930.85	916.50	14.34	64.895	
2,100.00	2,100.00	2,070.44	2,082.64	5.75	9.35	174.77	-928.41	84.95	932.45	917.78	14.67	63.555	
2,200.00	2,200.00	2,166.70	2,178.87	5.89	9.55	174.83	-930.48	84.18	934.51	919.51	15.00	62.286	
2,300.00	2,300.00	2,266.01	2,278.15	6.04	9.78	174.91	-932.93	83.16	936.88	921.54	15.34	61.057	
2,400.00	2,400.00	2,367.64	2,379.74	6.19	10.02	174.99	-935.32	82.05	939.13	923.43	15.69	59.850	
2,500.00	2,500.00	2,469.15	2,481.23	6.33	10.26	175.07	-937.53	80.94	941.20	925.16	16.04	58.677	
2,600.00	2,600.00	2,570.64	2,582.69	6.47	10.50	175.13	-939.56	80.00	943.12	926.73	16.39	57.542	
2,700.00	2,700.00	2,671.27	2,683.30	6.61	10.73	175.19	-941.43	79.25	944.91	928.18	16.73	56.468	
2,800.00	2,800.00	2,771.89	2,783.90	6.74	10.97	175.23	-943.24	78.66	946.65	929.57	17.08	55.414	
2,900.00	2,900.00	2,875.57	2,887.57	6.88	11.22	175.29	-944.88	77.81	948.16	930.73	17.43	54.398	
3,000.00	3,000.00	2,977.98	2,989.96	7.01	11.47	175.38	-946.16	76.41	949.29	931.52	17.77	53.433	
3,100.00	3,100.00	3,076.00	3,087.97	7.14	11.68	175.45	-947.38	75.45	950.45	932.37	18.08	52.557	
3,200.00	3,200.00	3,173.12	3,185.08	7.27	11.88	175.46	-948.73	75.30	951.84	933.44	18.40	51.732	
3,300.00	3,300.00	3,268.29	3,280.23	7.40	12.02	175.42	-950.40	76.17	953.66	934.95	18.71	50.969	
3,400.00	3,400.00	3,361.08	3,372.97	7.52	12.16	175.32	-952.45	78.04	956.03	937.01	19.02	50.268	
3,500.00	3,500.00	3,449.28	3,461.09	7.65	12.28	175.18	-955.28	80.62	959.47	940.14	19.32	49.655	
3,600.00	3,600.00	3,542.36	3,554.02	7.77	12.41	174.99	-959.31	84.09	964.08	944.44	19.64	49.095	
3,700.00	3,700.00	3,653.26	3,664.75	7.90	12.57	174.76	-963.60	88.41	968.29	948.29	20.00	48.420	
3,800.00	3,800.00	3,770.86	3,782.23	8.02	12.71	174.52	-966.57	92.80	971.18	950.84	20.34	47.741	
3,900.00	3,900.00	3,894.35	3,905.65	8.14	12.83	174.29	-966.96	96.76	971.81	951.14	20.67	47.019	
4,000.00	4,000.00	3,996.33	4,007.59	8.26	12.93	174.12	-966.00	99.49	971.14	950.19	20.95	46.365	
4,024.03	4,024.03	4,020.90	4,032.15	8.32	12.96	-175.41	-965.74	100.08	971.04	950.01	21.04	46.159	
4,100.00	4,099.98	4,099.52	4,110.75	8.49	13.04	-175.52	-964.82	101.77	971.97	950.65	21.32	45.579	
4,150.20	4,150.13	4,153.50	4,164.71	8.57	13.09	-175.59	-964.01	102.70	973.50	952.03	21.48	45.331	
4,200.00	4,199.86	4,207.04	4,218.24	8.62	13.14	-175.65	-963.03	103.41	975.26	953.67	21.59	45.171	
4,300.00	4,299.73	4,315.42	4,326.59	8.75	13.26	-175.74	-960.43	104.27	978.20	956.33	21.86	44.739	
4,400.00	4,399.59	4,424.86	4,435.96	8.90	13.40	-175.84	-956.79	105.09	980.20	958.03	22.17	44.222	
4,500.00	4,499.45	4,527.07	4,538.09	9.06	13.54	-175.93	-952.67	105.85	981.50	959.03	22.48	43.670	
4,600.00	4,599.31	4,626.54	4,637.48	9.23	13.68	-176.01	-948.70	106.37	982.82	960.03	22.79	43.118	
4,700.00	4,699.18	4,724.96	4,735.82	9.41	13.82	-176.07	-944.89	106.61	984.24	961.11	23.13	42.547	
4,800.00	4,799.04	4,823.22	4,834.01	9.60	13.98	-176.11	-941.31	106.50	985.84	962.36	23.48	41.989	

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 504H - OH / 67811 - Surveys (H&P 653)												Offset Site Error:	0.00 usft	
Survey Program:		312-MWD+HRGM		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
4,900.00	4,898.90	4,928.22	4,938.94	9.80	14.15	-176.14	-937.33	106.30	987.28	963.43	23.85	41.393		
5,000.00	4,998.76	5,031.98	5,042.60	10.01	14.32	-176.20	-932.82	106.37	988.20	963.96	24.23	40.777		
5,100.00	5,098.63	5,129.38	5,139.91	10.22	14.49	-176.26	-928.58	106.58	989.12	964.50	24.63	40.166		
5,200.00	5,198.49	5,226.03	5,236.48	10.44	14.66	-176.32	-924.61	106.88	990.32	965.30	25.03	39.571		
5,300.00	5,298.35	5,320.60	5,330.98	10.67	14.84	-176.38	-921.20	107.08	991.99	966.56	25.43	39.002		
5,400.00	5,398.21	5,420.77	5,431.11	10.90	15.02	-176.42	-918.07	107.14	994.13	968.27	25.86	38.443		
5,500.00	5,498.08	5,535.71	5,545.94	11.14	15.24	-176.50	-913.31	107.56	995.30	968.98	26.32	37.820		
5,600.00	5,597.94	5,637.60	5,647.69	11.39	15.44	-176.60	-907.96	108.32	995.41	968.64	26.77	37.187		
5,700.00	5,697.80	5,732.72	5,742.70	11.64	15.63	-176.69	-903.32	109.03	995.88	968.67	27.22	36.591		
5,800.00	5,797.66	5,827.46	5,837.34	11.89	15.82	-176.77	-899.18	109.63	996.87	969.20	27.67	36.024		
5,900.00	5,897.53	5,922.02	5,931.83	12.15	16.01	-176.83	-895.61	109.89	998.39	970.26	28.13	35.490		
6,000.00	5,997.39	6,025.88	6,035.63	12.41	16.23	-176.88	-891.92	110.11	1,000.13	971.52	28.61	34.952		
6,100.00	6,097.25	6,133.64	6,143.28	12.68	16.45	-177.00	-887.20	111.23	1,001.16	972.05	29.11	34.393		
6,200.00	6,197.11	6,230.44	6,239.97	12.95	16.66	-177.13	-882.67	112.60	1,001.94	972.35	29.59	33.857		
6,300.00	6,296.98	6,326.94	6,336.37	13.22	16.87	-177.24	-878.52	113.75	1,003.08	972.99	30.08	33.346		
6,400.00	6,396.84	6,424.38	6,433.71	13.50	17.07	-177.37	-874.58	115.23	1,004.51	973.95	30.57	32.864		
6,500.00	6,496.70	6,522.71	6,531.94	13.78	17.27	-177.54	-870.74	117.55	1,006.20	975.15	31.06	32.399		
6,600.00	6,596.56	6,627.93	6,637.06	14.06	17.50	-177.69	-866.48	119.44	1,007.68	976.11	31.57	31.922		
6,700.00	6,696.43	6,731.40	6,740.43	14.35	17.73	-177.77	-861.97	119.91	1,008.67	976.58	32.09	31.437		
6,800.00	6,796.29	6,831.40	6,840.34	14.64	17.97	-177.82	-857.55	119.95	1,009.54	976.93	32.61	30.954		
6,900.00	6,896.15	6,930.82	6,939.66	14.93	18.22	-177.86	-853.20	119.83	1,010.43	977.29	33.15	30.483		
7,000.00	6,996.02	7,029.59	7,038.34	15.22	18.46	-177.88	-849.03	119.40	1,011.43	977.74	33.68	30.027		
7,100.00	7,095.88	7,126.28	7,134.95	15.51	18.70	-177.89	-845.15	118.76	1,012.60	978.38	34.22	29.594		
7,200.00	7,195.74	7,221.39	7,229.99	15.81	18.93	-177.91	-841.71	118.46	1,014.22	979.47	34.75	29.189		
7,300.00	7,295.60	7,327.18	7,335.71	16.11	19.19	-177.95	-838.01	118.42	1,016.00	980.69	35.31	28.774		
7,400.00	7,395.47	7,439.98	7,448.39	16.41	19.48	-177.99	-832.83	118.19	1,016.67	980.77	35.89	28.324		
7,500.00	7,495.33	7,535.87	7,544.16	16.71	19.73	-178.03	-827.96	117.91	1,016.85	980.40	36.45	27.898		
7,600.00	7,595.19	7,633.00	7,641.19	17.02	19.98	-178.06	-823.53	117.76	1,017.54	980.54	37.01	27.496		
7,700.00	7,695.05	7,725.25	7,733.36	17.32	20.22	-178.09	-819.81	117.55	1,018.75	981.20	37.55	27.131		
7,800.00	7,794.92	7,821.00	7,829.06	17.63	20.47	-178.10	-816.50	117.09	1,020.50	982.40	38.10	26.783		
7,900.00	7,894.78	7,914.81	7,922.83	17.94	20.70	-178.10	-813.78	116.36	1,022.75	984.11	38.64	26.470		
8,000.00	7,994.64	8,009.84	8,017.82	18.25	20.93	-178.06	-811.54	115.29	1,025.49	986.31	39.18	26.175		
8,100.00	8,094.50	8,113.83	8,121.78	18.56	21.18	-178.02	-809.15	114.02	1,028.27	988.53	39.74	25.873		
8,137.75	8,132.20	8,153.10	8,161.03	18.66	21.27	-178.01	-808.13	113.58	1,029.22	989.27	39.95	25.764		
8,200.00	8,194.40	8,218.32	8,226.23	18.84	21.43	-178.00	-806.29	112.93	1,029.98	989.69	40.29	25.565		
8,287.95	8,282.34	8,311.76	8,319.61	19.05	21.67	171.49	-803.17	112.59	1,028.38	987.65	40.73	25.247		
8,300.00	8,294.38	8,324.55	8,332.39	19.05	21.71	171.48	-802.70	112.60	1,027.94	987.17	40.77	25.213		
8,400.00	8,394.38	8,427.08	8,434.84	19.11	21.97	171.42	-798.56	113.12	1,024.02	982.92	41.10	24.918		
8,500.00	8,494.38	8,525.03	8,532.71	19.18	22.23	171.39	-794.75	113.06	1,020.16	978.74	41.42	24.629		
8,600.00	8,594.38	8,626.28	8,633.89	19.24	22.50	171.40	-791.03	112.28	1,016.42	974.66	41.76	24.340		
8,700.00	8,694.38	8,730.43	8,737.95	19.31	22.78	171.41	-786.83	111.52	1,012.32	970.21	42.11	24.039		
8,800.00	8,794.38	8,832.56	8,839.99	19.38	23.07	171.41	-782.34	110.88	1,007.88	965.42	42.46	23.735		
8,900.00	8,894.38	8,933.97	8,941.29	19.45	23.35	171.41	-777.72	110.21	1,003.28	960.46	42.82	23.432		
8,972.95	8,967.34	9,003.52	9,010.76	19.49	23.55	171.41	-774.60	109.70	999.96	956.91	43.05	23.227		
8,975.00	8,969.38	9,005.45	9,012.69	19.49	23.55	-97.78	-774.52	109.68	999.88	956.82	43.06	23.222		
9,000.00	8,994.37	9,028.98	9,036.20	19.50	23.62	-97.93	-773.53	109.49	998.92	955.78	43.13	23.159		
9,025.00	9,019.28	9,052.46	9,059.66	19.51	23.68	-98.12	-772.59	109.30	998.17	954.96	43.21	23.100		
9,050.00	9,044.05	9,075.81	9,083.00	19.53	23.75	-98.36	-771.68	109.09	997.66	954.37	43.29	23.045		
9,075.00	9,068.61	9,098.99	9,106.15	19.55	23.81	-98.64	-770.81	108.88	997.38	954.01	43.38	22.994		
9,089.10	9,082.34	9,111.96	9,119.11	19.57	23.85	-98.80	-770.34	108.76	997.34	953.92	43.42	22.968		
9,100.00	9,092.89	9,121.92	9,129.07	19.58	23.88	-98.94	-769.99	108.66	997.37	953.91	43.46	22.949		
9,125.00	9,116.83	9,145.75	9,152.89	19.60	23.94	-99.30	-769.16	108.42	997.62	954.07	43.55	22.907		

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 504H - OH / 67811 - Surveys (H&P 653)													Offset Site Error:	0.00 usft
Survey Program:		312-MWD+HRGM					Rule Assigned:				Offset Well Error:	1.00 usft		
Reference	Offset	Semi Major Axis			Offset Wellbore Centre		Distance				Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)		Minimum Separation (usft)	Separation Factor	
9,150.00	9,140.35	9,170.59	9,177.70	19.63	24.01	-99.70	-768.29	108.12	998.13	954.48	43.64	22.869		
9,175.00	9,163.41	9,194.98	9,202.08	19.66	24.08	-100.14	-767.41	107.76	998.90	955.16	43.74	22.837		
9,200.00	9,185.92	9,218.87	9,225.95	19.69	24.14	-100.58	-766.53	107.36	999.98	956.14	43.84	22.810		
9,225.00	9,207.84	9,242.21	9,249.27	19.73	24.20	-101.04	-765.66	106.91	1,001.38	957.45	43.94	22.791		
9,250.00	9,229.10	9,264.93	9,271.96	19.77	24.26	-101.49	-764.79	106.42	1,003.16	959.12	44.04	22.779		
9,275.00	9,249.64	9,286.98	9,293.99	19.82	24.32	-101.92	-763.93	105.90	1,005.35	961.21	44.14	22.776		
9,300.00	9,269.40	9,308.29	9,315.28	19.87	24.38	-102.32	-763.08	105.36	1,007.98	963.73	44.24	22.783		
9,325.00	9,288.34	9,321.00	9,327.97	19.92	24.42	-102.40	-762.57	105.01	1,011.11	966.79	44.32	22.814		
9,350.00	9,306.40	9,342.41	9,349.36	19.99	24.46	-102.77	-761.75	104.40	1,014.78	970.36	44.42	22.844		
9,375.00	9,323.53	9,357.00	9,363.94	20.06	24.50	-102.84	-761.26	103.98	1,019.09	974.59	44.51	22.898		
9,400.00	9,339.68	9,370.83	9,377.75	20.13	24.53	-102.83	-760.83	103.57	1,024.04	979.45	44.59	22.966		
9,425.00	9,354.81	9,383.85	9,390.76	20.22	24.56	-102.73	-760.47	103.18	1,029.65	984.97	44.67	23.048		
9,450.00	9,368.88	9,396.02	9,402.93	20.31	24.59	-102.52	-760.16	102.81	1,035.92	991.16	44.76	23.144		
9,475.00	9,381.85	9,407.32	9,414.22	20.41	24.61	-102.21	-759.91	102.46	1,042.87	998.02	44.84	23.256		
9,500.00	9,393.69	9,417.71	9,424.60	20.53	24.64	-101.78	-759.70	102.14	1,050.49	1,005.56	44.93	23.383		
9,525.00	9,404.35	9,427.16	9,434.04	20.66	24.66	-101.22	-759.53	101.84	1,058.78	1,013.78	45.01	23.525		
9,550.00	9,413.82	9,435.64	9,442.52	20.79	24.68	-100.53	-759.40	101.57	1,067.75	1,022.66	45.09	23.683		
9,575.00	9,422.06	9,443.13	9,450.00	20.95	24.70	-99.70	-759.30	101.33	1,077.37	1,032.20	45.16	23.856		
9,600.00	9,429.06	9,449.60	9,456.47	21.11	24.71	-98.72	-759.22	101.12	1,087.62	1,042.39	45.23	24.045		
9,625.00	9,434.79	9,455.04	9,461.90	21.29	24.72	-97.59	-759.16	100.94	1,098.49	1,053.18	45.30	24.248		
9,650.00	9,439.24	9,459.42	9,466.28	21.48	24.73	-96.30	-759.11	100.80	1,109.94	1,064.57	45.36	24.467		
9,675.00	9,442.40	9,462.74	9,469.60	21.68	24.74	-94.86	-759.08	100.69	1,121.93	1,076.51	45.42	24.701		
9,700.00	9,444.25	9,464.97	9,471.83	21.89	24.75	-93.26	-759.07	100.61	1,134.45	1,088.97	45.47	24.948		
9,725.00	9,444.80	9,466.12	9,472.98	22.12	24.75	-91.50	-759.06	100.58	1,147.42	1,101.91	45.51	25.210		
9,727.79	9,444.78	9,466.18	9,473.04	22.14	24.75	-91.30	-759.06	100.57	1,148.90	1,103.38	45.52	25.240		
9,800.00	9,444.05	9,467.57	9,474.43	22.87	24.75	-91.38	-759.05	100.53	1,188.73	1,143.10	45.63	26.052		
9,900.00	9,443.03	9,469.51	9,476.36	24.04	24.76	-91.50	-759.03	100.46	1,248.70	1,202.93	45.77	27.282		
10,000.00	9,442.02	9,471.46	9,478.31	25.38	24.76	-91.61	-759.02	100.40	1,313.54	1,267.65	45.90	28.620		
10,100.00	9,441.01	9,473.42	9,480.27	26.86	24.77	-91.72	-759.00	100.33	1,382.58	1,336.58	46.00	30.053		
10,200.00	9,440.00	9,475.40	9,482.25	28.45	24.77	-91.84	-758.99	100.27	1,455.22	1,409.12	46.10	31.568		
10,300.00	9,438.98	9,477.38	9,484.23	30.13	24.78	-91.96	-758.98	100.20	1,530.94	1,484.77	46.18	33.153		
10,400.00	9,437.97	9,479.39	9,486.23	31.90	24.78	-92.08	-758.97	100.13	1,609.32	1,563.07	46.25	34.798		
10,500.00	9,436.96	9,481.40	9,488.25	33.72	24.78	-92.19	-758.96	100.06	1,689.97	1,643.66	46.31	36.493		
10,600.00	9,435.95	9,483.43	9,490.28	35.60	24.79	-92.31	-758.95	100.00	1,772.60	1,726.23	46.36	38.233		
10,700.00	9,434.94	12,308.29	11,039.82	37.53	43.05	-150.24	-725.34	-1,487.13	1,848.69	1,785.81	62.88	29.401		
10,800.00	9,433.92	12,430.69	11,038.60	39.50	45.28	-150.25	-726.78	-1,609.51	1,848.57	1,783.60	64.97	28.453		
10,900.00	9,432.91	12,527.92	11,037.49	41.50	47.10	-150.29	-726.72	-1,706.73	1,847.71	1,780.78	66.93	27.606		
11,000.00	9,431.90	12,627.04	11,036.93	43.53	48.99	-150.33	-726.93	-1,805.86	1,847.50	1,778.55	68.95	26.796		
11,100.00	9,430.89	12,732.24	11,035.80	45.58	51.02	-150.37	-726.84	-1,911.04	1,846.68	1,775.64	71.04	25.997		
11,200.00	9,429.87	12,828.58	11,034.32	47.65	52.91	-150.37	-727.86	-2,007.37	1,846.03	1,772.90	73.13	25.245		
11,268.77	9,429.18	12,886.85	11,033.43	49.09	54.07	-150.37	-728.74	-2,065.62	1,845.76	1,771.24	74.53	24.766		
11,300.00	9,428.86	12,910.42	11,033.13	49.75	54.54	-150.36	-729.29	-2,089.19	1,845.83	1,770.68	75.15	24.563		
11,400.00	9,427.85	12,988.63	11,032.43	51.86	56.11	-150.32	-731.94	-2,167.35	1,846.87	1,769.69	77.18	23.930		
11,500.00	9,426.84	13,070.21	11,032.14	53.98	57.76	-150.26	-735.62	-2,248.84	1,848.97	1,769.69	79.28	23.323		
11,600.00	9,425.82	13,153.59	11,032.42	56.12	59.45	-150.19	-740.02	-2,332.11	1,852.04	1,770.62	81.42	22.747		
11,700.00	9,424.81	13,270.87	11,033.25	58.27	61.85	-150.09	-746.60	-2,449.20	1,855.71	1,771.76	83.95	22.104		
11,800.00	9,423.80	13,420.13	11,032.10	60.42	64.96	-150.06	-750.29	-2,598.40	1,856.18	1,769.42	86.76	21.395		
11,900.00	9,422.79	13,589.31	11,028.01	62.59	68.52	-150.13	-748.61	-2,767.51	1,853.43	1,763.83	89.60	20.686		
12,000.00	9,421.77	13,682.45	11,024.63	64.77	70.49	-150.17	-747.16	-2,860.57	1,849.67	1,757.84	91.83	20.142		
12,100.00	9,420.76	13,765.99	11,021.69	66.95	72.26	-150.17	-746.91	-2,944.06	1,846.63	1,752.59	94.03	19.638		
12,200.00	9,419.75	13,858.55	11,018.73	69.14	74.23	-150.16	-747.57	-3,036.58	1,844.36	1,748.01	96.35	19.142		
12,300.00	9,418.74	13,966.67	11,014.98	71.34	76.54	-150.13	-748.73	-3,144.62	1,842.05	1,743.21	98.85	18.635		

