

Well Name: PHANTOM BANK 31 FED COM	Well Location: T26S / R31E / SEC 32 / NWNW /	County or Parish/State:
Well Number: 703H	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: 2649020

Type of Submission: Notice of Intent	Type of Action: Other
Date Sundry Submitted: 12/15/2021	Time Sundry Submitted: 01:28
Date proposed operation will begin: 02/01/2022	

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

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- 5.5_TCBC_HT_6.3_OD_20211215132755.pdf
- 5.5_TCBC_HT_5.9_OD_20211215132755.pdf
- Phantom_Bank_31_Fed_Com_703H__Plan_1_12_14_21_AC_Report_20211215132725.pdf
- Phantom_Bank_31_Fed_Com_703H__Plan_1_12_14_21_20211215132725.pdf
- 703H_Casing_design_factors_20211215132724.xlsx
- Phantom_Bank_31_Fed_Com_703H_GeoProg_20211215132639.pdf
- Phantom_Bank_31_Fed_Com_Pad_1_No.703H__Road_Plat_12_10_21_20211215132522.pdf
- PHANTOM_BANK_31_FED_COM_703H_C_102_Cert_12_10_21_20211215132522.pdf

Well Name: PHANTOM BANK 31 FED COM	Well Location: T26S / R31E / SEC 32 / NWNW /	County or Parish/State:
Well Number: 703H	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_20211215132522.pdf

Sundry_703H_Produced_Water_Disposal_20211215132459.docx

Sundry_703H_Drilling_Plan_20211215132459.docx

Sundry_703H_Surface_Use_Plan_of_Operations_20211215132459.docx

Sundry_703H_Application_20211215132459.docx

Conditions of Approval

Additional Reviews

32_26_31_D_Sundry_ID_2649020_Phantom_Bank_31_Fed_Com_703H_Eddy_NM138868_Flat_Creek_Resources_LL
C_13_22c_5_12_2021_LV_20220106121740.pdf

Phantom_Bank_31_Fed_Com_703H_Dr_Sundry_ID_2649020_20220106121740.pdf

Sundry_703H_Drilling_Plan_20220106121740.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 01:28 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: 703H	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 **WC 015 G 06**

¹ API Number 30-015-49202	² Pool Code 97814 98319	³ Pool Name WILDCAT 015 G-06 S242630A; BONESPRING S242630A; Bone Spring
⁴ Property Code 327168	⁵ Property Name PHANTOM BANK 31 FED COM	
⁷ OGRID No. 374034	⁸ Operator Name FLAT CREEK RESOURCES, LLC	⁶ Well Number 703H
		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.		670'	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
L2	31	26 SOUTH	31 EAST, N.M.P.M.		430'	SOUTH	30'	WEST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
264.48			

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.

¹⁶ PROPOSED LAST TAKE POINT X= 657,479' Y= 364,540' NAD 27 LAT. 32.001217° N LONG. 103.825323° W X= 698,666' Y= 364,597' NAD83/86 LAT. 32.001343° N LONG. 103.825798° W PROPOSED FIRST TAKE POINT X= 662,613' Y= 364,567' NAD 27 LAT. 32.001223° N LONG. 103.808763° W X= 703,800' Y= 364,624' NAD83/86 LAT. 32.001348° N LONG. 103.809237° W 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 H - Y=364152.16, X=665379.32 PROPOSED BOTTOM HOLE LOCATION X= 657,409' Y= 364,540' NAD 27 LAT. 32.001217° N LONG. 103.825549° W X= 698,596' Y= 364,597' NAD83/86 LAT. 32.001343° N LONG. 103.826024° W PHANTOM BANK 31 FED COM NO. 703H WELL X= 663,007' Y= 365,652' NAD 27 LAT. 32.004202° N LONG. 103.807475° W X= 704,194' Y= 365,709' NAD83/86 LAT. 32.004328° N LONG. 103.807949° W ELEV. +3129' NAVD88	¹⁷ OPERATOR CERTIFICATION 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</i> 12/15/2021 Signature Date Rodney Littleton Printed Name rodney.littleton@flatcreekresources.com E-mail Address
	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 12/03/2021 Date of Survey <i>Robert L. Lastrapes</i> Signature and Seal of Professional Surveyor ROBERT L. LASTRAPES NEW MEXICO 23006 12/10/2021 Certificate Number

Sundry Notice Detail - Application**Phantom Bank 31 Fed Com 703H****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; Wolf Camp 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 02/01/2022

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	350' FWL 650' FNL (Sec 32)	300' FWL 670' FNL (Sec 32)
KOP change	350' FWL 650' FNL (Sec 32)	296' FWL 430' FSL (Sec 32)
PPP Change	100' FEL 698' FNL (Sec 31)	100' FEL 430' FSL (Sec 31)
Exit Change	100' FWL 698' FNL (Sec 31)	100' FWL 430' FSL (Sec 31)
BHL Change	30' FWL 698' FNL (Sec 31)	30' FWL 430' FSL (Sec 31)

(Revisions are on new plat and on Sundry)

Sundry Notice Detail – Drilling Plan

Phantom Bank 31 Fed Com 703H

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 15,891')
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: No change

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: 703H
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	3RD BONE SPRING SHALE	-6660	9815	
14	3RD BONE SPRING SHALE TARGET	-7234	10389	
	TD	-7172	10327	

KOP
PP

ANTICIPATED BHP: 5714 PSI
ANTICIPATED BHT: 182 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	NO
LIMESTONE, SILTSTONE & SHALE	OIL & GAS	YES
LIMESTONE, SILTSTONE & SHALE	OIL & GAS	YES

Phantom Bank 31 Fed Com

Well: 703H

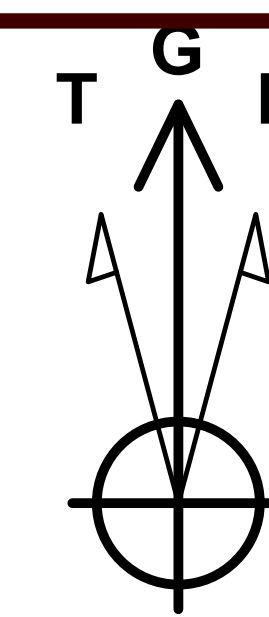
Casing Design Data

	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	15981
Bottom Setting Depth TVD	720	8000		7700	10326
Bottom Setting Depth MSL	2409	-4871		-4571	-7197
Calculated Casing Length MD	720	8000		7700	8281
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"

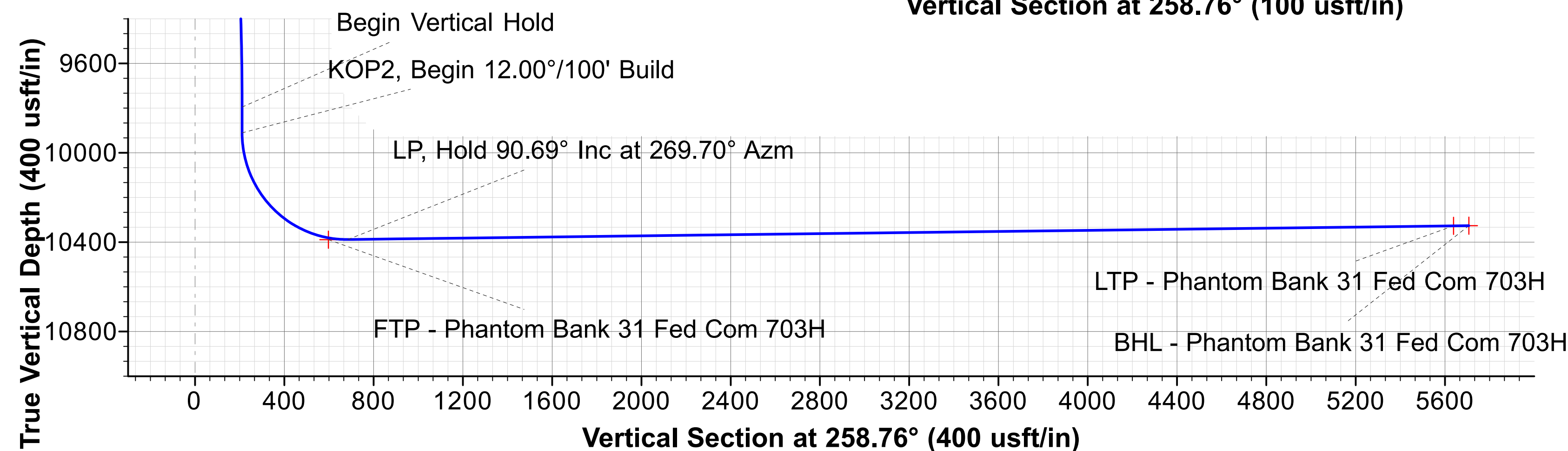


PHOENIX

TECHNOLOGY SERVICES



Magnetic Field
Strength: 47415.8nT
Dip Angle: 59.49°
Date: 2/13/2022
Model: MVHD



WELL DETAILS						
			3129.00			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	365652.00	663007.00	32° 0' 15.123936 N	103° 48' 26.908408 W	

SECTION DETAILS											
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	V Sect	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
2	4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	0.00		KOP, Begin 2.00°/100' Build
3	4700.21	12.00	180.00	4695.83	-62.65	0.00	2.00	180.00	12.21		Hold 12.00° Inc at 180.00° Azm
4	9304.74	12.00	180.00	9199.67	-1020.31	-0.03	0.00	0.00	198.82		Begin 2.00°/100' Drop
5	9904.95	0.00	0.00	9795.50	-1082.96	-0.03	2.00	180.00	211.03		Begin Vertical Hold
6	10019.95	0.00	0.00	9910.50	-1082.96	-0.03	0.00	0.00	211.03		KOP2, Begin 12.00°/100' Build
7	10775.70	90.69	269.70	10387.93	-1085.46	-483.24	12.00	269.70	685.47		LP, Hold 90.69° Inc at 269.70° Azm
8	15890.90	90.69	269.70	10326.33	-1112.00	-5598.00	0.00	0.00	5707.38	BHL - Phantom Bank 31 Fed Com 703H	TD at 15890.90

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
BHL - Phantom Bank 31 Fed Com 703H	10326.33	-1112.00	-5598.00	364540.00	657409.00	32° 0' 4.384055 N	103° 49' 31.979547 W
LTP - Phantom Bank 31 Fed Com 703H	10327.17	-1112.00	-5528.00	364540.00	657479.00	32° 0' 4.380801 N	103° 49' 31.166652 W
FTP - Phantom Bank 31 Fed Com 703H	10389.00	-1085.00	-394.00	364567.00	662613.00	32° 0' 4.405375 N	103° 48' 31.545125 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 703H, Grid North

 Latitude: 32° 0' 15.123936 N
 Longitude: 103° 48' 26.908408 W

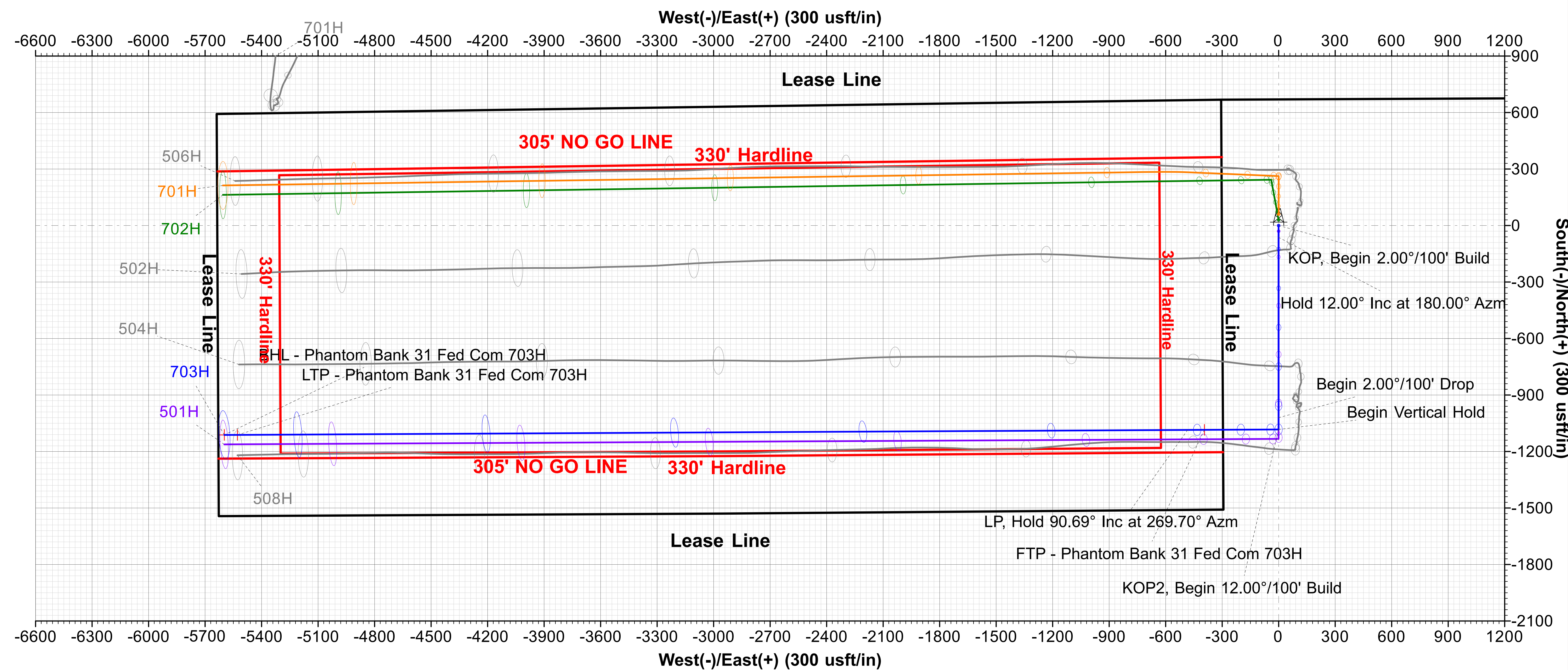
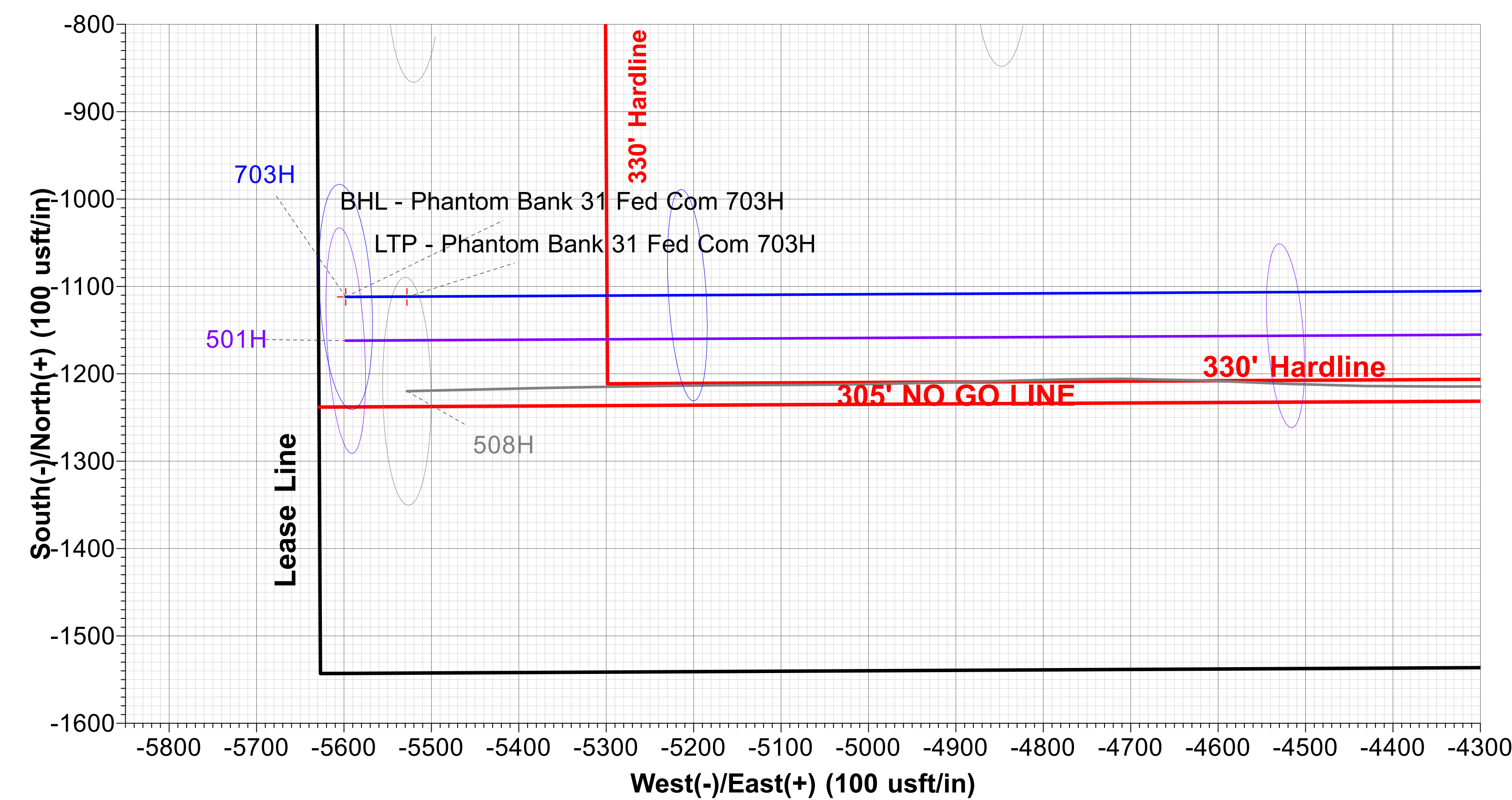
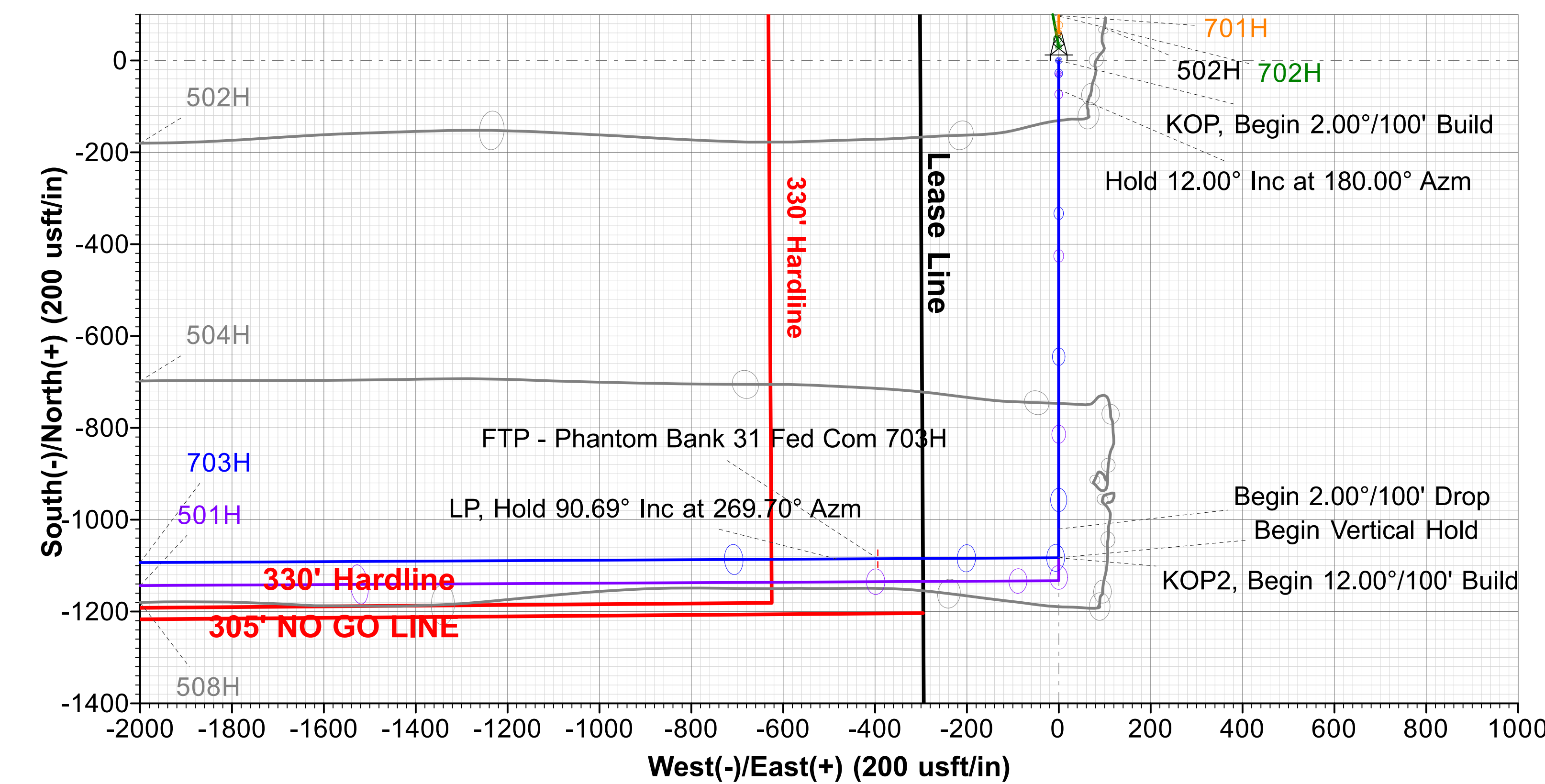
 Grid East: 663007.00
 Grid North: 365652.00
 Scale Factor: 1.000