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 504H - OH / 67811 - Surveys (H&P 653)												Offset Site Error:	0.00 usft
Survey Program: 312-MWD+HRGM												Offset Well Error:	1.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
12,400.00	9,417.73	14,060.03	11,011.72	73.54	78.54	-150.11	-749.38	-3,237.92	1,839.54	1,738.33	101.21	18.175	
12,500.00	9,416.71	14,137.33	11,010.58	75.74	80.21	-150.16	-748.44	-3,315.20	1,837.84	1,734.50	103.34	17.784	
12,588.46	9,415.82	14,207.17	11,010.94	77.70	81.72	-150.25	-746.98	-3,385.03	1,837.45	1,732.28	105.17	17.472	
12,600.00	9,415.70	14,216.91	11,011.04	77.95	81.93	-150.26	-746.80	-3,394.76	1,837.45	1,732.04	105.41	17.432	
12,700.00	9,414.69	14,371.69	11,010.59	80.17	85.29	-150.39	-744.92	-3,549.52	1,837.15	1,728.98	108.18	16.983	
12,800.00	9,413.68	14,471.84	11,007.38	82.39	87.47	-150.41	-744.33	-3,649.61	1,834.24	1,723.66	110.58	16.587	
12,900.00	9,412.66	14,547.00	11,005.02	84.61	89.11	-150.40	-744.87	-3,724.73	1,832.04	1,719.24	112.79	16.242	
13,000.00	9,411.65	14,640.00	11,002.60	86.84	91.14	-150.37	-746.56	-3,817.69	1,830.83	1,715.61	115.23	15.889	
13,100.00	9,410.64	14,724.83	11,000.53	89.07	92.99	-150.32	-748.90	-3,902.46	1,830.21	1,712.60	117.61	15.562	
13,200.00	9,409.63	14,835.89	10,997.85	91.30	95.42	-150.26	-751.84	-4,013.45	1,829.60	1,709.29	120.31	15.207	
13,300.00	9,408.61	14,921.00	10,996.68	93.53	97.29	-150.27	-752.32	-4,098.54	1,828.88	1,706.29	122.60	14.918	
13,332.75	9,408.28	14,951.67	10,996.57	94.27	97.97	-150.29	-752.23	-4,129.21	1,828.79	1,705.44	123.35	14.826	
13,400.00	9,407.60	15,001.87	10,996.70	95.77	99.08	-150.32	-752.31	-4,179.41	1,829.11	1,704.34	124.77	14.660	
13,500.00	9,406.59	15,092.36	10,997.49	98.01	101.07	-150.36	-752.94	-4,269.89	1,830.37	1,703.32	127.05	14.407	
13,600.00	9,405.58	15,184.41	10,998.46	100.25	103.10	-150.40	-754.01	-4,361.94	1,832.03	1,702.67	129.36	14.162	
13,700.00	9,404.57	15,267.43	10,999.57	102.49	104.93	-150.42	-755.64	-4,444.93	1,834.34	1,702.74	131.59	13.939	
13,800.00	9,403.55	15,357.95	11,001.21	104.74	106.93	-150.42	-758.24	-4,535.40	1,837.49	1,703.54	133.95	13.718	
13,900.00	9,402.54	15,510.42	11,002.19	106.99	110.31	-150.43	-761.53	-4,687.82	1,839.24	1,702.13	137.11	13.415	
14,000.00	9,401.53	15,619.10	11,001.88	109.24	112.72	-150.43	-763.49	-4,796.48	1,840.09	1,700.37	139.72	13.170	
14,100.00	9,400.52	15,782.95	10,996.55	111.49	116.36	-150.39	-765.20	-4,960.23	1,837.69	1,694.68	143.01	12.850	
14,200.00	9,399.50	15,872.61	10,992.68	113.74	118.35	-150.36	-765.93	-5,049.80	1,834.50	1,689.00	145.50	12.608	
14,300.00	9,398.49	15,962.43	10,989.04	115.99	120.35	-150.32	-767.18	-5,139.53	1,831.83	1,683.80	148.03	12.375	
14,400.00	9,397.48	16,044.33	10,986.94	118.24	122.17	-150.32	-767.49	-5,221.41	1,829.97	1,679.60	150.37	12.170	
14,500.00	9,396.47	16,145.36	10,985.38	120.50	124.43	-150.37	-767.10	-5,322.42	1,828.60	1,675.79	152.81	11.967	
14,600.00	9,395.45	16,263.51	10,982.48	122.76	127.07	-150.38	-767.15	-5,440.53	1,826.65	1,671.16	155.49	11.748	
14,700.00	9,394.44	16,343.00	10,979.72	125.01	128.84	-150.37	-767.74	-5,519.97	1,824.29	1,666.44	157.85	11.557	
14,723.69	9,394.20	16,343.00	10,979.72	125.55	128.84	-150.37	-767.74	-5,519.97	1,824.14	1,665.96	158.18	11.532	
14,800.00	9,393.43	16,343.00	10,979.72	127.27	128.84	-150.37	-767.74	-5,519.97	1,825.73	1,666.67	159.06	11.478	
14,811.79	9,393.31	16,343.00	10,979.72	127.54	128.84	-150.37	-767.74	-5,519.97	1,826.26	1,667.08	159.18	11.473 SF	



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 506H - OH / 67812 - Surveys (H&P 653)													Offset Site Error: 0.00 usft
Survey Program: 220-MWD+HRGM													Offset Well Error: 1.00 usft
Rule Assigned:													Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	6.56	0.06	1.00	1.00	47.41	91.00	99.00	134.47				
100.00	100.00	107.41	100.91	1.09	1.25	47.52	90.57	98.90	134.11	131.77	2.33	57.469	
200.00	200.00	208.25	201.74	1.60	1.76	47.82	89.37	98.64	133.11	129.75	3.36	39.622	
300.00	300.00	307.89	301.37	2.01	2.58	48.23	87.85	98.36	131.89	127.31	4.58	28.811	
400.00	400.00	407.39	400.86	2.35	3.48	48.62	86.62	98.32	131.04	125.23	5.81	22.559	
500.00	500.00	507.61	501.08	2.65	4.08	49.10	85.30	98.49	130.30	123.62	6.68	19.507	
600.00	600.00	607.66	601.11	2.93	4.66	49.80	83.53	98.83	129.41	121.90	7.51	17.242	
700.00	700.00	706.85	700.28	3.18	5.13	50.59	81.81	99.57	128.87	120.67	8.20	15.721	
733.14	733.14	739.72	733.14	3.26	5.29	50.86	81.31	99.93	128.83	120.42	8.42	15.308	
800.00	800.00	805.93	799.34	3.41	5.55	51.40	80.47	100.81	128.99	120.19	8.80	14.656	
900.00	900.00	904.77	898.17	3.64	5.80	51.84	80.28	102.17	129.95	120.70	9.25	14.051	
1,000.00	1,000.00	1,004.75	998.14	3.85	6.00	51.96	81.03	103.55	131.50	121.86	9.64	13.641	
1,100.00	1,100.00	1,105.15	1,098.53	4.05	6.25	52.28	81.20	104.99	132.74	122.67	10.07	13.179	
1,200.00	1,200.00	1,205.44	1,198.81	4.24	6.58	52.66	81.12	106.32	133.74	123.17	10.56	12.661	
1,300.00	1,300.00	1,305.84	1,299.20	4.43	6.94	53.09	80.77	107.54	134.49	123.43	11.07	12.155	
1,400.00	1,400.00	1,406.30	1,399.65	4.61	7.32	53.74	79.80	108.79	134.92	123.35	11.57	11.660	
1,500.00	1,500.00	1,506.45	1,499.78	4.78	7.70	54.60	78.27	110.12	135.11	123.04	12.07	11.197	
1,600.00	1,600.00	1,606.49	1,599.79	4.95	8.09	55.63	76.37	111.64	135.26	122.71	12.55	10.774	
1,700.00	1,700.00	1,705.73	1,699.01	5.12	8.34	56.49	74.89	113.13	135.67	122.73	12.94	10.481	
1,800.00	1,800.00	1,804.90	1,798.16	5.28	8.58	56.71	75.03	114.27	136.71	123.39	13.32	10.265	
1,900.00	1,900.00	1,904.87	1,898.13	5.44	8.84	56.60	75.99	115.25	138.07	124.30	13.77	10.028	
2,000.00	2,000.00	2,004.77	1,998.02	5.59	9.10	56.51	76.93	116.27	139.43	125.22	14.21	9.809	
2,100.00	2,100.00	2,104.10	2,097.33	5.75	9.38	56.55	77.75	117.69	141.08	126.43	14.65	9.630	
2,200.00	2,200.00	2,203.60	2,196.81	5.89	9.68	56.76	78.46	119.74	143.19	128.10	15.10	9.486	
2,300.00	2,300.00	2,303.78	2,296.96	6.04	10.09	56.51	80.19	121.19	145.35	129.78	15.57	9.336	
2,400.00	2,400.00	2,403.92	2,397.05	6.19	10.50	55.57	83.32	121.54	147.39	131.33	16.06	9.177	
2,500.00	2,500.00	2,504.08	2,497.16	6.33	10.93	54.55	86.61	121.63	149.34	132.73	16.61	8.992	
2,600.00	2,600.00	2,604.45	2,597.48	6.47	11.23	53.59	89.70	121.64	151.16	134.10	17.06	8.861	
2,700.00	2,700.00	2,705.03	2,698.02	6.61	11.41	52.60	92.69	121.26	152.64	135.23	17.41	8.767	
2,800.00	2,800.00	2,805.70	2,798.65	6.74	11.57	51.58	95.53	120.45	153.74	136.00	17.75	8.663	
2,900.00	2,900.00	2,906.45	2,899.35	6.88	11.72	50.59	98.02	119.29	154.39	136.32	18.07	8.544	
3,000.00	3,000.00	3,006.67	2,999.54	7.01	11.87	49.66	100.15	117.92	154.71	136.32	18.39	8.413	
3,100.00	3,100.00	3,106.73	3,099.57	7.14	12.01	48.81	102.07	116.65	155.00	136.30	18.70	8.289	
3,200.00	3,200.00	3,207.05	3,199.88	7.27	12.15	48.16	103.52	115.61	155.19	136.19	18.99	8.170	
3,300.00	3,300.00	3,307.43	3,300.26	7.40	12.30	47.84	104.13	115.01	155.14	135.85	19.29	8.042	
3,400.00	3,400.00	3,407.80	3,400.62	7.52	12.49	47.93	103.75	114.96	154.86	135.27	19.58	7.908	
3,500.00	3,500.00	3,507.89	3,500.71	7.65	12.70	48.47	102.33	115.56	154.36	134.45	19.90	7.755	
3,563.52	3,563.52	3,570.72	3,563.52	7.73	12.86	48.81	101.56	116.04	154.21	134.04	20.18	7.644	
3,600.00	3,600.00	3,606.80	3,599.60	7.77	12.95	48.93	101.34	116.30	154.26	133.92	20.34	7.586	
3,700.00	3,700.00	3,705.92	3,698.72	7.90	13.19	49.04	101.51	116.93	154.85	134.10	20.75	7.464	
3,800.00	3,800.00	3,805.56	3,798.36	8.02	13.35	48.79	102.63	117.20	155.79	134.74	21.05	7.401	
3,900.00	3,900.00	3,905.25	3,898.03	8.14	13.52	48.22	104.57	117.04	156.96	135.61	21.35	7.351	
4,000.00	4,000.00	4,005.03	3,997.77	8.26	13.69	47.48	106.97	116.65	158.29	136.63	21.66	7.308	
4,100.00	4,099.98	4,103.42	4,096.12	8.49	13.87	57.60	109.92	116.21	159.06	137.02	22.04	7.216	
4,150.20	4,150.13	4,152.16	4,144.82	8.57	13.96	57.69	112.00	116.20	159.34	137.11	22.23	7.169	
4,200.00	4,199.86	4,200.51	4,193.10	8.62	14.06	57.84	114.52	116.35	159.83	137.44	22.39	7.137	
4,300.00	4,299.73	4,299.53	4,291.92	8.75	14.27	57.94	120.75	117.05	161.82	139.03	22.79	7.099	
4,400.00	4,399.59	4,399.89	4,392.08	8.90	14.52	58.03	127.03	117.70	163.75	140.52	23.22	7.051	
4,500.00	4,499.45	4,500.45	4,492.46	9.06	14.75	58.13	133.11	118.17	165.40	141.80	23.60	7.009	
4,600.00	4,599.31	4,601.09	4,592.93	9.23	14.97	58.24	138.92	118.36	166.67	142.71	23.96	6.957	
4,700.00	4,699.18	4,701.84	4,693.53	9.41	15.18	58.44	144.27	118.41	167.52	143.21	24.31	6.890	
4,800.00	4,799.04	4,802.60	4,794.19	9.60	15.40	58.83	148.88	118.52	167.92	143.25	24.67	6.807	