 Geomagnetic Model: MVHD
 Sample Date: 13-Feb-22
 Magnetic Declination: 6.45°
 Dip Angle from Horizontal: 59.49°
 Magnetic Field Strength: 47415.75518454nT

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
- 508H, OH / 67813, Surveys (H&P 653) V0
- 702H, OH, Plan 1 12-14-21 V0
- 5011H, 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

703H

OH

Plan: Plan 1 12-14-21

Standard Planning Report

14 December, 2021





Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 703H
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:	703H	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	703H		
Well Position	+N/-S	863.00 usft	Northing: 365,652.00 usft
	+E/-W	-5.00 usft	Easting: 663,007.00 usft
Position Uncertainty	1.00 usft	Wellhead Elevation:	Latitude: 32° 0' 15.123936 N
			Longitude: 103° 48' 26.908408 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) 47,415.75518454

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 (°) 258.76

Plan Survey Tool Program	Date	12/14/2021		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	15,890.57	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	
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,700.21	12.00	180.00	4,695.83	-62.65	0.00	2.00	2.00	0.00	180.00	
9,304.74	12.00	180.00	9,199.67	-1,020.31	-0.03	0.00	0.00	0.00	0.00	
9,904.95	0.00	0.00	9,795.50	-1,082.96	-0.03	2.00	-2.00	0.00	180.00	
10,019.95	0.00	0.00	9,910.50	-1,082.96	-0.03	0.00	0.00	0.00	0.00	
10,775.70	90.69	269.70	10,387.93	-1,085.46	-483.24	12.00	12.00	0.00	269.70	
15,890.90	90.69	269.70	10,326.33	-1,112.00	-5,598.00	0.00	0.00	0.00	0.00	BHL - Phantom Bank



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 703H
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:	703H	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
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP, Begin 2.00°/100' Build									
4,200.00	2.00	180.00	4,199.98	-1.75	0.00	0.34	2.00	2.00	0.00
4,300.00	4.00	180.00	4,299.84	-6.98	0.00	1.36	2.00	2.00	0.00
4,400.00	6.00	180.00	4,399.45	-15.69	0.00	3.06	2.00	2.00	0.00
4,500.00	8.00	180.00	4,498.70	-27.88	0.00	5.43	2.00	2.00	0.00
4,600.00	10.00	180.00	4,597.47	-43.52	0.00	8.48	2.00	2.00	0.00
4,700.00	12.00	180.00	4,695.62	-62.60	0.00	12.20	2.00	2.00	0.00
4,700.21	12.00	180.00	4,695.83	-62.65	0.00	12.21	2.00	2.00	0.00
Hold 12.00° Inc at 180.00° Azm									
4,800.00	12.00	180.00	4,793.44	-83.40	0.00	16.25	0.00	0.00	0.00
4,900.00	12.00	180.00	4,891.25	-104.20	0.00	20.30	0.00	0.00	0.00
5,000.00	12.00	180.00	4,989.06	-125.00	0.00	24.36	0.00	0.00	0.00
5,100.00	12.00	180.00	5,086.88	-145.80	0.00	28.41	0.00	0.00	0.00
5,200.00	12.00	180.00	5,184.69	-166.59	0.00	32.46	0.00	0.00	0.00
5,300.00	12.00	180.00	5,282.50	-187.39	-0.01	36.52	0.00	0.00	0.00
5,400.00	12.00	180.00	5,380.32	-208.19	-0.01	40.57	0.00	0.00	0.00
5,500.00	12.00	180.00	5,478.13	-228.99	-0.01	44.62	0.00	0.00	0.00
5,600.00	12.00	180.00	5,575.94	-249.79	-0.01	48.67	0.00	0.00	0.00
5,700.00	12.00	180.00	5,673.76	-270.59	-0.01	52.73	0.00	0.00	0.00
5,800.00	12.00	180.00	5,771.57	-291.38	-0.01	56.78	0.00	0.00	0.00
5,900.00	12.00	180.00	5,869.38	-312.18	-0.01	60.83	0.00	0.00	0.00
6,000.00	12.00	180.00	5,967.20	-332.98	-0.01	64.89	0.00	0.00	0.00
6,100.00	12.00	180.00	6,065.01	-353.78	-0.01	68.94	0.00	0.00	0.00
6,200.00	12.00	180.00	6,162.82	-374.58	-0.01	72.99	0.00	0.00	0.00
6,300.00	12.00	180.00	6,260.64	-395.38	-0.01	77.04	0.00	0.00	0.00
6,400.00	12.00	180.00	6,358.45	-416.17	-0.01	81.10	0.00	0.00	0.00
6,500.00	12.00	180.00	6,456.26	-436.97	-0.01	85.15	0.00	0.00	0.00
6,600.00	12.00	180.00	6,554.07	-457.77	-0.01	89.20	0.00	0.00	0.00
6,700.00	12.00	180.00	6,651.89	-478.57	-0.01	93.26	0.00	0.00	0.00
6,800.00	12.00	180.00	6,749.70	-499.37	-0.01	97.31	0.00	0.00	0.00
6,900.00	12.00	180.00	6,847.51	-520.17	-0.02	101.36	0.00	0.00	0.00
7,000.00	12.00	180.00	6,945.33	-540.96	-0.02	105.41	0.00	0.00	0.00
7,100.00	12.00	180.00	7,043.14	-561.76	-0.02	109.47	0.00	0.00	0.00
7,200.00	12.00	180.00	7,140.95	-582.56	-0.02	113.52	0.00	0.00	0.00
7,300.00	12.00	180.00	7,238.77	-603.36	-0.02	117.57	0.00	0.00	0.00
7,400.00	12.00	180.00	7,336.58	-624.16	-0.02	121.63	0.00	0.00	0.00
7,500.00	12.00	180.00	7,434.39	-644.95	-0.02	125.68	0.00	0.00	0.00
7,600.00	12.00	180.00	7,532.21	-665.75	-0.02	129.73	0.00	0.00	0.00
7,700.00	12.00	180.00	7,630.02	-686.55	-0.02	133.78	0.00	0.00	0.00
7,800.00	12.00	180.00	7,727.83	-707.35	-0.02	137.84	0.00	0.00	0.00
7,900.00	12.00	180.00	7,825.65	-728.15	-0.02	141.89	0.00	0.00	0.00
8,000.00	12.00	180.00	7,923.46	-748.95	-0.02	145.94	0.00	0.00	0.00
8,100.00	12.00	180.00	8,021.27	-769.74	-0.02	150.00	0.00	0.00	0.00
8,200.00	12.00	180.00	8,119.09	-790.54	-0.02	154.05	0.00	0.00	0.00
8,300.00	12.00	180.00	8,216.90	-811.34	-0.02	158.10	0.00	0.00	0.00
8,400.00	12.00	180.00	8,314.71	-832.14	-0.02	162.15	0.00	0.00	0.00
8,500.00	12.00	180.00	8,412.53	-852.94	-0.03	166.21	0.00	0.00	0.00
8,600.00	12.00	180.00	8,510.34	-873.74	-0.03	170.26	0.00	0.00	0.00
8,700.00	12.00	180.00	8,608.15	-894.53	-0.03	174.31	0.00	0.00	0.00
8,800.00	12.00	180.00	8,705.97	-915.33	-0.03	178.37	0.00	0.00	0.00
8,900.00	12.00	180.00	8,803.78	-936.13	-0.03	182.42	0.00	0.00	0.00



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 703H
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:	703H	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	12.00	180.00	8,901.59	-956.93	-0.03	186.47	0.00	0.00	0.00
9,100.00	12.00	180.00	8,999.41	-977.73	-0.03	190.52	0.00	0.00	0.00
9,200.00	12.00	180.00	9,097.22	-998.53	-0.03	194.58	0.00	0.00	0.00
9,300.00	12.00	180.00	9,195.03	-1,019.32	-0.03	198.63	0.00	0.00	0.00
9,304.74	12.00	180.00	9,199.67	-1,020.31	-0.03	198.82	0.00	0.00	0.00
Begin 2.00°/100' Drop									
9,400.00	10.10	180.00	9,293.16	-1,038.57	-0.03	202.38	2.00	-2.00	0.00
9,500.00	8.10	180.00	9,391.89	-1,054.38	-0.03	205.46	2.00	-2.00	0.00
9,600.00	6.10	180.00	9,491.12	-1,066.74	-0.03	207.87	2.00	-2.00	0.00
9,700.00	4.10	180.00	9,590.72	-1,075.63	-0.03	209.60	2.00	-2.00	0.00
9,800.00	2.10	180.00	9,690.57	-1,081.03	-0.03	210.66	2.00	-2.00	0.00
9,900.00	0.10	180.00	9,790.55	-1,082.95	-0.03	211.03	2.00	-2.00	0.00
9,904.95	0.00	0.00	9,795.50	-1,082.96	-0.03	211.03	2.00	-2.00	3,637.90
Begin Vertical Hold									
10,019.95	0.00	0.00	9,910.50	-1,082.96	-0.03	211.03	0.00	0.00	0.00
KOP2, Begin 12.00°/100' Build									
10,100.00	9.61	269.70	9,990.17	-1,082.99	-6.73	217.60	12.00	12.00	0.00
10,200.00	21.61	269.70	10,086.31	-1,083.13	-33.58	243.97	12.00	12.00	0.00
10,300.00	33.61	269.70	10,174.76	-1,083.37	-79.83	289.38	12.00	12.00	0.00
10,400.00	45.61	269.70	10,251.67	-1,083.70	-143.47	351.86	12.00	12.00	0.00
10,500.00	57.61	269.70	10,313.66	-1,084.11	-221.70	428.67	12.00	12.00	0.00
10,600.00	69.61	269.70	10,358.03	-1,084.57	-311.11	516.46	12.00	12.00	0.00
10,700.00	81.61	269.70	10,382.85	-1,085.07	-407.79	611.39	12.00	12.00	0.00
10,775.70	90.69	269.70	10,387.93	-1,085.46	-483.24	685.47	12.00	12.00	0.00
LP, Hold 90.69° Inc at 269.70° Azm									
10,800.00	90.69	269.70	10,387.63	-1,085.59	-507.54	709.33	0.00	0.00	0.00
10,900.00	90.69	269.70	10,386.43	-1,086.11	-607.53	807.50	0.00	0.00	0.00
11,000.00	90.69	269.70	10,385.22	-1,086.63	-707.52	905.68	0.00	0.00	0.00
11,100.00	90.69	269.70	10,384.02	-1,087.15	-807.51	1,003.85	0.00	0.00	0.00
11,200.00	90.69	269.70	10,382.82	-1,087.66	-907.51	1,102.03	0.00	0.00	0.00
11,300.00	90.69	269.70	10,381.61	-1,088.18	-1,007.50	1,200.21	0.00	0.00	0.00
11,400.00	90.69	269.70	10,380.41	-1,088.70	-1,107.49	1,298.38	0.00	0.00	0.00
11,500.00	90.69	269.70	10,379.20	-1,089.22	-1,207.48	1,396.56	0.00	0.00	0.00
11,600.00	90.69	269.70	10,378.00	-1,089.74	-1,307.47	1,494.73	0.00	0.00	0.00
11,700.00	90.69	269.70	10,376.80	-1,090.26	-1,407.46	1,592.91	0.00	0.00	0.00
11,800.00	90.69	269.70	10,375.59	-1,090.78	-1,507.45	1,691.09	0.00	0.00	0.00
11,900.00	90.69	269.70	10,374.39	-1,091.30	-1,607.45	1,789.26	0.00	0.00	0.00
12,000.00	90.69	269.70	10,373.18	-1,091.81	-1,707.44	1,887.44	0.00	0.00	0.00
12,100.00	90.69	269.70	10,371.98	-1,092.33	-1,807.43	1,985.62	0.00	0.00	0.00
12,200.00	90.69	269.70	10,370.77	-1,092.85	-1,907.42	2,083.79	0.00	0.00	0.00
12,300.00	90.69	269.70	10,369.57	-1,093.37	-2,007.41	2,181.97	0.00	0.00	0.00
12,400.00	90.69	269.70	10,368.37	-1,093.89	-2,107.40	2,280.14	0.00	0.00	0.00
12,500.00	90.69	269.70	10,367.16	-1,094.41	-2,207.39	2,378.32	0.00	0.00	0.00
12,600.00	90.69	269.70	10,365.96	-1,094.93	-2,307.39	2,476.50	0.00	0.00	0.00
12,700.00	90.69	269.70	10,364.75	-1,095.45	-2,407.38	2,574.67	0.00	0.00	0.00
12,800.00	90.69	269.70	10,363.55	-1,095.96	-2,507.37	2,672.85	0.00	0.00	0.00
12,900.00	90.69	269.70	10,362.35	-1,096.48	-2,607.36	2,771.03	0.00	0.00	0.00
13,000.00	90.69	269.70	10,361.14	-1,097.00	-2,707.35	2,869.20	0.00	0.00	0.00
13,100.00	90.69	269.70	10,359.94	-1,097.52	-2,807.34	2,967.38	0.00	0.00	0.00
13,200.00	90.69	269.70	10,358.73	-1,098.04	-2,907.33	3,065.55	0.00	0.00	0.00
13,300.00	90.69	269.70	10,357.53	-1,098.56	-3,007.33	3,163.73	0.00	0.00	0.00
13,400.00	90.69	269.70	10,356.32	-1,099.08	-3,107.32	3,261.91	0.00	0.00	0.00
13,500.00	90.69	269.70	10,355.12	-1,099.60	-3,207.31	3,360.08	0.00	0.00	0.00