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 506H - OH / 67812 - Surveys (H&P 653)													Offset Site Error: 0.00 usft
Survey Program: 220-MWD+HRGM													Offset Well Error: 1.00 usft
Rule Assigned:													
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
4,900.00	4,998.90	4,903.44	4,894.94	9.80	15.62	59.28	153.05	118.37	167.85	142.84	25.01	6.710	
5,000.00	4,998.76	5,004.22	4,995.64	10.01	15.83	59.65	157.04	117.70	167.29	141.93	25.35	6.598	
5,100.00	5,098.63	5,104.67	5,096.02	10.22	16.03	60.01	160.83	116.71	166.37	140.69	25.68	6.479	
5,200.00	5,198.49	5,205.17	5,196.45	10.44	16.24	60.37	164.43	115.52	165.18	139.18	26.00	6.354	
5,300.00	5,298.35	5,305.79	5,297.00	10.67	16.43	60.73	167.82	114.04	163.63	137.33	26.30	6.222	
5,400.00	5,398.21	5,405.91	5,397.05	10.90	16.63	61.10	171.00	112.31	161.77	135.17	26.60	6.082	
5,500.00	5,498.08	5,505.44	5,496.52	11.14	16.84	61.50	174.19	110.78	160.10	133.20	26.90	5.952	
5,600.00	5,597.94	5,604.66	5,595.68	11.39	17.05	61.94	177.54	109.57	158.77	131.57	27.20	5.837	
5,700.00	5,697.80	5,703.66	5,694.59	11.64	17.28	62.31	181.38	108.70	158.05	130.54	27.51	5.745	
5,800.00	5,797.66	5,803.25	5,794.09	11.89	17.47	62.69	185.57	108.22	157.84	130.06	27.78	5.681	
5,900.00	5,897.53	5,904.34	5,895.11	12.15	17.67	63.18	189.47	107.77	157.45	129.41	28.04	5.614	
6,000.00	5,997.39	6,005.84	5,996.53	12.41	17.88	63.52	193.16	106.31	156.15	127.83	28.32	5.514	
6,100.00	6,097.25	6,106.51	6,097.11	12.68	18.09	63.70	196.73	103.99	154.11	125.51	28.59	5.390	
6,200.00	6,197.11	6,207.06	6,197.55	12.95	18.31	63.71	200.44	101.09	151.69	122.81	28.88	5.252	
6,300.00	6,296.98	6,307.62	6,298.00	13.22	18.51	63.67	203.99	97.82	148.87	119.73	29.15	5.108	
6,400.00	6,396.84	6,407.79	6,398.05	13.50	18.72	63.73	207.13	94.38	145.68	116.27	29.42	4.953	
6,500.00	6,496.70	6,506.05	6,496.22	13.78	18.94	63.89	210.35	91.67	143.12	113.43	29.69	4.821	
6,600.00	6,596.56	6,604.61	6,594.70	14.06	19.17	64.20	214.00	90.07	141.72	111.76	29.96	4.730	
6,700.00	6,696.43	6,703.90	6,693.93	14.35	19.43	64.83	217.45	89.45	141.00	110.76	30.23	4.663	
6,800.00	6,796.29	6,803.46	6,793.44	14.64	19.68	65.82	220.45	89.72	140.77	110.28	30.49	4.618	
6,900.00	6,896.15	6,903.47	6,893.41	14.93	19.95	66.99	223.16	90.28	140.65	109.92	30.73	4.577	
7,000.00	6,996.02	7,003.49	6,993.40	15.22	20.21	68.27	225.62	90.97	140.57	109.61	30.95	4.541	
7,100.00	7,095.88	7,103.53	7,093.41	15.51	20.47	69.57	228.03	91.61	140.49	109.32	31.17	4.507	
7,200.00	7,195.74	7,203.80	7,193.65	15.81	20.73	70.89	230.34	92.17	140.37	108.99	31.37	4.474	
7,300.00	7,295.60	7,304.17	7,294.01	16.11	20.99	72.34	232.23	92.63	140.02	108.47	31.56	4.437	
7,400.00	7,395.47	7,404.18	7,394.01	16.41	21.24	73.88	233.85	92.99	139.56	107.84	31.72	4.400	
7,500.00	7,495.33	7,504.09	7,493.90	16.71	21.49	75.37	235.58	93.31	139.21	107.33	31.88	4.367	
7,600.00	7,595.19	7,604.25	7,594.04	17.02	21.74	76.89	237.26	93.57	138.89	106.86	32.02	4.337	
7,700.00	7,695.05	7,704.41	7,694.19	17.32	21.98	78.52	238.62	93.79	138.50	106.34	32.16	4.307	
7,800.00	7,794.92	7,804.59	7,794.37	17.63	22.22	80.22	239.79	93.88	138.04	105.77	32.27	4.278	
7,900.00	7,894.78	7,904.82	7,894.59	17.94	22.45	81.94	240.89	93.79	137.50	105.12	32.38	4.247	
8,000.00	7,994.64	8,005.23	7,995.00	18.25	22.66	83.63	242.00	93.37	136.79	104.31	32.48	4.212	
8,100.00	8,094.50	8,105.60	8,095.35	18.56	22.88	85.26	243.16	92.56	135.82	103.24	32.58	4.169	
8,137.75	8,132.20	8,143.45	8,133.20	18.66	22.95	85.87	243.61	92.18	135.41	102.81	32.61	4.153	
8,200.00	8,194.40	8,205.87	8,195.61	18.84	23.08	86.56	244.39	91.45	134.73	102.06	32.67	4.123	
8,287.95	8,282.34	8,293.95	8,283.67	19.05	23.26	87.01	245.54	90.27	133.78	100.94	32.84	4.073	
8,300.00	8,294.38	8,305.97	8,295.69	19.05	23.28	75.93	245.71	90.10	133.66	100.79	32.87	4.067	
8,400.00	8,394.38	8,405.77	8,395.48	19.11	23.49	75.19	247.15	88.80	132.76	99.66	33.10	4.011	
8,500.00	8,494.38	8,506.28	8,495.96	19.18	23.71	74.31	248.87	87.40	131.87	98.52	33.35	3.954	
8,600.00	8,594.38	8,607.29	8,596.90	19.24	23.94	72.92	251.46	84.99	130.29	96.65	33.65	3.872	
8,700.00	8,694.38	8,708.31	8,697.81	19.31	24.15	71.10	254.66	81.51	128.00	94.04	33.96	3.769	
8,800.00	8,794.38	8,809.34	8,798.71	19.38	24.37	69.25	257.44	77.21	124.93	90.60	34.32	3.640	
8,900.00	8,894.38	8,909.38	8,898.61	19.45	24.56	67.44	259.76	72.49	121.39	86.72	34.67	3.501	
8,972.95	8,967.34	8,982.24	8,971.38	19.49	24.69	66.16	261.22	69.14	118.88	83.97	34.91	3.405	
8,975.00	8,969.38	8,984.28	8,973.42	19.49	24.69	156.96	261.26	69.04	118.81	83.90	34.91	3.403	
8,990.55	8,984.93	8,999.83	8,988.95	19.49	24.72	156.77	261.55	68.34	118.58	83.64	34.94	3.394 CC, ES, SF	
9,000.00	8,994.37	9,009.27	8,998.38	19.50	24.74	156.69	261.72	67.91	118.67	83.71	34.95	3.395	
9,025.00	9,019.28	9,034.19	9,023.27	19.51	24.79	156.62	262.16	66.80	119.73	84.74	34.98	3.423	
9,050.00	9,044.05	9,059.02	9,048.07	19.53	24.83	156.73	262.61	65.70	122.00	87.01	34.99	3.487	
9,075.00	9,068.61	9,083.69	9,072.71	19.55	24.88	157.01	263.06	64.61	125.48	90.51	34.97	3.588	
9,100.00	9,092.89	9,108.13	9,097.13	19.58	24.92	157.44	263.52	63.55	130.18	95.24	34.94	3.726	
9,125.00	9,116.83	9,132.28	9,121.26	19.60	24.97	157.97	263.97	62.51	136.09	101.19	34.90	3.899	

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 506H - OH / 67812 - Surveys (H&P 653)													Offset Site Error: 0.00 usft
Survey Program: 220-MWD+HRGM													Offset Well Error: 1.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,150.00	9,140.35	9,156.07	9,145.02	19.63	25.01	158.57	264.43	61.50	143.22	108.36	34.86	4.108	
9,175.00	9,163.41	9,179.43	9,168.35	19.66	25.06	159.21	264.88	60.51	151.55	116.72	34.83	4.351	
9,200.00	9,185.92	9,202.31	9,191.20	19.69	25.10	159.87	265.34	59.56	161.09	126.28	34.81	4.628	
9,225.00	9,207.84	9,224.72	9,213.60	19.73	25.14	160.51	265.77	58.63	171.80	137.00	34.80	4.937	
9,250.00	9,229.10	9,246.52	9,235.37	19.77	25.18	161.12	266.17	57.72	183.66	148.85	34.81	5.277	
9,275.00	9,249.64	9,267.65	9,256.48	19.82	25.22	161.69	266.54	56.85	196.65	161.82	34.83	5.646	
9,300.00	9,269.40	9,288.04	9,276.85	19.87	25.26	162.18	266.88	56.01	210.74	175.88	34.86	6.045	
9,325.00	9,288.34	9,307.65	9,296.44	19.92	25.29	162.61	267.19	55.21	225.89	190.99	34.90	6.472	
9,350.00	9,306.40	9,326.41	9,315.18	19.99	25.33	162.94	267.48	54.44	242.07	207.11	34.96	6.925	
9,375.00	9,323.53	9,344.27	9,333.03	20.06	25.36	163.18	267.73	53.72	259.23	224.21	35.02	7.403	
9,400.00	9,339.68	9,361.19	9,349.93	20.13	25.39	163.32	267.96	53.03	277.31	242.23	35.08	7.904	
9,425.00	9,354.81	9,377.12	9,365.85	20.22	25.42	163.33	268.17	52.38	296.29	261.13	35.15	8.428	
9,450.00	9,368.88	9,391.92	9,380.63	20.31	25.45	163.20	268.35	51.79	316.09	280.86	35.22	8.974	
9,475.00	9,381.85	9,405.38	9,394.08	20.41	25.47	162.89	268.51	51.25	336.67	301.37	35.30	9.538	
9,500.00	9,393.69	9,417.70	9,406.39	20.53	25.49	162.39	268.64	50.78	357.98	322.61	35.37	10.122	
9,525.00	9,404.35	9,428.87	9,417.55	20.66	25.50	161.64	268.76	50.37	379.96	344.52	35.44	10.722	
9,550.00	9,413.82	9,438.85	9,427.53	20.79	25.52	160.57	268.85	50.00	402.53	367.03	35.50	11.338	
9,575.00	9,422.06	9,447.63	9,436.30	20.95	25.53	159.05	268.93	49.69	425.63	390.07	35.56	11.968	
9,600.00	9,429.06	9,455.18	9,443.85	21.11	25.54	156.90	269.00	49.43	449.19	413.58	35.62	12.611	
9,625.00	9,434.79	9,461.50	9,450.16	21.29	25.55	153.77	269.05	49.21	473.15	437.48	35.67	13.265	
9,650.00	9,439.24	9,466.57	9,455.23	21.48	25.56	149.04	269.09	49.04	497.44	461.72	35.72	13.928	
9,675.00	9,442.40	9,470.38	9,459.04	21.68	25.57	141.46	269.12	48.92	521.98	486.23	35.75	14.599	
9,700.00	9,444.25	9,472.94	9,461.60	21.89	25.57	128.49	269.14	48.83	546.71	510.92	35.79	15.276	
9,725.00	9,444.80	9,474.24	9,462.90	22.12	25.57	105.99	269.15	48.79	571.55	535.73	35.81	15.958	
9,727.79	9,444.78	9,474.31	9,462.97	22.14	25.57	102.78	269.15	48.79	574.32	538.50	35.82	16.034	
9,800.00	9,444.05	9,475.85	9,464.50	22.87	25.57	104.30	269.17	48.74	646.23	610.35	35.88	18.012	
9,900.00	9,443.03	9,477.95	9,466.60	24.04	25.58	106.34	269.18	48.67	745.89	709.94	35.95	20.748	
10,000.00	9,442.02	9,480.01	9,468.66	25.38	25.58	108.31	269.20	48.60	845.63	809.62	36.01	23.480	
10,100.00	9,441.01	9,482.04	9,470.69	26.86	25.58	110.20	269.21	48.54	945.42	909.35	36.07	26.208	
10,200.00	9,440.00	9,484.04	9,472.69	28.45	25.59	112.01	269.22	48.47	1,045.25	1,009.12	36.13	28.932	
10,300.00	9,438.98	9,486.01	9,474.65	30.13	25.59	113.75	269.24	48.41	1,145.10	1,108.92	36.18	31.651	
10,400.00	9,437.97	9,487.94	9,476.59	31.90	25.59	115.42	269.25	48.35	1,244.97	1,208.74	36.23	34.363	
10,500.00	9,436.96	9,489.84	9,478.49	33.72	25.60	117.01	269.26	48.29	1,344.86	1,308.58	36.28	37.070	
10,600.00	9,435.95	9,491.71	9,480.36	35.60	25.60	118.54	269.28	48.23	1,444.76	1,408.43	36.33	39.770	
10,700.00	9,434.94	9,493.56	9,482.20	37.53	25.60	120.00	269.29	48.18	1,544.67	1,508.30	36.38	42.462	
10,800.00	9,433.92	12,583.82	11,034.19	39.50	46.65	176.74	281.37	-1,641.45	1,603.53	1,546.64	56.89	28.188	
10,900.00	9,432.91	12,686.69	11,031.03	41.50	48.57	176.70	280.92	-1,744.27	1,601.53	1,543.89	57.64	27.784	
11,000.00	9,431.90	12,778.47	11,028.39	43.53	50.32	176.65	280.84	-1,836.01	1,599.75	1,541.31	58.44	27.376	
11,100.00	9,430.89	12,866.00	11,026.06	45.58	52.01	176.60	280.92	-1,923.51	1,598.25	1,538.99	59.26	26.970	
11,161.15	9,430.27	12,914.94	11,025.14	46.85	52.97	176.57	281.01	-1,972.45	1,597.82	1,538.03	59.79	26.725	
11,200.00	9,429.87	12,940.74	11,024.96	47.65	53.47	176.55	281.12	-1,998.24	1,597.98	1,537.86	60.12	26.580	
11,300.00	9,428.86	13,036.38	11,025.03	49.75	55.37	176.48	281.76	-2,093.88	1,599.19	1,538.18	61.01	26.213	
11,400.00	9,427.85	13,146.00	11,024.02	51.86	57.56	176.37	283.33	-2,203.48	1,599.40	1,537.48	61.92	25.830	
11,500.00	9,426.84	13,240.00	11,023.59	53.98	59.46	176.27	284.79	-2,297.46	1,600.15	1,537.28	62.87	25.450	
11,600.00	9,425.82	13,315.44	11,024.50	56.12	61.00	176.22	285.10	-2,372.90	1,602.31	1,538.49	63.82	25.107	
11,700.00	9,424.81	13,420.92	11,025.76	58.27	63.17	176.18	284.85	-2,478.37	1,604.60	1,539.78	64.81	24.757	
11,800.00	9,423.80	13,531.07	11,026.43	60.42	65.45	176.14	284.62	-2,588.51	1,606.28	1,540.45	65.84	24.398	
11,900.00	9,422.79	13,623.05	11,027.01	62.59	67.37	176.12	284.04	-2,680.49	1,607.98	1,541.12	66.86	24.051	
12,000.00	9,421.77	13,721.37	11,028.02	64.77	69.43	176.17	281.34	-2,778.77	1,609.93	1,542.02	67.91	23.706	
12,100.00	9,420.76	13,847.54	11,029.47	66.95	72.09	176.32	275.35	-2,904.78	1,612.06	1,543.00	69.06	23.342	
12,200.00	9,419.75	14,038.91	11,021.81	69.14	76.12	176.61	264.25	-3,095.64	1,608.03	1,537.67	70.36	22.853	
12,300.00	9,418.74	14,122.78	11,016.88	71.34	77.92	176.67	261.14	-3,179.30	1,603.08	1,531.59	71.49	22.425	

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 506H - OH / 67812 - Surveys (H&P 653)												Offset Site Error:	0.00 usft
Survey Program:		220-MWD+HRGM				Rule Assigned:						Offset Well Error:	1.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		Separation Factor
12,400.00	9,417.73	14,197.22	11,013.59	73.54	79.52	176.65	260.22	-3,253.66	1,599.67	1,527.08	72.59	22.036	
12,500.00	9,416.71	14,270.00	11,011.27	75.74	81.09	176.62	259.92	-3,326.41	1,597.64	1,523.94	73.70	21.678	
12,600.00	9,415.70	14,364.00	11,009.60	77.95	83.11	176.60	259.28	-3,420.39	1,596.92	1,522.07	74.85	21.336	
12,634.52	9,415.35	14,388.49	11,009.37	78.72	83.64	176.59	259.02	-3,444.88	1,596.92	1,521.69	75.23	21.227	
12,700.00	9,414.69	14,458.59	11,008.58	80.17	85.15	176.58	258.28	-3,514.96	1,596.85	1,520.84	76.01	21.008	
12,800.00	9,413.68	14,551.00	11,007.47	82.39	87.16	176.57	257.23	-3,607.37	1,596.70	1,519.52	77.18	20.688	
12,804.77	9,413.63	14,559.18	11,007.39	82.50	87.33	176.57	257.12	-3,615.54	1,596.69	1,519.45	77.25	20.670	
12,900.00	9,412.66	14,644.00	11,007.04	84.61	89.17	176.59	255.39	-3,700.35	1,597.21	1,518.85	78.36	20.382	
13,000.00	9,411.65	14,733.52	11,007.31	86.84	91.12	176.64	252.81	-3,789.83	1,598.41	1,518.87	79.55	20.094	
13,100.00	9,410.64	14,922.05	11,000.96	89.07	95.23	176.69	248.44	-3,978.17	1,595.16	1,514.13	81.04	19.685	
13,200.00	9,409.63	14,995.10	10,997.73	91.30	96.82	176.69	247.29	-4,051.13	1,591.76	1,509.52	82.24	19.356	
13,300.00	9,408.61	15,082.07	10,995.16	93.53	98.73	176.69	246.03	-4,138.06	1,589.79	1,506.33	83.46	19.048	
13,388.23	9,407.72	15,143.08	10,993.77	95.51	100.07	176.67	245.49	-4,199.05	1,588.81	1,504.30	84.51	18.800	
13,400.00	9,407.60	15,149.47	10,993.71	95.77	100.21	176.67	245.43	-4,205.43	1,588.83	1,504.18	84.64	18.771	
13,500.00	9,406.59	15,206.00	10,994.18	98.01	101.45	176.67	244.70	-4,261.96	1,590.61	1,504.85	85.76	18.547	
13,600.00	9,405.58	15,282.38	10,996.46	100.25	103.13	176.70	242.92	-4,338.28	1,594.52	1,507.57	86.95	18.338	
13,700.00	9,404.57	15,389.75	11,000.34	102.49	105.49	176.79	239.12	-4,445.51	1,599.03	1,510.75	88.28	18.114	
13,800.00	9,403.55	15,542.61	11,002.58	104.74	108.86	176.94	232.92	-4,598.23	1,601.31	1,511.50	89.81	17.830	
13,900.00	9,402.54	15,667.11	11,001.38	106.99	111.60	177.05	228.10	-4,722.63	1,601.21	1,510.01	91.20	17.557	
14,000.00	9,401.53	15,783.03	10,998.86	109.24	114.17	177.11	224.59	-4,838.46	1,599.96	1,507.40	92.56	17.285	
14,100.00	9,400.52	15,884.78	10,995.78	111.49	116.42	177.15	222.05	-4,940.14	1,597.89	1,504.00	93.89	17.019	
14,200.00	9,399.50	15,955.00	10,994.34	113.74	117.98	177.15	220.94	-5,010.33	1,596.88	1,501.77	95.11	16.789	
14,215.01	9,399.35	15,970.28	10,994.16	114.08	118.32	177.15	220.76	-5,025.61	1,596.87	1,501.55	95.32	16.754	
14,300.00	9,398.49	16,038.11	10,993.85	115.99	119.83	177.16	219.60	-5,093.43	1,597.32	1,500.94	96.38	16.573	
14,400.00	9,397.48	16,136.28	10,994.10	118.24	122.01	177.20	216.98	-5,191.56	1,598.52	1,500.81	97.71	16.360	
14,500.00	9,396.47	16,298.52	10,990.59	120.50	125.61	177.29	212.22	-5,353.68	1,597.02	1,497.71	99.30	16.082	
14,600.00	9,395.45	16,416.92	10,985.63	122.76	128.25	177.35	208.69	-5,471.92	1,593.77	1,493.07	100.70	15.826	
14,700.00	9,394.44	16,485.00	10,982.36	125.01	129.76	177.38	206.72	-5,539.90	1,590.24	1,488.27	101.97	15.595	
14,729.54	9,394.14	16,485.00	10,982.36	125.68	129.76	177.38	206.72	-5,539.90	1,589.96	1,487.70	102.26	15.548	
14,800.00	9,393.43	16,485.00	10,982.36	127.27	129.76	177.38	206.72	-5,539.90	1,591.53	1,488.68	102.84	15.475	
14,811.79	9,393.31	16,485.00	10,982.36	127.54	129.76	177.38	206.72	-5,539.90	1,592.09	1,489.17	102.92	15.469	