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 703H
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:	703H	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)	
13,600.00	90.69	269.70	10,353.92	-1,100.12	-3,307.30	3,458.26	0.00	0.00	0.00	
13,700.00	90.69	269.70	10,352.71	-1,100.63	-3,407.29	3,556.44	0.00	0.00	0.00	
13,800.00	90.69	269.70	10,351.51	-1,101.15	-3,507.28	3,654.61	0.00	0.00	0.00	
13,900.00	90.69	269.70	10,350.30	-1,101.67	-3,607.27	3,752.79	0.00	0.00	0.00	
14,000.00	90.69	269.70	10,349.10	-1,102.19	-3,707.27	3,850.96	0.00	0.00	0.00	
14,100.00	90.69	269.70	10,347.90	-1,102.71	-3,807.26	3,949.14	0.00	0.00	0.00	
14,200.00	90.69	269.70	10,346.69	-1,103.23	-3,907.25	4,047.32	0.00	0.00	0.00	
14,300.00	90.69	269.70	10,345.49	-1,103.75	-4,007.24	4,145.49	0.00	0.00	0.00	
14,400.00	90.69	269.70	10,344.28	-1,104.27	-4,107.23	4,243.67	0.00	0.00	0.00	
14,500.00	90.69	269.70	10,343.08	-1,104.78	-4,207.22	4,341.85	0.00	0.00	0.00	
14,600.00	90.69	269.70	10,341.87	-1,105.30	-4,307.21	4,440.02	0.00	0.00	0.00	
14,700.00	90.69	269.70	10,340.67	-1,105.82	-4,407.21	4,538.20	0.00	0.00	0.00	
14,800.00	90.69	269.70	10,339.47	-1,106.34	-4,507.20	4,636.37	0.00	0.00	0.00	
14,900.00	90.69	269.70	10,338.26	-1,106.86	-4,607.19	4,734.55	0.00	0.00	0.00	
15,000.00	90.69	269.70	10,337.06	-1,107.38	-4,707.18	4,832.73	0.00	0.00	0.00	
15,100.00	90.69	269.70	10,335.85	-1,107.90	-4,807.17	4,930.90	0.00	0.00	0.00	
15,200.00	90.69	269.70	10,334.65	-1,108.42	-4,907.16	5,029.08	0.00	0.00	0.00	
15,300.00	90.69	269.70	10,333.45	-1,108.93	-5,007.15	5,127.26	0.00	0.00	0.00	
15,400.00	90.69	269.70	10,332.24	-1,109.45	-5,107.14	5,225.43	0.00	0.00	0.00	
15,500.00	90.69	269.70	10,331.04	-1,109.97	-5,207.14	5,323.61	0.00	0.00	0.00	
15,600.00	90.69	269.70	10,329.83	-1,110.49	-5,307.13	5,421.78	0.00	0.00	0.00	
15,700.00	90.69	269.70	10,328.63	-1,111.01	-5,407.12	5,519.96	0.00	0.00	0.00	
15,800.00	90.69	269.70	10,327.42	-1,111.53	-5,507.11	5,618.14	0.00	0.00	0.00	
15,890.90	90.69	269.70	10,326.33	-1,112.00	-5,598.00	5,707.38	0.00	0.00	0.00	
TD at 15890.90										

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	10,326.33	-1,112.00	-5,598.00	364,540.00	657,409.00	32° 0' 4.384055 N 103° 49' 31.979548 W		
LTP - Phantom Bank 31 - plan misses target center by 20.90usft at 15800.00usft MD (10327.42 TVD, -1111.53 N, -5507.11 E) - Point	0.00	0.00	10,327.17	-1,112.00	-5,528.00	364,540.00	657,479.00	32° 0' 4.380801 N 103° 49' 31.166652 W		
FTP - Phantom Bank 31 - plan misses target center by 8.30usft at 10688.15usft MD (10380.97 TVD, -1085.01 N, -396.09 E) - Point	0.00	0.00	10,389.00	-1,085.00	-394.00	364,567.00	662,613.00	32° 0' 4.405375 N 103° 48' 31.545125 W		

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
15,890.90	10,326.33	20" Casing	20	24	



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 703H
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:	703H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 12-14-21		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
4,100.00	4,100.00	0.00	0.00	KOP, Begin 2.00°/100' Build
4,700.21	4,695.83	-62.65	0.00	Hold 12.00° Inc at 180.00° Azm
9,304.74	9,199.67	-1,020.31	-0.03	Begin 2.00°/100' Drop
9,904.95	9,795.50	-1,082.96	-0.03	Begin Vertical Hold
10,019.95	9,910.50	-1,082.96	-0.03	KOP2, Begin 12.00°/100' Build
10,775.70	10,387.93	-1,085.46	-483.24	LP, Hold 90.69° Inc at 269.70° Azm
15,890.90	10,326.33	-1,112.00	-5,598.00	TD at 15890.90



Flat Creek Resources, LLC

Eddy County, NM (NAD27 NME)