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 701H - OH - Plan 1 12-14-21													Offset Site Error:	0.00 usft	
Survey Program:		0-MWD+HRGM					Offset Wellbore Centre			Rule Assigned:				Offset Well Error:	1.00 usft
Reference	Offset	Reference	Offset	Semi Major Axis	Highside			Distance					Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
0.00	0.00	0.00	0.00	1.00	1.00	0.00	30.00	0.00	30.00						
100.00	100.00	100.00	100.00	1.09	1.09	0.00	30.00	0.00	30.00	27.83	2.17	13.820			
200.00	200.00	200.00	200.00	1.60	1.60	0.00	30.00	0.00	30.00	26.80	3.20	9.375			
300.00	300.00	300.00	300.00	2.01	2.01	0.00	30.00	0.00	30.00	25.98	4.02	7.460			
400.00	400.00	400.00	400.00	2.35	2.35	0.00	30.00	0.00	30.00	25.29	4.71	6.373			
500.00	500.00	500.00	500.00	2.65	2.65	0.00	30.00	0.00	30.00	24.69	5.31	5.650			
600.00	600.00	600.00	600.00	2.93	2.93	0.00	30.00	0.00	30.00	24.14	5.86	5.123			
700.00	700.00	700.00	700.00	3.18	3.18	0.00	30.00	0.00	30.00	23.64	6.36	4.718			
800.00	800.00	800.00	800.00	3.41	3.41	0.00	30.00	0.00	30.00	23.17	6.83	4.393			
900.00	900.00	900.00	900.00	3.64	3.64	0.00	30.00	0.00	30.00	22.73	7.27	4.125			
1,000.00	1,000.00	1,000.00	1,000.00	3.85	3.85	0.00	30.00	0.00	30.00	22.31	7.69	3.900			
1,100.00	1,100.00	1,100.00	1,100.00	4.05	4.05	0.00	30.00	0.00	30.00	21.90	8.10	3.706			
1,200.00	1,200.00	1,200.00	1,200.00	4.24	4.24	0.00	30.00	0.00	30.00	21.52	8.48	3.537			
1,300.00	1,300.00	1,300.00	1,300.00	4.43	4.43	0.00	30.00	0.00	30.00	21.14	8.86	3.388			
1,400.00	1,400.00	1,400.00	1,400.00	4.61	4.61	0.00	30.00	0.00	30.00	20.78	9.22	3.255			
1,500.00	1,500.00	1,500.00	1,500.00	4.78	4.78	0.00	30.00	0.00	30.00	20.43	9.57	3.136			
1,600.00	1,600.00	1,600.00	1,600.00	4.95	4.95	0.00	30.00	0.00	30.00	20.09	9.91	3.028			
1,700.00	1,700.00	1,700.00	1,700.00	5.12	5.12	0.00	30.00	0.00	30.00	19.76	10.24	2.930			
1,800.00	1,800.00	1,800.00	1,800.00	5.28	5.28	0.00	30.00	0.00	30.00	19.44	10.56	2.841			
1,900.00	1,900.00	1,900.00	1,900.00	5.44	5.44	0.00	30.00	0.00	30.00	19.12	10.88	2.758			
2,000.00	2,000.00	2,000.00	2,000.00	5.59	5.59	0.00	30.00	0.00	30.00	18.81	11.19	2.682			
2,100.00	2,100.00	2,100.00	2,100.00	5.75	5.75	0.00	30.00	0.00	30.00	18.51	11.49	2.611			
2,200.00	2,200.00	2,200.00	2,200.00	5.89	5.89	0.00	30.00	0.00	30.00	18.21	11.79	2.545			
2,300.00	2,300.00	2,300.00	2,300.00	6.04	6.04	0.00	30.00	0.00	30.00	17.92	12.08	2.483			
2,400.00	2,400.00	2,400.00	2,400.00	6.19	6.19	0.00	30.00	0.00	30.00	17.63	12.37	2.425			
2,500.00	2,500.00	2,500.00	2,500.00	6.33	6.33	0.00	30.00	0.00	30.00	17.35	12.65	2.371			
2,600.00	2,600.00	2,600.00	2,600.00	6.47	6.47	0.00	30.00	0.00	30.00	17.07	12.93	2.319			
2,700.00	2,700.00	2,700.00	2,700.00	6.61	6.61	0.00	30.00	0.00	30.00	16.79	13.21	2.271			
2,800.00	2,800.00	2,800.00	2,800.00	6.74	6.74	0.00	30.00	0.00	30.00	16.52	13.48	2.225			
2,900.00	2,900.00	2,900.00	2,900.00	6.88	6.88	0.00	30.00	0.00	30.00	16.25	13.75	2.182			
3,000.00	3,000.00	3,000.00	3,000.00	7.01	7.01	0.00	30.00	0.00	30.00	15.98	14.02	2.140			
3,100.00	3,100.00	3,100.00	3,100.00	7.14	7.14	0.00	30.00	0.00	30.00	15.72	14.28	2.101			
3,200.00	3,200.00	3,200.00	3,200.00	7.27	7.27	0.00	30.00	0.00	30.00	15.46	14.54	2.064			
3,300.00	3,300.00	3,300.00	3,300.00	7.40	7.40	0.00	30.00	0.00	30.00	15.21	14.79	2.028			
3,400.00	3,400.00	3,400.00	3,400.00	7.52	7.52	0.00	30.00	0.00	30.00	14.95	15.05	1.994			
3,500.00	3,500.00	3,500.00	3,500.00	7.65	7.65	0.00	30.00	0.00	30.00	14.70	15.30	1.961			
3,600.00	3,600.00	3,600.00	3,600.00	7.77	7.77	0.00	30.00	0.00	30.00	14.45	15.55	1.929			
3,700.00	3,700.00	3,700.00	3,700.00	7.90	7.90	0.00	30.00	0.00	30.00	14.20	15.80	1.899			
3,800.00	3,800.00	3,800.00	3,800.00	8.02	8.02	0.00	30.00	0.00	30.00	13.96	16.04	1.870			
3,900.00	3,900.00	3,900.00	3,900.00	8.14	8.14	0.00	30.00	0.00	30.00	13.72	16.28	1.842			
4,000.00	4,000.00	4,000.00	4,000.00	8.26	8.26	0.00	30.00	0.00	30.00	13.47	16.53	1.815 CC			
4,100.00	4,099.98	4,098.96	4,098.94	8.49	8.49	11.11	31.71	0.00	30.01	13.05	16.97	1.769			
4,150.20	4,150.13	4,148.64	4,148.57	8.57	8.57	11.86	33.86	0.00	30.03	12.91	17.12	1.754			
4,200.00	4,199.86	4,198.42	4,198.29	8.62	8.62	12.77	36.46	0.00	30.09	12.88	17.21	1.748			
4,300.00	4,299.73	4,298.42	4,298.15	8.75	8.75	14.57	41.69	0.00	30.22	12.75	17.47	1.730			
4,400.00	4,399.59	4,398.42	4,398.01	8.90	8.90	16.36	46.93	0.00	30.39	12.62	17.77	1.710			
4,500.00	4,499.45	4,498.41	4,497.86	9.06	9.06	18.12	52.16	0.00	30.58	12.50	18.08	1.691			
4,600.00	4,599.31	4,598.41	4,597.72	9.23	9.23	19.86	57.39	0.00	30.80	12.39	18.41	1.673			
4,700.00	4,699.18	4,698.40	4,697.58	9.41	9.41	21.58	62.63	0.00	31.05	12.29	18.75	1.655			
4,800.00	4,799.04	4,798.40	4,797.44	9.60	9.60	23.27	67.86	0.00	31.32	12.22	19.11	1.639			
4,900.00	4,898.90	4,898.39	4,897.30	9.80	9.80	24.92	73.09	0.00	31.63	12.16	19.47	1.624			
5,000.00	4,998.76	4,998.39	4,997.16	10.01	10.01	26.55	78.33	0.00	31.96	12.11	19.84	1.611			

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 701H - OH - Plan 1 12-14-21													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error: 1.00 usft
Rule Assigned:													
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,098.63	5,098.38	5,097.01	10.22	10.22	28.14	83.56	0.00	32.31	12.09	20.22	1.598	
5,200.00	5,198.49	5,198.38	5,196.87	10.44	10.44	29.69	88.79	0.00	32.69	12.09	20.60	1.587 ES	
5,300.00	5,298.35	5,298.37	5,296.73	10.67	10.67	31.21	94.03	0.00	33.09	12.11	20.98	1.577	
5,400.00	5,398.21	5,398.37	5,396.59	10.90	10.90	32.68	99.26	0.00	33.52	12.16	21.36	1.569	
5,500.00	5,498.08	5,498.36	5,496.45	11.14	11.14	34.13	104.49	0.00	33.96	12.22	21.74	1.562	
5,600.00	5,597.94	5,598.36	5,596.31	11.39	11.39	35.53	109.73	0.00	34.43	12.31	22.12	1.557	
5,700.00	5,697.80	5,698.36	5,696.16	11.64	11.64	36.89	114.96	0.00	34.92	12.42	22.50	1.552	
5,800.00	5,797.66	5,798.35	5,796.02	11.89	11.89	38.22	120.19	0.00	35.42	12.55	22.87	1.549	
5,900.00	5,897.53	5,898.35	5,895.88	12.15	12.15	39.51	125.43	0.00	35.95	12.71	23.24	1.547	
6,000.00	5,997.39	5,998.34	5,995.74	12.41	12.41	40.76	130.66	0.00	36.49	12.89	23.60	1.546	
6,100.00	6,097.25	6,098.34	6,095.60	12.68	12.68	41.97	135.89	0.00	37.05	13.09	23.96	1.546	
6,200.00	6,197.11	6,198.33	6,195.46	12.95	12.95	43.15	141.13	0.00	37.63	13.31	24.32	1.547	
6,300.00	6,296.98	6,298.33	6,295.32	13.22	13.22	44.29	146.36	0.00	38.22	13.55	24.67	1.549	
6,400.00	6,396.84	6,398.32	6,395.17	13.50	13.50	45.40	151.59	0.00	38.83	13.81	25.01	1.552	
6,500.00	6,496.70	6,498.32	6,495.03	13.78	13.78	46.47	156.83	0.00	39.45	14.10	25.35	1.556	
6,600.00	6,596.56	6,598.31	6,594.89	14.06	14.06	47.50	162.06	0.00	40.08	14.40	25.68	1.561	
6,700.00	6,696.43	6,698.31	6,694.75	14.35	14.35	48.51	167.29	0.00	40.72	14.72	26.01	1.566	
6,800.00	6,796.29	6,798.30	6,794.61	14.64	14.64	49.48	172.53	0.00	41.38	15.05	26.33	1.572	
6,900.00	6,896.15	6,898.30	6,894.47	14.93	14.93	50.43	177.76	0.00	42.05	15.41	26.65	1.578	
7,000.00	6,996.02	6,998.30	6,994.32	15.22	15.22	51.34	182.99	0.00	42.73	15.78	26.96	1.585	
7,100.00	7,095.88	7,098.29	7,094.18	15.51	15.52	52.22	188.23	0.00	43.42	16.16	27.26	1.593	
7,200.00	7,195.74	7,198.29	7,194.04	15.81	15.81	53.08	193.46	0.00	44.13	16.56	27.56	1.601	
7,300.00	7,295.60	7,298.28	7,293.90	16.11	16.11	53.91	198.69	0.00	44.84	16.98	27.86	1.609	
7,400.00	7,395.47	7,398.28	7,393.76	16.41	16.41	54.71	203.93	0.00	45.56	17.41	28.15	1.618	
7,500.00	7,495.33	7,498.27	7,493.62	16.71	16.71	55.49	209.16	0.00	46.29	17.85	28.44	1.628	
7,600.00	7,595.19	7,598.27	7,593.47	17.02	17.02	56.24	214.39	0.00	47.02	18.30	28.72	1.637	
7,700.00	7,695.05	7,698.26	7,693.33	17.32	17.32	56.97	219.63	0.00	47.77	18.77	29.00	1.647	
7,800.00	7,794.92	7,798.26	7,793.19	17.63	17.63	57.68	224.86	0.00	48.52	19.25	29.27	1.658	
7,900.00	7,894.78	7,898.58	7,893.38	17.94	17.92	58.49	229.97	0.00	49.18	19.69	29.50	1.667	
8,000.00	7,994.64	7,999.66	7,994.43	18.25	18.23	61.66	232.47	0.00	48.17	18.88	29.29	1.645	
8,100.00	8,094.50	8,099.74	8,094.50	18.56	18.30	67.36	232.54	0.00	45.95	17.47	28.48	1.613	
8,137.75	8,132.20	8,137.44	8,132.20	18.66	18.33	69.67	232.54	0.00	45.23	17.07	28.16	1.606	
8,200.00	8,194.40	8,199.63	8,194.40	18.84	18.37	72.78	232.54	0.00	44.39	16.63	27.77	1.599	
8,287.95	8,282.34	8,287.57	8,282.34	19.05	18.43	63.94	232.54	0.00	44.01	16.33	27.68	1.590	
8,300.00	8,294.38	8,299.62	8,294.38	19.05	18.44	63.94	232.54	0.00	44.01	16.31	27.70	1.589	
8,400.00	8,394.38	8,399.62	8,394.38	19.11	18.51	63.94	232.54	0.00	44.01	16.14	27.87	1.579	
8,500.00	8,494.38	8,499.62	8,494.38	19.18	18.58	63.94	232.54	0.00	44.01	15.96	28.05	1.569	
8,600.00	8,594.38	8,599.62	8,594.38	19.24	18.64	63.94	232.54	0.00	44.01	15.78	28.23	1.559	
8,700.00	8,694.38	8,699.62	8,694.38	19.31	18.71	63.94	232.54	0.00	44.01	15.60	28.41	1.549	
8,800.00	8,794.38	8,799.62	8,794.38	19.38	18.78	63.94	232.54	0.00	44.01	15.42	28.59	1.539	
8,900.00	8,894.38	8,899.62	8,894.38	19.45	18.85	63.94	232.54	0.00	44.01	15.24	28.78	1.530	
8,972.95	8,967.34	8,972.57	8,967.34	19.49	18.90	63.94	232.54	0.00	44.01	15.12	28.90	1.523 SF	
8,975.00	8,969.38	8,974.62	8,969.38	19.49	18.91	154.77	232.54	0.00	44.02	15.12	28.90	1.523	
9,000.00	8,994.37	8,999.60	8,994.37	19.50	18.92	155.15	232.54	0.00	44.71	15.85	28.85	1.549	
9,025.00	9,019.28	9,024.52	9,019.28	19.51	18.94	156.13	232.54	0.00	46.59	17.85	28.74	1.621	
9,050.00	9,044.05	9,049.28	9,044.05	19.53	18.96	157.56	232.54	0.00	49.69	21.12	28.57	1.739	
9,075.00	9,068.61	9,073.84	9,068.61	19.55	18.98	159.25	232.54	0.00	54.04	25.65	28.39	1.903	
9,100.00	9,092.89	9,098.12	9,092.89	19.58	18.99	161.05	232.54	0.00	59.65	31.41	28.23	2.113	
9,125.00	9,116.83	9,122.06	9,116.83	19.60	19.01	162.80	232.54	0.00	66.52	38.41	28.11	2.367	
9,150.00	9,140.35	9,145.59	9,140.35	19.63	19.03	164.44	232.54	0.00	74.66	46.63	28.03	2.664	
9,175.00	9,163.41	9,168.64	9,163.41	19.66	19.04	165.90	232.54	0.00	84.05	56.06	27.99	3.002	
9,200.00	9,185.92	9,191.16	9,185.92	19.69	19.06	167.19	232.54	0.00	94.67	66.67	27.99	3.382	

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 701H - OH - Plan 1 12-14-21												Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HRGM												Offset Well Error: 1.00 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
9,225.00	9,207.84	9,213.07	9,207.84	19.73	19.07	168.29	232.54	0.00	106.48	78.46	28.02	3.800
9,250.00	9,229.10	9,234.33	9,229.10	19.77	19.09	169.23	232.54	0.00	119.44	91.38	28.06	4.256
9,275.00	9,249.64	9,254.87	9,249.64	19.82	19.10	170.02	232.54	0.00	133.53	105.41	28.12	4.748
9,300.00	9,269.40	9,274.64	9,269.40	19.87	19.12	170.67	232.54	0.00	148.70	120.51	28.19	5.275
9,325.00	9,288.34	9,293.58	9,288.34	19.92	19.13	171.21	232.54	0.00	164.90	136.63	28.26	5.834
9,350.00	9,306.40	9,311.63	9,306.40	19.99	19.14	171.63	232.54	0.00	182.08	153.74	28.34	6.425
9,375.00	9,323.53	9,328.76	9,323.53	20.06	19.15	171.95	232.54	0.00	200.20	171.78	28.42	7.045
9,400.00	9,339.68	9,344.92	9,339.68	20.13	19.17	172.19	232.54	0.00	219.20	190.70	28.49	7.693
9,425.00	9,354.81	9,360.05	9,354.81	20.22	19.18	172.33	232.54	0.00	239.03	210.46	28.57	8.367
9,450.00	9,368.88	9,374.12	9,368.88	20.31	19.19	172.37	232.54	0.00	259.63	230.99	28.64	9.065
9,475.00	9,381.85	9,387.09	9,381.85	20.41	19.20	172.32	232.54	0.00	280.95	252.24	28.71	9.787
9,500.00	9,393.69	9,398.92	9,393.69	20.53	19.20	172.15	232.54	0.00	302.92	274.15	28.77	10.529
9,525.00	9,404.35	9,409.59	9,404.35	20.66	19.21	171.84	232.54	0.00	325.49	296.66	28.83	11.290
9,550.00	9,413.82	9,419.05	9,413.82	20.79	19.22	171.35	232.54	0.00	348.59	319.71	28.88	12.069
9,575.00	9,422.06	9,427.30	9,422.06	20.95	19.22	170.60	232.54	0.00	372.16	343.22	28.93	12.863
9,600.00	9,429.06	9,434.29	9,429.06	21.11	19.23	169.45	232.54	0.00	396.12	367.15	28.97	13.672
9,625.00	9,434.79	9,440.02	9,434.79	21.29	19.23	167.63	232.54	0.00	420.43	391.42	29.01	14.492
9,650.00	9,439.24	9,444.47	9,439.24	21.48	19.24	164.50	232.54	0.00	445.00	415.96	29.04	15.323
9,675.00	9,442.40	9,447.63	9,442.40	21.68	19.24	158.27	232.54	0.00	469.78	440.71	29.07	16.162
9,700.00	9,444.25	9,449.49	9,444.25	21.89	19.24	141.70	232.54	0.00	494.69	465.61	29.09	17.008
9,725.00	9,444.80	9,450.03	9,444.80	22.12	19.24	83.23	232.54	0.00	519.66	490.57	29.10	17.859
9,727.79	9,444.78	9,450.01	9,444.78	22.14	19.24	74.27	232.54	0.00	522.45	493.35	29.10	17.954
9,800.00	9,444.05	9,449.28	9,444.05	22.87	19.24	72.22	232.54	0.00	594.62	565.49	29.12	20.417
9,900.00	9,443.03	9,448.27	9,443.03	24.04	19.24	69.46	232.54	0.00	694.57	665.41	29.16	23.823
10,000.00	9,442.02	9,447.26	9,442.02	25.38	19.24	66.80	232.54	0.00	794.53	765.35	29.18	27.224
10,100.00	9,441.01	9,446.24	9,441.01	26.86	19.24	64.24	232.54	0.00	894.50	865.29	29.21	30.620
10,200.00	9,440.00	11,194.79	10,381.64	28.45	29.33	176.93	249.74	-1,005.98	943.06	902.45	40.61	23.223
10,300.00	9,438.98	11,294.79	10,380.43	30.13	31.05	176.93	248.29	-1,105.96	942.87	901.64	41.23	22.870
10,400.00	9,437.97	11,394.79	10,379.23	31.90	32.83	176.93	246.84	-1,205.95	942.68	900.78	41.90	22.501
10,500.00	9,436.96	11,494.79	10,378.03	33.72	34.68	176.93	245.39	-1,305.93	942.49	899.88	42.61	22.118
10,600.00	9,435.95	11,594.79	10,376.83	35.60	36.57	176.93	243.94	-1,405.91	942.30	898.92	43.38	21.724
10,700.00	9,434.94	11,694.79	10,375.62	37.53	38.51	176.93	242.48	-1,505.89	942.11	897.92	44.18	21.323
10,800.00	9,433.92	11,794.79	10,374.42	39.50	40.49	176.93	241.03	-1,605.87	941.92	896.89	45.03	20.917
10,900.00	9,432.91	11,894.79	10,373.22	41.50	42.49	176.93	239.58	-1,705.86	941.73	895.81	45.92	20.509
11,000.00	9,431.90	11,994.79	10,372.02	43.53	44.52	176.93	238.13	-1,805.84	941.54	894.69	46.84	20.100
11,100.00	9,430.89	12,094.79	10,370.82	45.58	46.58	176.93	236.68	-1,905.82	941.35	893.54	47.80	19.693
11,200.00	9,429.87	12,194.79	10,369.61	47.65	48.65	176.93	235.23	-2,005.80	941.16	892.36	48.79	19.289
11,300.00	9,428.86	12,294.79	10,368.41	49.75	50.75	176.93	233.78	-2,105.78	940.97	891.15	49.82	18.889
11,400.00	9,427.85	12,394.79	10,367.21	51.86	52.86	176.93	232.33	-2,205.77	940.77	889.91	50.87	18.495
11,500.00	9,426.84	12,494.79	10,366.01	53.98	54.98	176.93	230.88	-2,305.75	940.58	888.64	51.94	18.108
11,600.00	9,425.82	12,594.79	10,364.80	56.12	57.12	176.93	229.43	-2,405.73	940.39	887.35	53.05	17.727
11,700.00	9,424.81	12,694.79	10,363.60	58.27	59.27	176.93	227.98	-2,505.71	940.20	886.03	54.17	17.355
11,800.00	9,423.80	12,794.79	10,362.40	60.42	61.42	176.93	226.52	-2,605.69	940.01	884.69	55.32	16.991
11,900.00	9,422.79	12,894.79	10,361.20	62.59	63.59	176.93	225.07	-2,705.68	939.82	883.33	56.50	16.635
12,000.00	9,421.77	12,994.79	10,359.99	64.77	65.77	176.93	223.62	-2,805.66	939.63	881.95	57.69	16.289
12,100.00	9,420.76	13,094.79	10,358.79	66.95	67.95	176.93	222.17	-2,905.64	939.44	880.55	58.89	15.951
12,200.00	9,419.75	13,194.79	10,357.59	69.14	70.14	176.93	220.72	-3,005.62	939.25	879.13	60.12	15.623
12,300.00	9,418.74	13,294.79	10,356.39	71.34	72.33	176.93	219.27	-3,105.60	939.06	877.70	61.36	15.303
12,400.00	9,417.73	13,394.79	10,355.18	73.54	74.53	176.93	217.82	-3,205.59	938.87	876.25	62.62	14.993
12,500.00	9,416.71	13,494.79	10,353.98	75.74	76.74	176.93	216.37	-3,305.57	938.68	874.79	63.89	14.691
12,600.00	9,415.70	13,594.79	10,352.78	77.95	78.95	176.93	214.92	-3,405.55	938.49	873.31	65.18	14.398
12,700.00	9,414.69	13,694.79	10,351.58	80.17	81.16	176.93	213.47	-3,505.53	938.30	871.82	66.48	14.114