Phantom Bank 31 Fed Com

703H

OH

Plan 1 12-14-21

Anticollision Report

14 December, 2021





Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 703H
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:	703H	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	15,890.57	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	30.00	13.47	1.815	CC, ES, SF
502H - OH / 67810 - Surveys (H&P 653)	4,351.27	4,356.08	93.18	70.18	4.051	CC, ES
502H - OH / 67810 - Surveys (H&P 653)	4,400.00	4,404.78	93.34	70.18	4.031	SF
504H - OH / 67811 - Surveys (H&P 653)	8,175.61	8,088.48	114.48	80.39	3.358	CC, ES
504H - OH / 67811 - Surveys (H&P 653)	8,200.00	8,112.16	114.63	80.40	3.349	SF
506H - OH / 67812 - Surveys (H&P 653)	777.62	784.19	149.52	140.79	17.126	CC
506H - OH / 67812 - Surveys (H&P 653)	800.00	806.21	149.55	140.72	16.930	ES
506H - OH / 67812 - Surveys (H&P 653)	15,890.90	16,485.00	1,500.93	1,262.17	6.286	SF
508H - OH / 67813 - Surveys (H&P 653)	10,012.36	9,893.60	135.82	84.02	2.622	CC, ES
508H - OH / 67813 - Surveys (H&P 653)	10,019.95	9,901.09	135.82	84.02	2.622	SF
701H - OH - Plan 1 12-14-21	4,000.00	4,000.00	60.00	43.47	3.631	CC, ES, SF
702H - 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	15,626.86	10,355.14	1,722.02	1,564.65	10.942	CC, ES
701H - OH / Job 63103 - OH / Job 63103	15,800.00	10,357.76	1,730.70	1,570.80	10.824	SF

Offset Design:		Phantom Bank 31 Fed Com - 501H - OH - Plan 1 12-14-21											Offset Site Error:		0.00 usft	
Survey Program:		O-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	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				

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 703H
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:	703H	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	
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
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	4,100.00	4,098.92	4,098.90	8.38	8.37	-180.00	-31.71	0.00	31.73	14.98	16.75	1.894	
4,200.00	4,199.98	4,197.71	4,197.55	8.49	8.73	0.00	-36.84	0.00	35.18	17.97	17.20	2.045	
4,300.00	4,299.84	4,296.37	4,295.84	8.85	9.09	0.00	-45.35	0.00	38.58	20.69	17.90	2.156	
4,400.00	4,399.45	4,394.93	4,393.67	9.21	9.46	0.00	-57.24	0.00	41.95	23.36	18.59	2.257	
4,500.00	4,498.70	4,493.37	4,490.92	9.57	9.83	0.00	-72.48	0.00	45.28	25.99	19.28	2.348	
4,600.00	4,597.47	4,591.70	4,587.48	9.95	10.20	0.00	-91.04	0.00	48.55	28.56	19.99	2.429	
4,700.00	4,695.62	4,689.93	4,683.24	10.32	10.59	0.00	-112.88	0.00	51.78	31.07	20.70	2.501	
4,700.21	4,695.83	4,690.13	4,683.44	10.32	10.59	0.00	-112.93	0.00	51.78	31.08	20.71	2.501	
4,800.00	4,793.44	4,788.73	4,778.83	10.56	10.78	0.00	-137.88	0.00	56.40	35.30	21.11	2.672	
4,900.00	4,891.25	4,888.60	4,875.29	10.73	10.97	0.00	-163.73	0.00	61.64	40.16	21.48	2.870	
5,000.00	4,989.06	4,988.46	4,971.75	10.92	11.18	0.00	-189.59	-0.01	66.87	44.97	21.90	3.054	
5,100.00	5,086.88	5,088.32	5,068.21	11.12	11.40	0.00	-215.44	-0.01	72.10	49.75	22.35	3.225	
5,200.00	5,184.69	5,188.19	5,164.67	11.34	11.65	0.00	-241.30	-0.01	77.34	54.49	22.85	3.385	
5,300.00	5,282.50	5,288.05	5,261.12	11.58	11.91	0.00	-267.15	-0.01	82.57	59.20	23.37	3.533	
5,400.00	5,380.32	5,387.91	5,357.58	11.83	12.18	0.00	-293.00	-0.01	87.81	63.88	23.92	3.670	
5,500.00	5,478.13	5,487.77	5,454.04	12.09	12.47	0.00	-318.86	-0.01	93.04	68.54	24.51	3.797	
5,600.00	5,575.94	5,587.64	5,550.50	12.37	12.78	0.00	-344.71	-0.01	98.28	73.16	25.11	3.913	
5,700.00	5,673.76	5,687.50	5,646.96	12.66	13.09	0.00	-370.57	-0.01	103.51	77.77	25.75	4.021	
5,800.00	5,771.57	5,787.36	5,743.42	12.96	13.41	0.00	-396.42	-0.01	108.75	82.35	26.40	4.119	
5,900.00	5,869.38	5,887.23	5,839.87	13.27	13.75	0.00	-422.28	-0.01	113.98	86.90	27.08	4.210	
6,000.00	5,967.20	5,987.09	5,936.33	13.59	14.10	0.00	-448.13	-0.01	119.21	91.44	27.77	4.293	
6,100.00	6,065.01	6,086.95	6,032.79	13.92	14.45	0.00	-473.98	-0.02	124.45	95.96	28.48	4.369	
6,200.00	6,162.82	6,186.82	6,129.25	14.25	14.81	0.00	-499.84	-0.02	129.68	100.47	29.21	4.439	