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 701H - OH - Plan 1 12-14-21													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error: 1.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
12,800.00	9,413.68	13,794.78	10,350.38	82.39	83.38	176.93	212.02	-3,605.52	938.11	870.32	67.79	13.838	
12,900.00	9,412.66	13,894.78	10,349.17	84.61	85.60	176.93	210.56	-3,705.50	937.92	868.81	69.11	13.571	
13,000.00	9,411.65	13,994.78	10,347.97	86.84	87.83	176.93	209.11	-3,805.48	937.73	867.28	70.45	13.311	
13,100.00	9,410.64	14,094.78	10,346.77	89.07	90.05	176.93	207.66	-3,905.46	937.54	865.75	71.79	13.059	
13,200.00	9,409.63	14,194.78	10,345.57	91.30	92.28	176.93	206.21	-4,005.44	937.35	864.21	73.14	12.815	
13,300.00	9,408.61	14,294.78	10,344.36	93.53	94.52	176.93	204.76	-4,105.43	937.16	862.65	74.51	12.578	
13,400.00	9,407.60	14,394.78	10,343.16	95.77	96.75	176.93	203.31	-4,205.41	936.97	861.09	75.88	12.348	
13,500.00	9,406.59	14,494.78	10,341.96	98.01	98.99	176.93	201.86	-4,305.39	936.78	859.52	77.26	12.126	
13,600.00	9,405.58	14,594.78	10,340.76	100.25	101.23	176.93	200.41	-4,405.37	936.59	857.94	78.64	11.909	
13,700.00	9,404.57	14,694.78	10,339.55	102.49	103.47	176.93	198.96	-4,505.35	936.40	856.36	80.04	11.699	
13,800.00	9,403.55	14,794.78	10,338.35	104.74	105.72	176.93	197.51	-4,605.34	936.21	854.77	81.44	11.496	
13,900.00	9,402.54	14,894.78	10,337.15	106.99	107.96	176.93	196.06	-4,705.32	936.02	853.17	82.85	11.298	
14,000.00	9,401.53	14,994.78	10,335.95	109.24	110.21	176.93	194.60	-4,805.30	935.83	851.57	84.26	11.106	
14,100.00	9,400.52	15,094.78	10,334.74	111.49	112.46	176.93	193.15	-4,905.28	935.64	849.96	85.68	10.920	
14,200.00	9,399.50	15,194.78	10,333.54	113.74	114.71	176.93	191.70	-5,005.26	935.45	848.34	87.11	10.739	
14,300.00	9,398.49	15,294.78	10,332.34	115.99	116.96	176.93	190.25	-5,105.25	935.26	846.72	88.54	10.563	
14,400.00	9,397.48	15,394.78	10,331.14	118.24	119.22	176.93	188.80	-5,205.23	935.07	845.09	89.97	10.393	
14,500.00	9,396.47	15,494.78	10,329.94	120.50	121.47	176.93	187.35	-5,305.21	934.88	843.46	91.42	10.227	
14,600.00	9,395.45	15,594.78	10,328.73	122.76	123.73	176.93	185.90	-5,405.19	934.69	841.82	92.86	10.065	
14,700.00	9,394.44	15,694.78	10,327.53	125.01	125.99	176.93	184.45	-5,505.17	934.50	840.18	94.31	9.909	
14,800.00	9,393.43	15,794.62	10,326.33	127.27	127.48	176.93	183.00	-5,605.00	934.30	838.88	95.43	9.791	
14,801.62	9,393.41	15,794.62	10,326.33	127.31	127.48	176.93	183.00	-5,605.00	934.30	838.86	95.45	9.789	
14,811.79	9,393.31	15,794.62	10,326.33	127.54	127.48	176.93	183.00	-5,605.00	934.36	838.80	95.56	9.778	

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 703H - OH - Plan 1 12-14-21													Offset Site Error:	0.00 usft	
Survey Program:		0-MWD+HRGM		Offset			Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
0.00	0.00	0.00	0.00	1.00	1.00	180.00	-30.00	0.00	30.00						
100.00	100.00	100.00	100.00	1.09	1.09	180.00	-30.00	0.00	30.00	27.83	2.17	13.820			
200.00	200.00	200.00	200.00	1.60	1.60	180.00	-30.00	0.00	30.00	26.80	3.20	9.375			
300.00	300.00	300.00	300.00	2.01	2.01	180.00	-30.00	0.00	30.00	25.98	4.02	7.460			
400.00	400.00	400.00	400.00	2.35	2.35	180.00	-30.00	0.00	30.00	25.29	4.71	6.373			
500.00	500.00	500.00	500.00	2.65	2.65	180.00	-30.00	0.00	30.00	24.69	5.31	5.650			
600.00	600.00	600.00	600.00	2.93	2.93	180.00	-30.00	0.00	30.00	24.14	5.86	5.123			
700.00	700.00	700.00	700.00	3.18	3.18	180.00	-30.00	0.00	30.00	23.64	6.36	4.718			
800.00	800.00	800.00	800.00	3.41	3.41	180.00	-30.00	0.00	30.00	23.17	6.83	4.393			
900.00	900.00	900.00	900.00	3.64	3.64	180.00	-30.00	0.00	30.00	22.73	7.27	4.125			
1,000.00	1,000.00	1,000.00	1,000.00	3.85	3.85	180.00	-30.00	0.00	30.00	22.31	7.69	3.900			
1,100.00	1,100.00	1,100.00	1,100.00	4.05	4.05	180.00	-30.00	0.00	30.00	21.90	8.10	3.706			
1,200.00	1,200.00	1,200.00	1,200.00	4.24	4.24	180.00	-30.00	0.00	30.00	21.52	8.48	3.537			
1,300.00	1,300.00	1,300.00	1,300.00	4.43	4.43	180.00	-30.00	0.00	30.00	21.14	8.86	3.388			
1,400.00	1,400.00	1,400.00	1,400.00	4.61	4.61	180.00	-30.00	0.00	30.00	20.78	9.22	3.255			
1,500.00	1,500.00	1,500.00	1,500.00	4.78	4.78	180.00	-30.00	0.00	30.00	20.43	9.57	3.136			
1,600.00	1,600.00	1,600.00	1,600.00	4.95	4.95	180.00	-30.00	0.00	30.00	20.09	9.91	3.028			
1,700.00	1,700.00	1,700.00	1,700.00	5.12	5.12	180.00	-30.00	0.00	30.00	19.76	10.24	2.930			
1,800.00	1,800.00	1,800.00	1,800.00	5.28	5.28	180.00	-30.00	0.00	30.00	19.44	10.56	2.841			
1,900.00	1,900.00	1,900.00	1,900.00	5.44	5.44	180.00	-30.00	0.00	30.00	19.12	10.88	2.758			
2,000.00	2,000.00	2,000.00	2,000.00	5.59	5.59	180.00	-30.00	0.00	30.00	18.81	11.19	2.682			
2,100.00	2,100.00	2,100.00	2,100.00	5.75	5.75	180.00	-30.00	0.00	30.00	18.51	11.49	2.611			
2,200.00	2,200.00	2,200.00	2,200.00	5.89	5.89	180.00	-30.00	0.00	30.00	18.21	11.79	2.545			
2,300.00	2,300.00	2,300.00	2,300.00	6.04	6.04	180.00	-30.00	0.00	30.00	17.92	12.08	2.483			
2,400.00	2,400.00	2,400.00	2,400.00	6.19	6.19	180.00	-30.00	0.00	30.00	17.63	12.37	2.425			
2,500.00	2,500.00	2,500.00	2,500.00	6.33	6.33	180.00	-30.00	0.00	30.00	17.35	12.65	2.371			
2,600.00	2,600.00	2,600.00	2,600.00	6.47	6.47	180.00	-30.00	0.00	30.00	17.07	12.93	2.319			
2,700.00	2,700.00	2,700.00	2,700.00	6.61	6.61	180.00	-30.00	0.00	30.00	16.79	13.21	2.271			
2,800.00	2,800.00	2,800.00	2,800.00	6.74	6.74	180.00	-30.00	0.00	30.00	16.52	13.48	2.225			
2,900.00	2,900.00	2,900.00	2,900.00	6.88	6.88	180.00	-30.00	0.00	30.00	16.25	13.75	2.182			
3,000.00	3,000.00	3,000.00	3,000.00	7.01	7.01	180.00	-30.00	0.00	30.00	15.98	14.02	2.140			
3,100.00	3,100.00	3,100.00	3,100.00	7.14	7.14	180.00	-30.00	0.00	30.00	15.72	14.28	2.101			
3,200.00	3,200.00	3,200.00	3,200.00	7.27	7.27	180.00	-30.00	0.00	30.00	15.46	14.54	2.064			
3,300.00	3,300.00	3,300.00	3,300.00	7.40	7.40	180.00	-30.00	0.00	30.00	15.21	14.79	2.028			
3,400.00	3,400.00	3,400.00	3,400.00	7.52	7.52	180.00	-30.00	0.00	30.00	14.95	15.05	1.994			
3,500.00	3,500.00	3,500.00	3,500.00	7.65	7.65	180.00	-30.00	0.00	30.00	14.70	15.30	1.961			
3,600.00	3,600.00	3,600.00	3,600.00	7.77	7.77	180.00	-30.00	0.00	30.00	14.45	15.55	1.929			
3,700.00	3,700.00	3,700.00	3,700.00	7.90	7.90	180.00	-30.00	0.00	30.00	14.20	15.80	1.899			
3,800.00	3,800.00	3,800.00	3,800.00	8.02	8.02	180.00	-30.00	0.00	30.00	13.96	16.04	1.870			
3,900.00	3,900.00	3,900.00	3,900.00	8.14	8.14	180.00	-30.00	0.00	30.00	13.72	16.28	1.842			
4,000.00	4,000.00	4,000.00	4,000.00	8.26	8.26	180.00	-30.00	0.00	30.00	13.47	16.53	1.815 CC, ES, SF			
4,100.00	4,099.98	4,099.98	4,099.98	8.49	8.38	-170.06	-30.00	0.00	31.72	14.85	16.87	1.880			
4,150.20	4,150.13	4,149.54	4,149.54	8.57	8.44	-170.67	-30.43	0.00	34.31	17.31	17.00	2.018			
4,200.00	4,199.86	4,198.57	4,198.55	8.62	8.49	-171.26	-31.70	0.00	38.17	21.07	17.10	2.232			
4,300.00	4,299.73	4,296.56	4,296.40	8.75	8.84	-172.00	-36.74	0.00	48.49	30.93	17.56	2.761			
4,400.00	4,399.59	4,393.74	4,393.23	8.90	9.19	-172.32	-45.05	0.00	62.19	44.16	18.04	3.448			
4,500.00	4,499.45	4,489.92	4,488.71	9.06	9.54	-172.39	-56.49	0.00	79.22	60.71	18.51	4.279			
4,600.00	4,599.31	4,584.88	4,582.57	9.23	9.89	-172.34	-70.94	0.00	99.53	80.54	18.99	5.241			
4,700.00	4,699.18	4,678.45	4,674.53	9.41	10.24	-172.24	-88.20	0.00	123.04	103.57	19.48	6.318			
4,800.00	4,799.04	4,774.13	4,768.13	9.60	10.50	-172.12	-108.02	0.00	148.78	128.87	19.91	7.472			
4,900.00	4,898.90	4,870.73	4,862.62	9.80	10.68	-172.04	-128.11	0.00	174.61	154.32	20.29	8.604			
5,000.00	4,998.76	4,967.34	4,957.12	10.01	10.85	-171.98	-148.20	0.00	200.44	179.76	20.68	9.694			

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 703H - OH - Plan 1 12-14-21													Offset Site Error:	0.00 usft
Survey Program:		0-MWD+HRGM					Rule Assigned:				Offset Well Error:	1.00 usft		
Reference	Offset	Reference	Offset	Semi Major Axis	Offset	Highside	Offset Wellbore Centre		Distance		Separation	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	(usft)	(usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)	Minimum Separation (usft)	Factor		
5,100.00	5,098.63	5,063.95	5,051.61	10.22	11.05	-171.93	-168.30	0.00	226.26	205.18	21.09	10.731		
5,200.00	5,198.49	5,160.55	5,146.11	10.44	11.25	-171.89	-188.39	0.00	252.09	230.57	21.52	11.717		
5,300.00	5,298.35	5,257.16	5,240.60	10.67	11.48	-171.86	-208.48	-0.01	277.92	255.95	21.97	12.651		
5,400.00	5,398.21	5,353.77	5,335.10	10.90	11.71	-171.83	-228.58	-0.01	303.74	281.31	22.44	13.536		
5,500.00	5,498.08	5,450.38	5,429.59	11.14	11.96	-171.81	-248.67	-0.01	329.57	306.64	22.93	14.373		
5,600.00	5,597.94	5,546.98	5,524.08	11.39	12.22	-171.79	-268.76	-0.01	355.40	331.96	23.44	15.163		
5,700.00	5,697.80	5,643.59	5,618.58	11.64	12.50	-171.78	-288.85	-0.01	381.23	357.26	23.96	15.908		
5,800.00	5,797.66	5,740.20	5,713.07	11.89	12.78	-171.76	-308.95	-0.01	407.05	382.55	24.50	16.612		
5,900.00	5,897.53	5,836.80	5,807.57	12.15	13.07	-171.75	-329.04	-0.01	432.88	407.82	25.06	17.275		
6,000.00	5,997.39	5,933.41	5,902.06	12.41	13.38	-171.74	-349.13	-0.01	458.71	433.08	25.63	17.899		
6,100.00	6,097.25	6,030.02	5,996.56	12.68	13.69	-171.73	-369.22	-0.01	484.54	458.33	26.21	18.488		
6,200.00	6,197.11	6,126.63	6,091.05	12.95	14.01	-171.72	-389.32	-0.01	510.36	483.56	26.80	19.043		
6,300.00	6,296.98	6,223.23	6,185.55	13.22	14.33	-171.71	-409.41	-0.01	536.19	508.79	27.40	19.566		
6,400.00	6,396.84	6,319.84	6,280.04	13.50	14.67	-171.71	-429.50	-0.01	562.02	534.00	28.02	20.059		
6,500.00	6,496.70	6,416.45	6,374.54	13.78	15.01	-171.70	-449.59	-0.01	587.85	559.20	28.64	20.523		
6,600.00	6,596.56	6,513.05	6,469.03	14.06	15.36	-171.69	-469.69	-0.01	613.67	584.40	29.28	20.962		
6,700.00	6,696.43	6,609.66	6,563.52	14.35	15.71	-171.69	-489.78	-0.01	639.50	609.58	29.92	21.376		
6,800.00	6,796.29	6,706.27	6,658.02	14.64	16.07	-171.68	-509.87	-0.01	665.33	634.76	30.57	21.767		
6,900.00	6,896.15	6,802.88	6,752.51	14.93	16.43	-171.68	-529.96	-0.01	691.15	659.93	31.22	22.137		
7,000.00	6,996.02	6,899.48	6,847.01	15.22	16.80	-171.67	-550.06	-0.02	716.98	685.10	31.89	22.486		
7,100.00	7,095.88	6,996.09	6,941.50	15.51	17.18	-171.67	-570.15	-0.02	742.81	710.25	32.56	22.817		
7,200.00	7,195.74	7,092.70	7,036.00	15.81	17.55	-171.66	-590.24	-0.02	768.64	735.40	33.23	23.130		
7,300.00	7,295.60	7,189.30	7,130.49	16.11	17.94	-171.66	-610.34	-0.02	794.46	760.55	33.91	23.426		
7,400.00	7,395.47	7,285.91	7,224.99	16.41	18.32	-171.66	-630.43	-0.02	820.29	785.69	34.60	23.707		
7,500.00	7,495.33	7,382.52	7,319.48	16.71	18.71	-171.65	-650.52	-0.02	846.12	810.83	35.29	23.974		
7,600.00	7,595.19	7,479.13	7,413.98	17.02	19.10	-171.65	-670.61	-0.02	871.95	835.96	35.99	24.227		
7,700.00	7,695.05	7,575.73	7,508.47	17.32	19.50	-171.65	-690.71	-0.02	897.77	861.08	36.69	24.467		
7,800.00	7,794.92	7,672.34	7,602.97	17.63	19.89	-171.65	-710.80	-0.02	923.60	886.20	37.40	24.696		
7,900.00	7,894.78	7,768.95	7,697.46	17.94	20.29	-171.64	-730.89	-0.02	949.43	911.32	38.11	24.914		
8,000.00	7,994.64	7,865.55	7,791.95	18.25	20.70	-171.64	-750.98	-0.02	975.26	936.43	38.82	25.121		
8,100.00	8,094.50	7,962.16	7,886.45	18.56	21.10	-171.64	-771.08	-0.02	1,001.08	961.54	39.54	25.318		
8,137.75	8,132.20	7,998.63	7,922.12	18.66	21.26	-171.64	-778.66	-0.02	1,010.83	971.03	39.80	25.396		
8,200.00	8,194.40	8,058.94	7,981.11	18.84	21.51	-171.68	-791.20	-0.02	1,026.26	986.03	40.24	25.505		
8,287.95	8,282.34	8,144.68	8,064.97	19.05	21.87	-177.79	-809.04	-0.02	1,045.85	1,005.04	40.81	25.627		
8,300.00	8,294.38	8,156.46	8,076.50	19.05	21.92	-177.79	-811.49	-0.02	1,048.35	1,007.48	40.87	25.653		
8,400.00	8,394.38	8,254.27	8,172.17	19.11	22.34	-177.83	-831.83	-0.02	1,069.13	1,027.77	41.36	25.849		
8,500.00	8,494.38	8,352.09	8,267.85	19.18	22.76	-177.88	-852.17	-0.02	1,089.92	1,048.06	41.86	26.036		
8,600.00	8,594.38	8,449.90	8,363.52	19.24	23.18	-177.92	-872.52	-0.02	1,110.70	1,068.34	42.37	26.216		
8,700.00	8,694.38	8,547.71	8,459.20	19.31	23.60	-177.95	-892.86	-0.03	1,131.49	1,088.62	42.87	26.391		
8,800.00	8,794.38	8,645.53	8,554.87	19.38	24.03	-177.99	-913.21	-0.03	1,152.27	1,108.89	43.38	26.561		
8,900.00	8,894.38	8,743.34	8,650.55	19.45	24.45	-178.03	-933.55	-0.03	1,173.06	1,129.17	43.89	26.726		
8,972.95	8,967.34	8,814.70	8,720.34	19.49	24.77	-178.05	-948.39	-0.03	1,188.23	1,143.97	44.26	26.848		
8,975.00	8,969.38	8,816.70	8,722.30	19.49	24.77	-91.07	-948.81	-0.03	1,188.65	1,144.38	44.27	26.852		
9,000.00	8,994.37	8,841.14	8,746.21	19.50	24.88	-90.46	-953.89	-0.03	1,193.86	1,149.48	44.38	26.900		
9,025.00	9,019.28	8,865.51	8,770.05	19.51	24.99	-89.91	-958.96	-0.03	1,199.08	1,154.58	44.50	26.946		
9,050.00	9,044.05	8,889.75	8,793.76	19.53	25.09	-89.42	-964.00	-0.03	1,204.30	1,159.69	44.62	26.992		
9,075.00	9,068.61	8,913.79	8,817.27	19.55	25.20	-89.00	-969.00	-0.03	1,209.53	1,164.79	44.74	27.037		
9,100.00	9,092.89	8,937.56	8,840.51	19.58	25.30	-88.62	-973.94	-0.03	1,214.75	1,169.89	44.86	27.081		
9,125.00	9,116.83	8,960.99	8,863.44	19.60	25.41	-88.30	-978.82	-0.03	1,219.98	1,175.00	44.97	27.126		
9,150.00	9,140.35	8,984.03	8,885.97	19.63	25.51	-88.03	-983.61	-0.03	1,225.21	1,180.12	45.09	27.170		
9,175.00	9,163.41	9,006.61	8,908.06	19.66	25.61	-87.80	-988.30	-0.03	1,230.46	1,185.25	45.21	27.215		
9,200.00	9,185.92	9,028.66	8,929.63	19.69	25.70	-87.60	-992.89	-0.03	1,235.75	1,190.42	45.33	27.260		