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 703H
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:	703H	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
Rule Assigned:												Warning	
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	
10,275.00	10,153.59	9,700.00	9,420.41	29.46	27.48	-4.79	-1,134.65	-325.87	779.38	738.82	40.56	19.217	
10,300.00	10,174.76	9,700.00	9,420.41	29.48	27.48	-4.59	-1,134.65	-325.87	795.11	754.51	40.61	19.580	
10,325.00	10,195.21	9,709.71	9,423.40	29.49	27.53	-4.37	-1,134.69	-335.10	810.15	769.44	40.71	19.899	
10,350.00	10,214.88	9,725.00	9,427.73	29.51	27.60	-4.16	-1,134.77	-349.77	824.56	783.72	40.85	20.187	
10,375.00	10,233.72	9,725.00	9,427.73	29.53	27.60	-4.03	-1,134.77	-349.77	838.02	797.11	40.91	20.486	
10,400.00	10,251.67	9,725.00	9,427.73	29.55	27.60	-3.90	-1,134.77	-349.77	850.91	809.94	40.97	20.769	
10,425.00	10,268.68	9,740.54	9,431.64	29.58	27.68	-3.75	-1,134.85	-364.81	862.82	821.71	41.11	20.987	
10,450.00	10,284.71	9,750.00	9,433.78	29.62	27.73	-3.64	-1,134.90	-374.02	874.05	832.82	41.23	21.201	
10,475.00	10,299.72	9,750.00	9,433.78	29.66	27.73	-3.55	-1,134.90	-374.02	884.53	843.24	41.29	21.420	
10,500.00	10,313.66	9,764.54	9,436.72	29.71	27.82	-3.45	-1,134.97	-388.27	894.07	852.63	41.44	21.576	
10,525.00	10,326.49	9,775.00	9,438.56	29.77	27.88	-3.37	-1,135.02	-398.56	902.86	861.30	41.56	21.723	
10,550.00	10,338.19	9,775.00	9,438.56	29.84	27.88	-3.31	-1,135.02	-398.56	910.87	869.23	41.63	21.878	
10,575.00	10,348.71	9,789.08	9,440.68	29.92	27.97	-3.24	-1,135.10	-412.48	917.93	876.15	41.78	21.971	
10,600.00	10,358.03	9,800.00	9,442.05	30.01	28.04	-3.19	-1,135.15	-423.31	924.22	882.31	41.91	22.053	
10,625.00	10,366.13	9,800.00	9,442.05	30.11	28.04	-3.15	-1,135.15	-423.31	929.68	887.70	41.98	22.144	
10,650.00	10,372.97	9,813.98	9,443.43	30.22	28.13	-3.11	-1,135.22	-437.23	934.21	892.08	42.13	22.174	
10,675.00	10,378.55	9,825.00	9,444.23	30.35	28.21	-3.08	-1,135.28	-448.21	937.93	895.67	42.27	22.192	
10,700.00	10,382.85	9,825.00	9,444.23	30.48	28.21	-3.06	-1,135.28	-448.21	940.82	898.49	42.34	22.221	
10,725.00	10,385.85	9,839.11	9,444.89	30.63	28.31	-3.05	-1,135.35	-462.31	942.76	900.27	42.49	22.187	
10,750.00	10,387.54	9,850.00	9,445.11	30.79	28.39	-3.04	-1,135.41	-473.19	943.89	901.27	42.63	22.144	
10,775.00	10,387.93	9,859.14	9,445.11	30.96	28.46	-3.04	-1,135.46	-482.33	944.14	901.40	42.75	22.086	
10,800.00	10,387.63	9,874.55	9,444.95	31.14	28.58	-3.04	-1,135.54	-497.74	944.06	901.17	42.89	22.013	
10,900.00	10,386.43	9,974.55	9,443.94	31.96	29.48	-3.04	-1,136.06	-597.73	943.86	900.22	43.64	21.627	
11,000.00	10,385.22	10,074.55	9,442.93	32.94	30.53	-3.04	-1,136.58	-697.72	943.67	899.22	44.45	21.231	
11,100.00	10,384.02	10,174.55	9,441.91	34.05	31.72	-3.04	-1,137.09	-797.72	943.48	898.18	45.30	20.829	
11,200.00	10,382.82	10,274.54	9,440.90	35.27	33.02	-3.04	-1,137.61	-897.71	943.29	897.11	46.18	20.425	
11,300.00	10,381.61	10,374.54	9,439.89	36.60	34.43	-3.04	-1,138.13	-997.70	943.10	895.99	47.11	20.020	
11,400.00	10,380.41	10,474.54	9,438.88	38.02	35.92	-3.04	-1,138.65	-1,097.70	942.91	894.84	48.07	19.617	
11,500.00	10,379.20	10,574.54	9,437.86	39.52	37.50	-3.04	-1,139.17	-1,197.69	942.71	893.66	49.06	19.217	
11,600.00	10,378.00	10,674.54	9,436.85	41.09	39.14	-3.04	-1,139.69	-1,297.68	942.52	892.45	50.08	18.821	
11,700.00	10,376.80	10,774.54	9,435.84	42.73	40.84	-3.04	-1,140.21	-1,397.68	942.33	891.20	51.13	18.431	
11,800.00	10,375.59	10,874.54	9,434.83	44.42	42.59	-3.04	-1,140.73	-1,497.67	942.14	889.94	52.20	18.047	
11,900.00	10,374.39	10,974.54	9,433.82	46.16	44.40	-3.04	-1,141.25	-1,597.66	941.95	888.64	53.31	17.671	
12,000.00	10,373.18	11,074.54	9,432.80	47.95	46.24	-3.04	-1,141.76	-1,697.66	941.76	887.33	54.43	17.302	
12,100.00	10,371.98	11,174.54	9,431.79	49.77	48.12	-3.04	-1,142.28	-1,797.65	941.56	885.99	55.58	16.941	
12,200.00	10,370.77	11,274.54	9,430.78	51.64	50.03	-3.04	-1,142.80	-1,897.64	941.37	884.62	56.75	16.588	
12,300.00	10,369.57	11,374.54	9,429.77	53.53	51.97	-3.05	-1,143.32	-1,997.64	941.18	883.24	57.94	16.245	
12,400.00	10,368.37	11,474.54	9,428.75	55.45	53.94	-3.05	-1,143.84	-2,097.63	940.99	881.85	59.14	15.910	
12,500.00	10,367.16	11,574.54	9,427.74	57.40	55.93	-3.05	-1,144.36	-2,197.62	940.80	880.43	60.37	15.584	
12,600.00	10,365.96	11,674.54	9,426.73	59.38	57.95	-3.05	-1,144.88	-2,297.62	940.61	879.00	61.61	15.267	
12,700.00	10,364.75	11,774.54	9,425.72	61.37	59.98	-3.05	-1,145.40	-2,397.61	940.42	877.55	62.87	14.959	
12,800.00	10,363.55	11,874.54	9,424.70	63.38	62.03	-3.05	-1,145.91	-2,497.60	940.22	876.08	64.14	14.659	
12,900.00	10,362.35	11,974.54	9,423.69	65.41	64.09	-3.05	-1,146.43	-2,597.60	940.03	874.61	65.42	14.368	
13,000.00	10,361.14	12,074.54	9,422.68	67.46	66.17	-3.05	-1,146.95	-2,697.59	939.84	873.12	66.72	14.086	
13,100.00	10,359.94	12,174.54	9,421.67	69.52	68.26	-3.05	-1,147.47	-2,797.58	939.65	871.62	68.03	13.812	
13,200.00	10,358.73	12,274.54	9,420.66	71.60	70.37	-3.05	-1,147.99	-2,897.58	939.46	870.10	69.35	13.546	
13,300.00	10,357.53	12,374.54	9,419.64	73.68	72.48	-3.05	-1,148.51	-2,997.57	939.27	868.58	70.69	13.288	
13,400.00	10,356.32	12,474.54	9,418.63	75.78	74.61	-3.05	-1,149.03	-3,097.56	939.07	867.05	72.03	13.038	
13,500.00	10,355.12	12,574.54	9,417.62	77.89	76.74	-3.05	-1,149.55	-3,197.56	938.88	865.50	73.38	12.795	
13,600.00	10,353.92	12,674.54	9,416.61	80.01	78.89	-3.05	-1,150.06	-3,297.55	938.69	863.95	74.74	12.559	
13,700.00	10,352.71	12,774.54	9,415.59	82.14	81.04	-3.05	-1,150.58	-3,397.54	938.50	862.39	76.11	12.331	
13,800.00	10,351.51	12,874.54	9,414.58	84.27	83.19	-3.05	-1,151.10	-3,497.54	938.31	860.82	77.49	12.109	

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 703H
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:	703H	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)			
13,900.00	10,350.30	12,974.54	9,413.57	86.42	85.36	-3.06	-1,151.62	-3,597.53	938.12	859.24	78.88	11.894	
14,000.00	10,349.10	13,074.54	9,412.56	88.57	87.53	-3.06	-1,152.14	-3,697.53	937.92	857.66	80.27	11.685	
14,100.00	10,347.90	13,174.54	9,411.55	90.73	89.70	-3.06	-1,152.66	-3,797.52	937.73	856.06	81.67	11.482	
14,200.00	10,346.69	13,274.54	9,410.53	92.89	91.89	-3.06	-1,153.18	-3,897.51	937.54	854.47	83.08	11.285	
14,300.00	10,345.49	13,374.54	9,409.52	95.06	94.07	-3.06	-1,153.70	-3,997.51	937.35	852.86	84.49	11.094	
14,400.00	10,344.28	13,474.54	9,408.51	97.23	96.26	-3.06	-1,154.21	-4,097.50	937.16	851.25	85.91	10.909	
14,500.00	10,343.08	13,574.54	9,407.50	99.41	98.46	-3.06	-1,154.73	-4,197.49	936.97	849.63	87.33	10.729	
14,600.00	10,341.87	13,674.54	9,406.48	101.60	100.66	-3.06	-1,155.25	-4,297.49	936.77	848.01	88.76	10.554	
14,700.00	10,340.67	13,774.54	9,405.47	103.78	102.86	-3.06	-1,155.77	-4,397.48	936.58	846.38	90.20	10.384	
14,800.00	10,339.47	13,874.54	9,404.46	105.98	105.07	-3.06	-1,156.29	-4,497.47	936.39	844.75	91.64	10.218	
14,900.00	10,338.26	13,974.54	9,403.45	108.17	107.28	-3.06	-1,156.81	-4,597.47	936.20	843.11	93.08	10.057	
15,000.00	10,337.06	14,074.54	9,402.43	110.37	109.49	-3.06	-1,157.33	-4,697.46	936.01	841.47	94.53	9.901	
15,100.00	10,335.85	14,174.54	9,401.42	112.58	111.71	-3.06	-1,157.85	-4,797.45	935.82	839.83	95.99	9.749	
15,200.00	10,334.65	14,274.54	9,400.41	114.78	113.93	-3.06	-1,158.37	-4,897.45	935.62	838.18	97.45	9.601	
15,300.00	10,333.45	14,374.54	9,399.40	116.99	116.15	-3.06	-1,158.88	-4,997.44	935.43	836.52	98.91	9.458	
15,400.00	10,332.24	14,474.54	9,398.39	119.21	118.37	-3.06	-1,159.40	-5,097.43	935.24	834.87	100.37	9.317	
15,500.00	10,331.04	14,574.54	9,397.37	121.42	120.60	-3.07	-1,159.92	-5,197.43	935.05	833.21	101.84	9.181	
15,600.00	10,329.83	14,674.54	9,396.36	123.64	122.83	-3.07	-1,160.44	-5,297.42	934.86	831.54	103.32	9.048	
15,700.00	10,328.63	14,774.54	9,395.35	125.86	125.06	-3.07	-1,160.96	-5,397.41	934.67	829.87	104.79	8.919	
15,800.00	10,327.42	14,874.54	9,394.34	128.08	127.29	-3.07	-1,161.48	-5,497.41	934.47	828.20	106.27	8.793	
15,890.90	10,326.33	14,965.43	9,393.42	129.40	129.32	-3.07	-1,161.95	-5,588.30	934.30	827.00	107.30	8.708	