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 703H - OH - Plan 1 12-14-21													Offset Site Error:	0.00 usft	
Survey Program:		0-MWD+HRGM		Offset		Semi Maior Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
9,225.00	9,207.84	9,050.14	8,950.63	19.73	25.80	-87.43	-997.36	-0.03	1,241.08	1,195.63	45.45	27.307			
9,250.00	9,229.10	9,070.97	8,971.01	19.77	25.89	-87.28	-1,001.69	-0.03	1,246.47	1,200.91	45.57	27.355			
9,275.00	9,249.64	9,091.10	8,990.70	19.82	25.98	-87.14	-1,005.88	-0.03	1,251.95	1,206.27	45.68	27.406			
9,300.00	9,269.40	9,110.48	9,009.66	19.87	26.07	-87.01	-1,009.91	-0.03	1,257.52	1,211.72	45.80	27.459			
9,325.00	9,288.34	9,129.06	9,027.83	19.92	26.15	-86.87	-1,013.77	-0.03	1,263.21	1,217.30	45.91	27.515			
9,350.00	9,306.40	9,146.77	9,045.15	19.99	26.23	-86.71	-1,017.46	-0.03	1,269.04	1,223.02	46.02	27.574			
9,375.00	9,323.53	9,163.58	9,061.60	20.06	26.30	-86.54	-1,020.95	-0.03	1,275.03	1,228.89	46.13	27.637			
9,400.00	9,339.68	9,179.44	9,077.11	20.13	26.37	-86.33	-1,024.25	-0.03	1,281.19	1,234.94	46.24	27.704			
9,425.00	9,354.81	9,194.30	9,091.64	20.22	26.44	-86.08	-1,027.34	-0.03	1,287.54	1,241.19	46.35	27.776			
9,450.00	9,368.88	9,208.12	9,105.16	20.31	26.50	-85.79	-1,030.22	-0.03	1,294.10	1,247.64	46.46	27.852			
9,475.00	9,381.85	9,220.87	9,117.63	20.41	26.55	-85.44	-1,032.87	-0.03	1,300.88	1,254.31	46.57	27.934			
9,500.00	9,393.69	9,232.51	9,129.02	20.53	26.61	-85.04	-1,035.29	-0.03	1,307.89	1,261.21	46.68	28.021			
9,525.00	9,404.35	9,243.01	9,139.29	20.66	26.65	-84.56	-1,037.47	-0.03	1,315.13	1,268.35	46.78	28.113			
9,550.00	9,413.82	9,252.34	9,148.42	20.79	26.69	-84.02	-1,039.41	-0.03	1,322.62	1,275.74	46.88	28.212			
9,575.00	9,422.06	9,260.48	9,156.37	20.95	26.73	-83.39	-1,041.10	-0.03	1,330.34	1,283.36	46.98	28.317			
9,600.00	9,429.06	9,267.39	9,163.14	21.11	26.76	-82.69	-1,042.54	-0.03	1,338.31	1,291.23	47.08	28.429			
9,625.00	9,434.79	9,273.07	9,168.69	21.29	26.79	-81.91	-1,043.72	-0.03	1,346.50	1,299.33	47.17	28.548			
9,650.00	9,439.24	9,277.50	9,173.02	21.48	26.81	-81.05	-1,044.64	-0.03	1,354.92	1,307.66	47.25	28.674			
9,675.00	9,442.40	9,280.66	9,176.11	21.68	26.82	-80.10	-1,045.30	-0.03	1,363.53	1,316.20	47.33	28.808			
9,700.00	9,444.25	9,282.55	9,177.96	21.89	26.83	-79.07	-1,045.69	-0.03	1,372.34	1,324.94	47.41	28.949			
9,725.00	9,444.80	9,283.16	9,178.56	22.12	26.83	-77.97	-1,045.82	-0.03	1,381.31	1,333.84	47.47	29.099			
9,727.79	9,444.78	9,283.15	9,178.55	22.14	26.83	-77.84	-1,045.82	-0.03	1,382.32	1,334.84	47.48	29.116			
9,800.00	9,444.05	9,282.65	9,178.06	22.87	26.83	-77.82	-1,045.72	-0.03	1,410.10	1,362.44	47.65	29.591			
9,900.00	9,443.03	9,281.96	9,177.39	24.04	26.83	-77.79	-1,045.57	-0.03	1,453.62	1,405.71	47.90	30.345			
10,000.00	9,442.02	9,281.27	9,176.71	25.38	26.82	-77.76	-1,045.43	-0.03	1,502.54	1,454.40	48.14	31.212			
10,100.00	9,441.01	9,280.58	9,176.04	26.86	26.82	-77.73	-1,045.29	-0.03	1,556.36	1,508.00	48.36	32.185			
10,200.00	9,440.00	9,279.89	9,175.36	28.45	26.82	-77.70	-1,045.14	-0.03	1,614.59	1,566.03	48.55	33.256			
10,300.00	9,438.98	11,390.93	10,380.52	30.13	37.89	-125.58	-1,118.65	-1,098.42	1,618.68	1,560.63	58.05	27.886			
10,400.00	9,437.97	11,490.93	10,379.31	31.90	39.38	-125.59	-1,119.17	-1,198.41	1,617.82	1,557.23	60.59	26.702			
10,500.00	9,436.96	11,590.92	10,378.11	33.72	40.95	-125.60	-1,119.69	-1,298.39	1,616.96	1,553.70	63.26	25.561			
10,600.00	9,435.95	11,690.92	10,376.90	35.60	42.58	-125.62	-1,120.21	-1,398.38	1,616.09	1,550.05	66.04	24.472			
10,700.00	9,434.94	11,790.91	10,375.70	37.53	44.27	-125.63	-1,120.73	-1,498.37	1,615.23	1,546.31	68.92	23.437			
10,800.00	9,433.92	11,890.91	10,374.50	39.50	46.00	-125.65	-1,121.25	-1,598.35	1,614.37	1,542.49	71.89	22.458			
10,900.00	9,432.91	11,990.90	10,373.29	41.50	47.79	-125.66	-1,121.77	-1,698.34	1,613.51	1,538.58	74.93	21.534			
11,000.00	9,431.90	12,090.90	10,372.09	43.53	49.61	-125.67	-1,122.29	-1,798.33	1,612.65	1,534.61	78.04	20.665			
11,100.00	9,430.89	12,190.89	10,370.88	45.58	51.47	-125.69	-1,122.80	-1,898.32	1,611.79	1,530.58	81.21	19.847			
11,200.00	9,429.87	12,290.89	10,369.68	47.65	53.36	-125.70	-1,123.32	-1,998.30	1,610.93	1,526.49	84.43	19.079			
11,300.00	9,428.86	12,390.89	10,368.48	49.75	55.28	-125.71	-1,123.84	-2,098.29	1,610.07	1,522.36	87.70	18.358			
11,400.00	9,427.85	12,490.88	10,367.27	51.86	57.23	-125.73	-1,124.36	-2,198.28	1,609.21	1,518.19	91.02	17.680			
11,500.00	9,426.84	12,590.88	10,366.07	53.98	59.20	-125.74	-1,124.88	-2,298.26	1,608.34	1,513.98	94.37	17.044			
11,600.00	9,425.82	12,690.87	10,364.86	56.12	61.19	-125.75	-1,125.40	-2,398.25	1,607.48	1,509.73	97.75	16.445			
11,700.00	9,424.81	12,790.87	10,363.66	58.27	63.20	-125.77	-1,125.92	-2,498.24	1,606.62	1,505.46	101.16	15.882			
11,800.00	9,423.80	12,890.86	10,362.46	60.42	65.23	-125.78	-1,126.44	-2,598.22	1,605.76	1,501.16	104.60	15.351			
11,900.00	9,422.79	12,990.86	10,361.25	62.59	67.27	-125.80	-1,126.96	-2,698.21	1,604.90	1,496.83	108.07	14.851			
12,000.00	9,421.77	13,090.86	10,360.05	64.77	69.33	-125.81	-1,127.47	-2,798.20	1,604.04	1,492.49	111.55	14.379			
12,100.00	9,420.76	13,190.85	10,358.84	66.95	71.41	-125.82	-1,127.99	-2,898.19	1,603.18	1,488.12	115.06	13.933			
12,200.00	9,419.75	13,290.85	10,357.64	69.14	73.49	-125.84	-1,128.51	-2,998.17	1,602.32	1,483.74	118.59	13.512			
12,300.00	9,418.74	13,390.84	10,356.43	71.34	75.59	-125.85	-1,129.03	-3,098.16	1,601.46	1,479.34	122.13	13.113			
12,400.00	9,417.73	13,490.84	10,355.23	73.54	77.70	-125.86	-1,129.55	-3,198.15	1,600.60	1,474.92	125.68	12.735			
12,500.00	9,416.71	13,590.83	10,354.03	75.74	79.82	-125.88	-1,130.07	-3,298.13	1,599.74	1,470.49	129.25	12.377			
12,600.00	9,415.70	13,690.83	10,352.82	77.95	81.94	-125.89	-1,130.59	-3,398.12	1,598.88	1,466.05	132.83	12.037			
12,700.00	9,414.69	13,790.82	10,351.62	80.17	84.08	-125.91	-1,131.11	-3,498.11	1,598.02	1,461.60	136.42	11.714			

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 703H - OH - Plan 1 12-14-21												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM												Offset Well Error:	1.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance		Rule Assigned:		Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,800.00	9,413.68	13,890.82	10,350.41	82.39	86.22	-125.92	-1,131.62	-3,598.09	1,597.16	1,457.14	140.03	11.406	
12,900.00	9,412.66	13,990.82	10,349.21	84.61	88.37	-125.93	-1,132.14	-3,698.08	1,596.31	1,452.67	143.64	11.113	
13,000.00	9,411.65	14,090.81	10,348.01	86.84	90.53	-125.95	-1,132.66	-3,798.07	1,595.45	1,448.19	147.26	10.834	
13,100.00	9,410.64	14,190.81	10,346.80	89.07	92.69	-125.96	-1,133.18	-3,898.05	1,594.59	1,443.70	150.89	10.568	
13,200.00	9,409.63	14,290.80	10,345.60	91.30	94.86	-125.97	-1,133.70	-3,998.04	1,593.73	1,439.20	154.52	10.314	
13,300.00	9,408.61	14,390.80	10,344.39	93.53	97.03	-125.99	-1,134.22	-4,098.03	1,592.87	1,434.70	158.17	10.071	
13,400.00	9,407.60	14,490.79	10,343.19	95.77	99.21	-126.00	-1,134.74	-4,198.02	1,592.01	1,430.20	161.81	9.839	
13,500.00	9,406.59	14,590.79	10,341.99	98.01	101.39	-126.02	-1,135.26	-4,298.00	1,591.15	1,425.68	165.47	9.616	
13,600.00	9,405.58	14,690.78	10,340.78	100.25	103.58	-126.03	-1,135.77	-4,397.99	1,590.29	1,421.17	169.13	9.403	
13,700.00	9,404.57	14,790.78	10,339.58	102.49	105.77	-126.04	-1,136.29	-4,497.98	1,589.43	1,416.64	172.79	9.199	
13,800.00	9,403.55	14,890.78	10,338.37	104.74	107.97	-126.06	-1,136.81	-4,597.96	1,588.58	1,412.12	176.46	9.003	
13,900.00	9,402.54	14,990.77	10,337.17	106.99	110.17	-126.07	-1,137.33	-4,697.95	1,587.72	1,407.59	180.13	8.814	
14,000.00	9,401.53	15,090.77	10,335.97	109.24	112.37	-126.09	-1,137.85	-4,797.94	1,586.86	1,403.05	183.81	8.633	
14,100.00	9,400.52	15,190.76	10,334.76	111.49	114.58	-126.10	-1,138.37	-4,897.92	1,586.00	1,398.51	187.49	8.459	
14,200.00	9,399.50	15,290.76	10,333.56	113.74	116.79	-126.11	-1,138.89	-4,997.91	1,585.14	1,393.97	191.17	8.292	
14,300.00	9,398.49	15,390.75	10,332.35	115.99	119.00	-126.13	-1,139.41	-5,097.90	1,584.28	1,389.43	194.86	8.131	
14,400.00	9,397.48	15,490.75	10,331.15	118.24	121.22	-126.14	-1,139.92	-5,197.89	1,583.43	1,384.88	198.54	7.975	
14,500.00	9,396.47	15,590.74	10,329.94	120.50	123.44	-126.16	-1,140.44	-5,297.87	1,582.57	1,380.33	202.24	7.825	
14,600.00	9,395.45	15,690.74	10,328.74	122.76	125.66	-126.17	-1,140.96	-5,397.86	1,581.71	1,375.78	205.93	7.681	
14,700.00	9,394.44	15,790.74	10,327.54	125.01	127.88	-126.18	-1,141.48	-5,497.85	1,580.85	1,371.23	209.62	7.541	
14,800.00	9,393.43	15,890.73	10,326.33	127.27	129.40	-126.20	-1,142.00	-5,597.83	1,580.00	1,367.28	212.71	7.428	
14,811.79	9,393.31	15,890.90	10,326.33	127.54	129.40	-126.20	-1,142.00	-5,598.00	1,579.94	1,366.95	212.99	7.418	

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Stella Blue 30 Fed Com - 701H - OH / Job 63103 - OH / Job 63103														Offset Site Error: 0.00 usft
Survey Program: 158-, 1148-														Offset Well Error: 0.00 usft
Rule Assigned:														
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		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
0.00	0.00	0.00	61.00	1.00	0.00	-75.27	1,335.85	-5,081.75	5,254.75					
100.00	100.00	33.10	94.10	1.09	0.03	-75.27	1,335.85	-5,081.77	5,254.42	5,253.30	1.12	4,704.779		
200.00	200.00	117.97	178.97	1.60	0.11	-75.27	1,335.82	-5,082.00	5,254.67	5,252.96	1.71	3,069.855		
300.00	300.00	204.31	265.30	2.01	0.25	-75.28	1,335.68	-5,082.52	5,255.21	5,252.95	2.26	2,322.077		
400.00	400.00	291.93	352.92	2.35	0.45	-75.29	1,334.97	-5,083.41	5,255.99	5,253.19	2.80	1,876.802		
500.00	500.00	376.82	437.80	2.65	0.63	-75.30	1,333.97	-5,084.58	5,257.02	5,253.74	3.28	1,601.209		
600.00	600.00	460.63	521.59	2.93	0.81	-75.31	1,333.41	-5,085.88	5,258.36	5,254.62	3.73	1,409.041		
700.00	700.00	578.92	639.87	3.18	1.04	-75.32	1,333.10	-5,087.63	5,259.73	5,255.51	4.22	1,246.296		
800.00	800.00	679.03	739.98	3.41	1.25	-75.32	1,332.91	-5,088.76	5,260.77	5,256.11	4.66	1,129.277		
900.00	900.00	759.01	819.95	3.64	1.42	-75.33	1,332.80	-5,089.89	5,262.10	5,257.05	5.05	1,042.700		
1,000.00	1,000.00	857.88	918.80	3.85	1.62	-75.33	1,332.67	-5,091.56	5,263.71	5,258.24	5.46	963.289		
1,100.00	1,100.00	969.77	1,030.68	4.05	1.86	-75.34	1,332.34	-5,093.30	5,265.13	5,259.23	5.90	892.413		
1,200.00	1,200.00	1,077.50	1,138.40	4.24	2.05	-75.34	1,332.38	-5,094.67	5,266.38	5,260.09	6.28	837.970		
1,300.00	1,300.00	1,182.00	1,242.89	4.43	2.16	-75.35	1,332.48	-5,095.84	5,267.48	5,260.90	6.58	800.754		
1,400.00	1,400.00	1,278.98	1,339.84	4.61	2.24	-75.37	1,330.45	-5,097.48	5,268.59	5,261.75	6.84	770.269		
1,500.00	1,500.00	1,421.29	1,481.82	4.78	2.44	-75.47	1,322.00	-5,101.04	5,269.59	5,262.37	7.22	729.969		
1,600.00	1,600.00	1,568.75	1,628.14	4.95	2.75	-75.67	1,304.31	-5,105.14	5,269.20	5,261.51	7.70	684.648		
1,700.00	1,700.00	1,654.50	1,713.01	5.12	2.97	-75.80	1,292.31	-5,107.85	5,268.81	5,260.72	8.09	651.097		
1,800.00	1,800.00	1,744.00	1,801.53	5.28	3.23	-75.95	1,279.47	-5,110.98	5,268.70	5,260.19	8.51	619.109		
1,853.37	1,853.37	1,796.43	1,853.37	5.36	3.40	-76.03	1,271.88	-5,112.87	5,268.69	5,259.93	8.76	601.268		
1,900.00	1,900.00	1,842.23	1,898.66	5.44	3.55	-76.11	1,265.24	-5,114.52	5,268.70	5,259.72	8.98	586.495		
2,000.00	2,000.00	1,940.15	1,995.47	5.59	3.87	-76.26	1,251.01	-5,118.08	5,268.75	5,259.29	9.46	556.728		
2,100.00	2,100.00	2,037.64	2,091.88	5.75	4.21	-76.42	1,236.97	-5,121.61	5,268.87	5,258.92	9.96	529.143		
2,200.00	2,200.00	2,140.20	2,193.34	5.89	4.58	-76.58	1,222.47	-5,125.26	5,269.04	5,258.57	10.47	503.148		
2,300.00	2,300.00	2,249.10	2,301.23	6.04	4.97	-76.75	1,208.06	-5,128.73	5,269.09	5,258.08	11.01	478.402		
2,400.00	2,400.00	2,409.03	2,459.99	6.19	5.55	-76.96	1,189.03	-5,132.37	5,268.65	5,256.91	11.74	448.895		
2,500.00	2,500.00	2,537.11	2,587.35	6.33	6.01	-77.10	1,175.60	-5,133.48	5,267.09	5,254.75	12.34	426.841		
2,600.00	2,600.00	2,641.16	2,690.91	6.47	6.39	-77.21	1,165.57	-5,133.97	5,265.40	5,252.55	12.85	409.669		
2,700.00	2,700.00	2,721.80	2,771.21	6.61	6.68	-77.29	1,158.16	-5,134.35	5,263.84	5,250.55	13.28	396.307		
2,800.00	2,800.00	2,799.43	2,848.51	6.74	6.96	-77.37	1,151.03	-5,135.05	5,262.70	5,249.00	13.70	384.164		
2,900.00	2,900.00	2,924.68	2,973.24	6.88	7.41	-77.49	1,139.71	-5,136.35	5,261.78	5,247.50	14.29	368.321		
3,000.00	3,000.00	3,093.67	3,141.62	7.01	8.02	-77.64	1,125.37	-5,135.92	5,259.68	5,244.66	15.03	350.056		
3,100.00	3,100.00	3,249.10	3,296.54	7.14	8.58	-77.77	1,112.98	-5,133.54	5,256.48	5,240.77	15.71	334.618		
3,200.00	3,200.00	3,410.52	3,457.42	7.27	9.15	-77.89	1,100.68	-5,129.07	5,252.16	5,235.75	16.41	320.119		
3,300.00	3,300.00	3,496.87	3,543.49	7.40	9.46	-77.95	1,094.29	-5,126.34	5,247.49	5,230.65	16.84	311.564		
3,400.00	3,400.00	3,592.79	3,639.11	7.52	9.80	-78.02	1,087.36	-5,123.31	5,242.89	5,225.58	17.31	302.880		
3,500.00	3,500.00	3,667.89	3,714.00	7.65	10.07	-78.07	1,082.18	-5,121.08	5,238.55	5,220.84	17.70	295.899		
3,600.00	3,600.00	3,740.84	3,786.78	7.77	10.33	-78.11	1,077.56	-5,119.21	5,234.72	5,216.63	18.09	289.391		
3,700.00	3,700.00	3,810.04	3,855.83	7.90	10.57	-78.16	1,073.30	-5,117.77	5,231.43	5,212.97	18.46	283.365		
3,800.00	3,800.00	3,867.00	3,912.62	8.02	10.78	-78.20	1,068.91	-5,117.13	5,228.79	5,210.00	18.79	278.245		
3,900.00	3,900.00	3,961.00	4,006.09	8.14	11.14	-78.31	1,059.02	-5,117.15	5,226.66	5,207.39	19.27	271.219		
4,000.00	4,000.00	4,042.68	4,087.08	8.26	11.46	-78.42	1,048.49	-5,117.87	5,224.89	5,205.18	19.71	265.047		
4,100.00	4,099.98	4,103.10	4,146.92	8.49	11.70	-68.05	1,040.19	-5,118.74	5,222.91	5,202.83	20.09	260.026		
4,150.20	4,150.13	4,149.00	4,192.31	8.57	11.88	-68.17	1,033.43	-5,119.85	5,221.81	5,201.50	20.31	257.092		
4,200.00	4,199.86	4,149.00	4,192.31	8.62	11.88	-68.17	1,033.43	-5,119.85	5,220.67	5,200.33	20.34	256.611		
4,300.00	4,299.73	4,186.62	4,229.41	8.75	12.04	-68.26	1,027.40	-5,121.28	5,219.41	5,198.80	20.61	253.258		
4,345.08	4,344.75	4,201.04	4,243.60	8.82	12.10	-68.30	1,024.91	-5,122.01	5,219.28	5,198.56	20.72	251.876		
4,400.00	4,399.59	4,243.00	4,284.74	8.90	12.28	-68.41	1,017.10	-5,124.71	5,219.65	5,198.69	20.96	249.007		
4,500.00	4,499.45	4,243.00	4,284.74	9.06	12.28	-68.41	1,017.10	-5,124.71	5,220.88	5,199.81	21.07	247.746		
4,600.00	4,599.31	4,280.95	4,321.80	9.23	12.44	-68.51	1,009.59	-5,127.86	5,223.60	5,202.24	21.35	244.646		
4,700.00	4,699.18	4,337.00	4,376.37	9.41	12.68	-68.68	998.18	-5,133.66	5,227.86	5,206.15	21.71	240.802		
4,800.00	4,799.04	4,337.00	4,376.37	9.60	12.68	-68.68	998.18	-5,133.66	5,233.09	5,211.27	21.81	239.887		

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Stella Blue 30 Fed Com - 701H - OH / Job 63103 - OH / Job 63103													Offset Site Error:	0.00 usft	
Survey Program:		158-, 1148-		Offset			Semi Maior Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
4,900.00	4,898.90	4,389.56	4,427.39	9.80	12.91	-68.84	987.29	-5,140.04	5,239.65	5,217.50	22.16	236.463			
5,000.00	4,998.76	4,437.12	4,473.49	10.01	13.12	-68.98	977.42	-5,146.34	5,247.32	5,224.84	22.48	233.435			
5,100.00	5,098.63	4,524.68	4,558.22	10.22	13.50	-69.25	958.95	-5,158.42	5,255.61	5,232.62	22.99	228.630			
5,200.00	5,198.49	4,639.93	4,669.76	10.44	14.02	-69.60	934.58	-5,174.14	5,263.90	5,240.27	23.63	222.776			
5,300.00	5,298.35	4,944.29	4,966.08	10.67	15.37	-70.47	874.03	-5,207.86	5,269.53	5,244.39	25.14	209.602			
5,400.00	5,398.21	5,037.89	5,057.24	10.90	15.79	-70.74	854.72	-5,216.68	5,274.15	5,248.46	25.68	205.348			
5,500.00	5,498.08	5,119.06	5,136.23	11.14	16.16	-70.98	837.74	-5,224.52	5,279.07	5,252.90	26.17	201.715			
5,600.00	5,597.94	5,195.41	5,210.54	11.39	16.51	-71.20	821.97	-5,232.15	5,284.49	5,257.86	26.64	198.402			
5,700.00	5,697.80	5,281.73	5,294.65	11.64	16.90	-71.44	804.66	-5,240.95	5,290.30	5,263.16	27.14	194.901			
5,800.00	5,797.66	5,376.25	5,386.81	11.89	17.32	-71.71	786.09	-5,250.65	5,296.36	5,268.67	27.69	191.289			
5,900.00	5,897.53	5,488.04	5,495.88	12.15	17.83	-72.02	764.22	-5,261.85	5,302.29	5,273.98	28.31	187.290			
6,000.00	5,997.39	5,563.54	5,569.62	12.41	18.17	-72.22	749.95	-5,269.50	5,308.54	5,279.78	28.76	184.555			
6,100.00	6,097.25	5,969.24	5,967.60	12.68	19.95	-73.25	677.37	-5,298.78	5,312.02	5,281.35	30.67	173.202			
6,200.00	6,197.11	6,029.00	6,026.51	12.95	20.21	-73.39	667.71	-5,301.42	5,313.27	5,282.23	31.04	171.151			
6,300.00	6,296.98	6,092.72	6,089.50	13.22	20.47	-73.52	658.55	-5,304.56	5,315.28	5,283.85	31.42	169.143			
6,400.00	6,396.84	6,160.47	6,156.69	13.50	20.74	-73.65	650.80	-5,308.25	5,318.06	5,286.25	31.81	167.185			
6,500.00	6,496.70	6,277.63	6,273.44	13.78	21.16	-73.80	643.36	-5,314.35	5,321.20	5,288.85	32.35	164.479			
6,600.00	6,596.56	6,555.92	6,551.62	14.06	22.01	-73.97	642.40	-5,320.15	5,320.93	5,287.60	33.33	159.650			
6,700.00	6,696.43	6,771.94	6,767.63	14.35	22.69	-74.10	640.69	-5,319.62	5,319.08	5,284.96	34.12	155.913			
6,800.00	6,796.29	6,852.68	6,848.36	14.64	22.94	-74.16	639.43	-5,318.77	5,316.46	5,281.96	34.50	154.089			
6,900.00	6,896.15	6,971.98	6,967.64	14.93	23.33	-74.24	637.76	-5,317.63	5,313.96	5,278.95	35.01	151.795			
7,000.00	6,996.02	7,058.00	7,053.65	15.22	23.60	-74.30	636.68	-5,316.72	5,311.36	5,275.95	35.41	150.000			
7,100.00	7,095.88	7,155.05	7,150.68	15.51	23.91	-74.36	635.31	-5,315.82	5,308.90	5,273.05	35.85	148.086			
7,200.00	7,195.74	7,254.82	7,250.43	15.81	24.24	-74.44	633.53	-5,314.96	5,306.46	5,270.16	36.30	146.184			
7,300.00	7,295.60	7,367.48	7,363.06	16.11	24.61	-74.52	631.22	-5,313.87	5,303.91	5,267.11	36.80	144.146			
7,400.00	7,395.47	7,464.93	7,460.48	16.41	24.93	-74.60	629.04	-5,312.75	5,301.18	5,263.93	37.24	142.337			
7,500.00	7,495.33	7,541.27	7,536.80	16.71	25.19	-74.66	627.21	-5,312.14	5,298.78	5,261.15	37.63	140.821			
7,600.00	7,595.19	7,621.00	7,616.50	17.02	25.45	-74.72	625.16	-5,311.87	5,296.83	5,258.81	38.02	139.310			
7,700.00	7,695.05	7,712.79	7,708.26	17.32	25.77	-74.80	622.70	-5,311.82	5,295.17	5,256.71	38.46	137.680			
7,800.00	7,794.92	7,809.00	7,804.43	17.63	26.10	-74.88	620.05	-5,311.83	5,293.58	5,254.67	38.91	136.039			
7,900.00	7,894.78	7,875.45	7,870.86	17.94	26.32	-74.94	618.29	-5,312.06	5,292.35	5,253.09	39.26	134.786			
8,000.00	7,994.64	7,942.04	7,937.43	18.25	26.55	-74.99	616.74	-5,312.69	5,291.76	5,252.14	39.62	133.572			
8,033.32	8,027.91	7,964.23	7,959.61	18.35	26.63	-75.01	616.27	-5,312.99	5,291.70	5,251.97	39.73	133.177			
8,100.00	8,094.50	8,017.44	8,012.80	18.56	26.80	-75.05	615.25	-5,313.87	5,291.78	5,251.79	40.00	132.310			
8,137.75	8,132.20	8,061.57	8,056.92	18.66	26.95	-75.08	614.61	-5,314.58	5,291.83	5,251.66	40.17	131.731			
8,200.00	8,194.40	8,134.43	8,129.77	18.84	27.19	-75.12	614.01	-5,315.59	5,291.99	5,251.52	40.47	130.771			
8,287.95	8,282.34	8,235.90	8,231.23	19.05	27.51	-85.66	614.06	-5,316.69	5,292.60	5,251.73	40.87	129.489			
8,300.00	8,294.38	8,249.58	8,244.92	19.05	27.55	-85.66	614.11	-5,316.82	5,292.71	5,251.79	40.92	129.342			
8,400.00	8,394.38	8,363.19	8,358.52	19.11	27.90	-85.65	614.80	-5,317.68	5,293.52	5,252.17	41.35	128.007			
8,500.00	8,494.38	8,440.39	8,435.72	19.18	28.15	-85.64	615.26	-5,318.31	5,294.39	5,252.70	41.69	126.989			
8,600.00	8,594.38	8,514.53	8,509.85	19.24	28.38	-85.65	615.22	-5,319.32	5,295.74	5,253.72	42.02	126.028			
8,700.00	8,694.38	8,596.63	8,591.94	19.31	28.65	-85.65	614.61	-5,320.87	5,297.55	5,255.17	42.38	124.997			
8,800.00	8,794.38	8,690.69	8,685.96	19.38	28.97	-85.67	613.08	-5,322.86	5,299.54	5,256.75	42.79	123.844			
8,900.00	8,894.38	8,784.72	8,779.94	19.45	29.29	-85.70	610.77	-5,325.02	5,301.64	5,258.44	43.20	122.716			
8,972.95	8,967.34	8,853.35	8,848.53	19.49	29.53	-85.72	609.35	-5,326.64	5,303.25	5,259.75	43.49	121.938			
8,975.00	8,969.38	8,855.28	8,850.46	19.49	29.53	5.11	609.32	-5,326.68	5,303.29	5,259.79	43.50	121.919			
9,000.00	8,994.37	8,878.80	8,873.97	19.50	29.61	5.11	608.93	-5,327.24	5,303.09	5,259.49	43.61	121.613			
9,025.00	9,019.28	8,902.29	8,897.45	19.51	29.70	5.12	608.60	-5,327.81	5,301.60	5,257.86	43.74	121.204			
9,050.00	9,044.05	8,925.67	8,920.83	19.53	29.78	5.15	608.31	-5,328.37	5,298.82	5,254.94	43.88	120.758			
9,075.00	9,068.61	8,952.58	8,947.73	19.55	29.86	5.20	608.05	-5,329.01	5,294.75	5,250.72	44.03	120.252			
9,100.00	9,092.89	8,981.26	8,976.40	19.58	29.96	5.26	607.85	-5,329.67	5,289.38	5,245.19	44.19	119.701			
9,125.00	9,116.83	9,009.55	9,004.68	19.60	30.05	5.35	607.73	-5,330.30	5,282.72	5,238.38	44.35	119.123			

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Stella Blue 30 Fed Com - 701H - OH / Job 63103 - OH / Job 63103													Offset Site Error:	0.00 usft	
Survey Program:		Reference: 158-, 1148-		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
9,150.00	9,140.35	9,037.37	9,032.50	19.63	30.14	5.45	607.70	-5,330.88	5,274.81	5,230.30	44.51	118.521			
9,175.00	9,163.41	9,064.65	9,059.77	19.66	30.23	5.57	607.75	-5,331.42	5,265.64	5,220.98	44.66	117.896			
9,200.00	9,185.92	9,091.30	9,086.41	19.69	30.32	5.72	607.88	-5,331.93	5,255.27	5,210.45	44.82	117.252			
9,225.00	9,207.84	9,117.24	9,112.35	19.73	30.40	5.90	608.07	-5,332.40	5,243.70	5,198.73	44.97	116.591			
9,250.00	9,229.10	9,155.55	9,150.65	19.77	30.52	6.12	608.41	-5,333.02	5,230.96	5,185.80	45.16	115.821			
9,275.00	9,249.64	9,194.66	9,189.76	19.82	30.64	6.37	608.72	-5,333.51	5,217.05	5,171.69	45.35	115.028			
9,300.00	9,269.40	9,232.16	9,227.25	19.87	30.76	6.67	608.99	-5,333.86	5,202.00	5,156.46	45.54	114.233			
9,325.00	9,288.34	9,267.92	9,263.01	19.92	30.87	7.01	609.21	-5,334.07	5,185.88	5,140.16	45.72	113.438			
9,350.00	9,306.40	9,301.84	9,296.93	19.99	30.97	7.41	609.40	-5,334.17	5,168.72	5,122.84	45.88	112.645			
9,375.00	9,323.53	9,333.84	9,328.93	20.06	31.07	7.89	609.55	-5,334.17	5,150.60	5,104.56	46.05	111.858			
9,400.00	9,339.68	9,340.33	9,335.42	20.13	31.10	8.40	609.53	-5,334.21	5,131.63	5,085.50	46.13	111.235			
9,425.00	9,354.81	9,356.42	9,351.51	20.22	31.15	9.02	609.53	-5,334.22	5,111.83	5,065.59	46.24	110.541			
9,450.00	9,368.88	9,371.39	9,366.48	20.31	31.20	9.77	609.50	-5,334.23	5,091.27	5,044.92	46.35	109.850			
9,475.00	9,381.85	9,385.18	9,380.28	20.41	31.24	10.68	609.45	-5,334.24	5,070.00	5,023.55	46.44	109.165			
9,500.00	9,393.69	9,397.78	9,392.87	20.53	31.28	11.79	609.39	-5,334.25	5,048.08	5,001.55	46.53	108.486			
9,525.00	9,404.35	9,409.12	9,404.22	20.66	31.32	13.19	609.31	-5,334.25	5,025.57	4,978.96	46.61	107.815			
9,550.00	9,413.82	9,419.20	9,414.29	20.79	31.35	14.99	609.23	-5,334.26	5,002.54	4,955.85	46.69	107.155			
9,575.00	9,422.06	9,427.98	9,423.07	20.95	31.38	17.36	609.15	-5,334.27	4,979.04	4,932.30	46.75	106.507			
9,600.00	9,429.06	9,435.43	9,430.52	21.11	31.41	20.62	609.07	-5,334.27	4,955.15	4,908.35	46.80	105.872			
9,625.00	9,434.79	9,441.54	9,436.63	21.29	31.43	25.31	609.00	-5,334.27	4,930.93	4,884.08	46.85	105.252			
9,650.00	9,439.24	9,446.28	9,441.37	21.48	31.44	32.49	608.95	-5,334.28	4,906.44	4,859.56	46.89	104.648			
9,675.00	9,442.40	9,449.66	9,444.75	21.68	31.45	44.23	608.90	-5,334.28	4,881.76	4,834.85	46.91	104.061			
9,700.00	9,444.25	9,451.65	9,446.74	21.89	31.46	64.04	608.88	-5,334.28	4,856.95	4,810.02	46.93	103.493			
9,725.00	9,444.80	9,452.25	9,447.34	22.12	31.46	92.81	608.87	-5,334.28	4,832.08	4,785.14	46.94	102.944			
9,727.79	9,444.78	9,452.23	9,447.32	22.14	31.46	96.19	608.87	-5,334.28	4,829.30	4,782.36	46.94	102.884			
9,800.00	9,444.05	9,451.51	9,446.60	22.87	31.46	96.10	608.88	-5,334.28	4,757.45	4,710.50	46.95	101.332			
9,900.00	9,443.03	9,450.51	9,445.60	24.04	31.46	95.98	608.89	-5,334.28	4,657.96	4,610.99	46.97	99.172			
10,000.00	9,442.02	9,449.51	9,444.60	25.38	31.45	95.86	608.91	-5,334.28	4,558.49	4,511.49	46.99	97.001			
10,100.00	9,441.01	9,448.52	9,443.60	26.86	31.45	95.74	608.92	-5,334.28	4,459.04	4,412.01	47.03	94.818			
10,200.00	9,440.00	9,447.52	9,442.61	28.45	31.45	95.62	608.93	-5,334.28	4,359.62	4,312.55	47.07	92.622			
10,300.00	9,438.98	9,446.52	9,441.61	30.13	31.44	95.50	608.94	-5,334.28	4,260.23	4,213.11	47.12	90.413			
10,400.00	9,437.97	9,445.52	9,440.61	31.90	31.44	95.38	608.96	-5,334.28	4,160.87	4,113.69	47.18	88.191			
10,500.00	9,436.96	9,444.53	9,439.61	33.72	31.44	95.26	608.97	-5,334.27	4,061.53	4,014.28	47.25	85.957			
10,600.00	9,435.95	9,443.53	9,438.62	35.60	31.43	95.14	608.98	-5,334.27	3,962.23	3,914.90	47.33	83.709			
10,700.00	9,434.94	9,442.53	9,437.62	37.53	31.43	95.02	608.99	-5,334.27	3,862.97	3,815.54	47.43	81.448			
10,800.00	9,433.92	9,441.53	9,436.62	39.50	31.43	94.90	609.00	-5,334.27	3,763.74	3,716.21	47.54	79.173			
10,900.00	9,432.91	9,440.53	9,435.62	41.50	31.42	94.78	609.01	-5,334.27	3,664.56	3,616.90	47.66	76.884			
11,000.00	9,431.90	9,439.54	9,434.63	43.53	31.42	94.66	609.03	-5,334.27	3,565.42	3,517.62	47.81	74.580			
11,100.00	9,430.89	9,438.54	9,433.63	45.58	31.42	94.54	609.04	-5,334.27	3,466.34	3,418.37	47.97	72.263			
11,200.00	9,429.87	9,437.54	9,432.63	47.65	31.41	94.42	609.05	-5,334.27	3,367.30	3,319.15	48.15	69.931			
11,300.00	9,428.86	9,436.54	9,431.63	49.75	31.41	94.30	609.06	-5,334.27	3,268.32	3,219.97	48.36	67.584			
11,400.00	9,427.85	9,435.55	9,430.64	51.86	31.41	94.18	609.07	-5,334.27	3,169.41	3,120.82	48.59	65.223			
11,500.00	9,426.84	9,434.55	9,429.64	53.98	31.40	94.06	609.08	-5,334.27	3,070.57	3,021.71	48.86	62.848			
11,600.00	9,425.82	9,433.55	9,428.64	56.12	31.40	93.94	609.09	-5,334.27	2,971.80	2,922.65	49.15	60.459			
11,700.00	9,424.81	9,432.55	9,427.64	58.27	31.40	93.82	609.10	-5,334.27	2,873.12	2,823.64	49.49	58.056			
11,800.00	9,423.80	9,431.56	9,426.65	60.42	31.39	93.70	609.11	-5,334.27	2,774.54	2,724.67	49.87	55.640			
11,900.00	9,422.79	9,430.56	9,425.65	62.59	31.39	93.58	609.12	-5,334.27	2,676.06	2,625.77	50.29	53.212			
12,000.00	9,421.77	9,429.56	9,424.65	64.77	31.39	93.46	609.13	-5,334.27	2,577.69	2,526.93	50.77	50.773			
12,100.00	9,420.76	9,428.56	9,423.65	66.95	31.38	93.34	609.14	-5,334.27	2,479.46	2,428.15	51.31	48.325			
12,200.00	9,419.75	9,427.57	9,422.66	69.14	31.38	93.22	609.15	-5,334.27	2,381.37	2,329.46	51.92	45.870			
12,300.00	9,418.74	9,426.57	9,421.66	71.34	31.38	93.10	609.16	-5,334.26	2,283.45	2,230.85	52.60	43.410			
12,400.00	9,417.73	9,425.57	9,420.66	73.54	31.38	92.97	609.17	-5,334.26	2,185.72	2,132.34	53.38	40.947			

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Stella Blue 30 Fed Com - 701H - OH / Job 63103 - OH / Job 63103												Offset Site Error:	0.00 usft
Survey Program: 158-, 1148-												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,500.00	9,416.71	9,424.57	9,419.66	75.74	31.37	92.85	609.18	-5,334.26	2,088.20	2,033.94	54.26	38.487	
12,600.00	9,415.70	9,423.57	9,418.66	77.95	31.37	92.73	609.19	-5,334.26	1,990.92	1,935.67	55.25	36.032	
12,700.00	9,414.69	9,422.58	9,417.67	80.17	31.37	92.61	609.20	-5,334.26	1,893.93	1,837.54	56.39	33.587	
12,800.00	9,413.68	9,421.58	9,416.67	82.39	31.36	92.49	609.21	-5,334.26	1,797.27	1,739.59	57.68	31.160	
12,900.00	9,412.66	9,420.58	9,415.67	84.61	31.36	92.37	609.22	-5,334.26	1,700.99	1,641.84	59.15	28.756	
13,000.00	9,411.65	9,419.58	9,414.67	86.84	31.36	92.25	609.23	-5,334.26	1,605.17	1,544.33	60.84	26.383	
13,100.00	9,410.64	9,418.59	9,413.68	89.07	31.35	92.13	609.23	-5,334.26	1,509.89	1,447.11	62.78	24.049	
13,200.00	9,409.63	9,417.59	9,412.68	91.30	31.35	92.01	609.24	-5,334.26	1,415.26	1,350.24	65.02	21.766	
13,300.00	9,408.61	9,416.59	9,411.68	93.53	31.35	91.89	609.25	-5,334.26	1,321.42	1,253.81	67.62	19.542	
13,400.00	9,407.60	9,415.59	9,410.68	95.77	31.34	91.77	609.26	-5,334.26	1,228.56	1,157.92	70.64	17.392	
13,500.00	9,406.59	9,414.59	9,409.69	98.01	31.34	91.65	609.27	-5,334.26	1,136.90	1,062.73	74.17	15.328	
13,600.00	9,405.58	9,413.60	9,408.69	100.25	31.34	91.52	609.28	-5,334.26	1,046.77	968.45	78.32	13.365	
13,700.00	9,404.57	9,412.60	9,407.69	102.49	31.33	91.40	609.28	-5,334.26	958.60	875.38	83.22	11.519	
13,800.00	9,403.55	9,411.60	9,406.69	104.74	31.33	91.28	609.29	-5,334.26	872.98	783.97	89.02	9.807	
13,900.00	9,402.54	9,410.60	9,405.69	106.99	31.33	91.16	609.30	-5,334.25	790.75	694.87	95.87	8.248	
14,000.00	9,401.53	9,409.61	9,404.70	109.24	31.32	91.04	609.31	-5,334.25	713.06	609.13	103.94	6.860	
14,100.00	9,400.52	9,408.61	9,403.70	111.49	31.32	90.92	609.31	-5,334.25	641.59	528.33	113.26	5.665	
14,200.00	9,399.50	9,407.61	9,402.70	113.74	31.32	90.80	609.32	-5,334.25	578.63	455.01	123.62	4.681	
14,300.00	9,398.49	9,406.61	9,401.70	115.99	31.31	90.68	609.33	-5,334.25	527.25	392.95	134.30	3.926	
14,400.00	9,397.48	9,405.61	9,400.71	118.24	31.31	90.56	609.34	-5,334.25	491.08	347.30	143.79	3.415	
14,500.00	9,396.47	9,404.62	9,399.71	120.50	31.31	90.44	609.34	-5,334.25	473.64	323.61	150.03	3.157	
14,534.16	9,396.12	9,404.28	9,399.37	121.27	31.31	90.39	609.35	-5,334.25	472.41	321.31	151.10	3.126 CC, ES, SF	
14,600.00	9,395.45	9,403.62	9,398.71	122.76	31.30	90.31	609.35	-5,334.25	476.97	325.52	151.45	3.149	
14,700.00	9,394.44	9,402.62	9,397.71	125.01	31.30	90.19	609.36	-5,334.25	500.67	352.58	148.09	3.381	
14,800.00	9,393.43	9,401.62	9,396.72	127.27	31.30	90.07	609.36	-5,334.25	542.06	400.60	141.47	3.832	
14,811.79	9,393.31	9,401.51	9,396.60	127.54	31.30	90.06	609.36	-5,334.25	547.94	407.38	140.56	3.898	

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Reference Depths are relative to RKB @ 3155.00usft (TBD)

Offset Depths are relative to Offset Datum

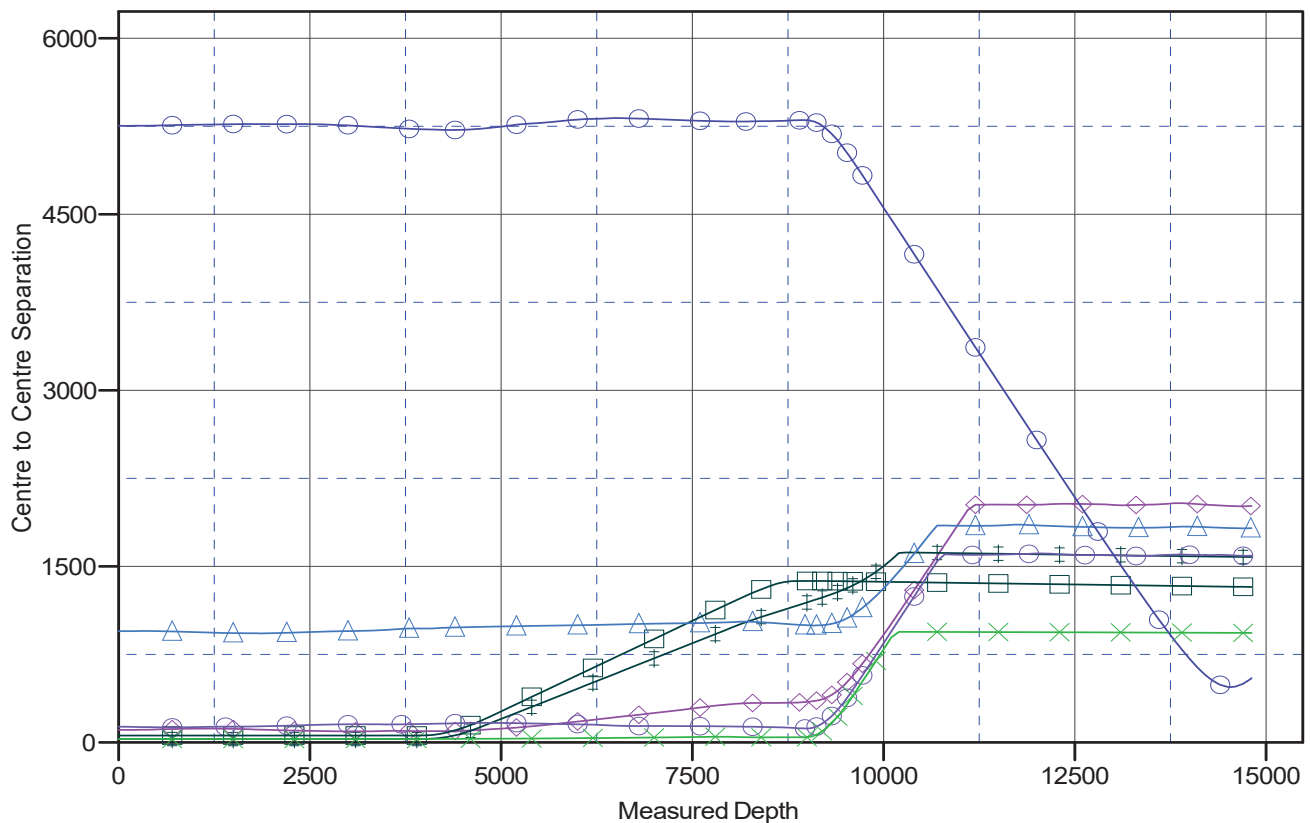
Central Meridian is 104° 19' 60.000000 W

Coordinates are relative to: 702H

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 300

Grid Convergence at Surface is: 0.28°

Ladder Plot



LEGEND

502H, OH / 6/8/10, Surveys (H&P 653) V0	506H, OH / 6/8/12, Surveys (H&P 653) V0	701H, OH / Job 63103, OH / Job 63103 V0
703H, OH, Plan 1 12-14-21 V0	701H, OH, Plan 1 12-14-21 V0	
501H, OH, Plan 1 12-14-21 V0	504H, OH / 6/8/11, Surveys (H&P 653) V0	

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Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3155.00usft (TBD)
Reference Site:	Phantom Bank 31 Fed Com	MD Reference:	RKB @ 3155.00usft (TBD)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	702H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Reference Depths are relative to RKB @ 3155.00usft (TBD)

Offset Depths are relative to Offset Datum

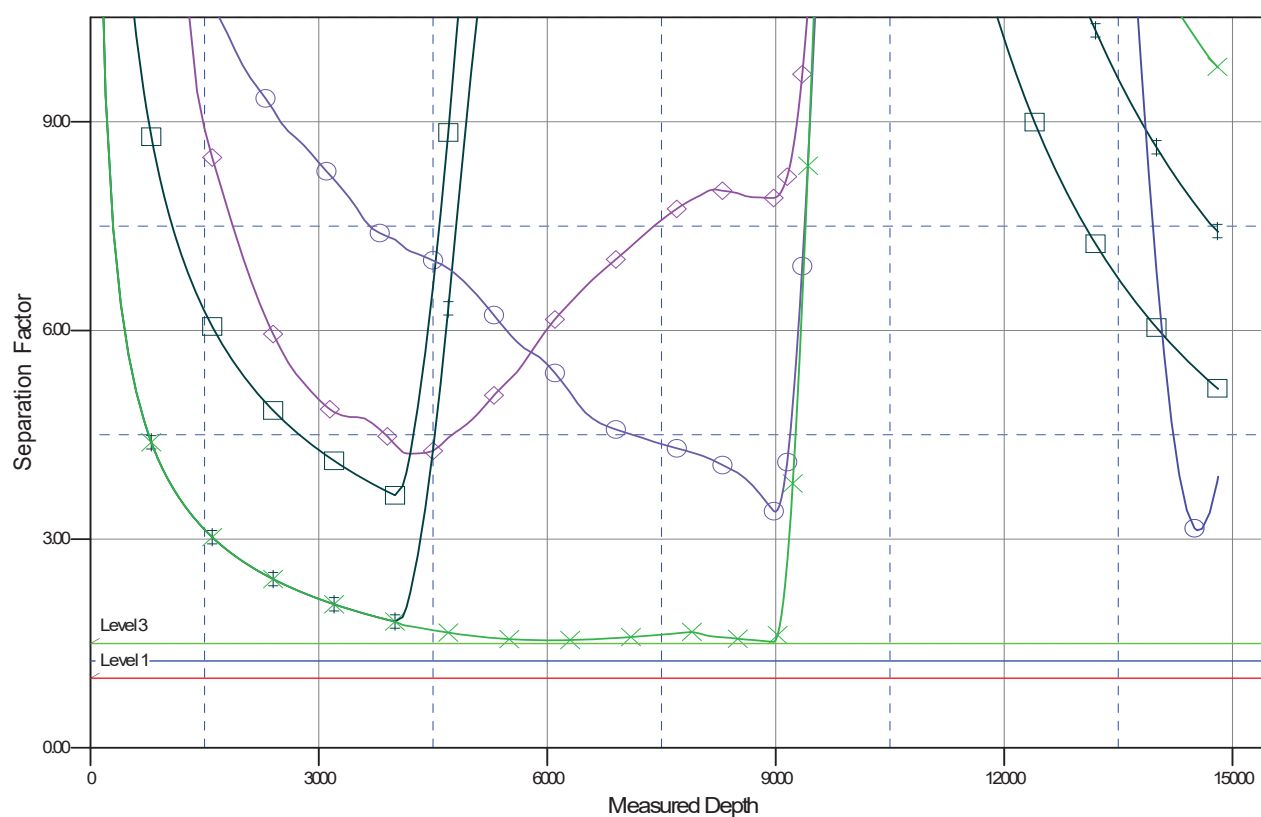
Central Meridian is 104° 19' 60.000000 W

Coordinates are relative to: 702H

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 300

Grid Convergence at Surface is: 0.28°

Separation Factor Plot



LEGEND

502H, OH / 6/8/10, Surveys (H&P 653) V0	506H, OH / 6/8/12, Surveys (H&P 653) V0	701H, OH / Job 63103, OH / Job 63103 V0
703H, OH, Plan 1 12-14-21 V0	704H, OH, Plan 1 12-14-21 V0	
501H, OH, Plan 1 12-14-21 V0	504H, OH / 6/8/11, Surveys (H&P 653) V0	

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

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

CONDITIONS

Action 73958

CONDITIONS

Operator: Flat Creek Resources, LLC 777 Main St. Fort Worth, TX 76102	OGRID: 374034
	Action Number: 73958
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
kpickford	No NSL required	1/20/2022
kpickford	Adhere to Previous NMOCD conditions of approval	1/20/2022