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 703H
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:	703H	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 (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	1.49	-0.01	1.00	1.00	54.35	71.00	99.00	121.83				
100.00	100.00	101.09	99.58	1.09	1.22	54.23	71.32	98.98	122.00	119.69	2.31	52.915	
200.00	200.00	200.67	199.16	1.60	1.72	53.85	72.26	98.93	122.51	119.20	3.31	37.006	
300.00	300.00	300.09	298.57	2.01	2.20	53.24	73.86	98.87	123.42	119.24	4.18	29.506	
400.00	400.00	399.34	397.80	2.35	2.56	52.57	75.89	99.14	124.87	120.02	4.85	25.728	
500.00	500.00	501.22	499.67	2.65	2.95	52.26	77.07	99.58	125.92	120.40	5.52	22.805	
600.00	600.00	598.47	596.91	2.93	3.47	52.01	78.35	100.32	127.33	121.05	6.29	20.257	
700.00	700.00	698.08	696.47	3.18	4.21	51.31	81.18	101.35	129.90	122.67	7.23	17.975	
800.00	800.00	797.85	796.17	3.41	4.88	50.15	85.03	101.89	132.77	124.68	8.09	16.414	
900.00	900.00	898.82	897.04	3.64	5.14	48.71	89.31	101.69	135.37	126.82	8.55	15.825	
1,000.00	1,000.00	999.57	997.75	3.85	5.42	47.73	92.25	101.50	137.18	128.17	9.01	15.227	
1,100.00	1,100.00	1,100.98	1,099.14	4.05	5.67	47.37	93.81	101.91	138.51	128.96	9.56	14.494	
1,200.00	1,200.00	1,203.61	1,201.78	4.24	6.04	47.55	93.26	101.95	138.18	127.93	10.25	13.482	
1,300.00	1,300.00	1,304.49	1,302.62	4.43	7.15	48.16	90.93	101.56	136.34	125.23	11.11	12.270	
1,400.00	1,400.00	1,404.33	1,402.43	4.61	8.43	48.76	88.64	101.10	134.48	122.47	12.01	11.200	
1,500.00	1,500.00	1,504.33	1,502.41	4.78	8.94	49.36	86.40	100.67	132.68	120.15	12.52	10.594	
1,600.00	1,600.00	1,604.37	1,602.42	4.95	9.19	50.12	83.89	100.39	130.85	117.87	12.97	10.086	
1,700.00	1,700.00	1,704.52	1,702.53	5.12	9.42	50.98	81.18	100.16	128.95	115.53	13.42	9.609	
1,800.00	1,800.00	1,804.68	1,802.65	5.28	9.66	51.84	78.40	99.78	126.93	113.06	13.86	9.157	
1,900.00	1,900.00	1,905.01	1,902.93	5.44	9.88	52.74	75.48	99.22	124.70	110.41	14.29	8.725	
2,000.00	2,000.00	2,005.28	2,003.16	5.59	10.10	53.68	72.37	98.44	122.22	107.50	14.72	8.302	
2,100.00	2,100.00	2,105.24	2,103.06	5.75	10.32	54.70	69.12	97.62	119.65	104.50	15.15	7.899	
2,200.00	2,200.00	2,205.12	2,202.89	5.89	10.53	55.81	65.79	96.85	117.12	101.54	15.57	7.521	
2,300.00	2,300.00	2,304.81	2,302.52	6.04	10.74	56.94	62.61	96.18	114.79	98.79	15.99	7.177	
2,400.00	2,400.00	2,404.61	2,402.28	6.19	10.95	58.05	59.63	95.62	112.71	96.30	16.41	6.868	
2,500.00	2,500.00	2,504.60	2,502.22	6.33	11.16	59.16	56.74	95.03	110.70	93.88	16.82	6.582	
2,600.00	2,600.00	2,604.35	2,601.93	6.47	11.36	60.29	53.89	94.44	108.76	91.54	17.22	6.315	
2,700.00	2,700.00	2,703.86	2,701.39	6.61	11.55	61.59	51.00	94.30	107.22	89.60	17.62	6.086	
2,800.00	2,800.00	2,803.67	2,801.17	6.74	11.75	63.02	48.13	94.53	106.08	88.07	18.01	5.891	
2,900.00	2,900.00	2,903.72	2,901.18	6.88	11.94	64.22	45.65	94.52	104.97	86.59	18.38	5.710	
3,000.00	3,000.00	3,003.54	3,000.98	7.01	12.13	65.21	43.56	94.33	103.91	85.16	18.75	5.543	
3,100.00	3,100.00	3,103.27	3,100.69	7.14	12.31	66.13	41.73	94.28	103.10	84.00	19.10	5.398	
3,200.00	3,200.00	3,202.95	3,200.36	7.27	12.49	67.15	39.84	94.54	102.59	83.14	19.44	5.276	
3,294.35	3,294.35	3,296.97	3,294.35	7.39	12.66	68.48	37.57	95.28	102.42	82.65	19.77	5.181	
3,300.00	3,300.00	3,302.61	3,299.98	7.40	12.67	68.57	37.42	95.34	102.42	82.63	19.79	5.176	
3,400.00	3,400.00	3,402.34	3,399.66	7.52	12.86	70.30	34.58	96.59	102.59	82.47	20.12	5.098	
3,500.00	3,500.00	3,502.17	3,499.44	7.65	13.04	72.23	31.45	98.17	103.09	82.63	20.46	5.039	
3,600.00	3,600.00	3,603.10	3,600.31	7.77	13.22	74.00	28.44	99.22	103.22	82.43	20.78	4.966	
3,700.00	3,700.00	3,703.90	3,701.08	7.90	13.40	75.38	25.87	99.16	102.49	81.38	21.10	4.856	
3,800.00	3,800.00	3,804.25	3,801.39	8.02	13.57	76.59	23.49	98.50	101.27	79.85	21.43	4.727	
3,900.00	3,900.00	3,904.57	3,901.69	8.14	13.73	77.71	21.23	97.44	99.74	78.00	21.74	4.587	
4,000.00	4,000.00	4,004.88	4,001.97	8.26	13.89	78.58	19.38	95.93	97.89	75.83	22.05	4.438	
4,100.00	4,100.00	4,104.92	4,101.98	8.38	14.04	79.22	17.91	94.07	95.78	73.41	22.36	4.283	
4,200.00	4,199.98	4,204.71	4,201.74	8.49	14.20	-100.97	16.11	92.41	94.14	71.53	22.62	4.163	
4,300.00	4,299.84	4,304.77	4,301.77	8.55	14.37	-103.05	14.01	90.90	93.32	70.45	22.87	4.080	
4,351.27	4,350.94	4,356.08	4,353.06	9.04	14.46	-105.01	13.02	90.00	93.18	70.18	23.00	4.051 CC, ES	
4,400.00	4,399.45	4,404.78	4,401.74	9.21	14.54	-107.42	12.16	89.06	93.34	70.18	23.15	4.031 SF	
4,500.00	4,498.70	4,503.71	4,500.64	9.57	14.74	-113.64	10.41	87.25	95.31	71.80	23.51	4.054	
4,600.00	4,597.47	4,602.12	4,599.02	9.95	14.96	-120.75	8.37	86.35	100.75	76.77	23.98	4.202	
4,700.00	4,695.62	4,700.95	4,697.83	10.32	15.20	-128.33	6.23	85.73	109.97	85.38	24.58	4.473	
4,700.21	4,695.83	4,701.16	4,698.04	10.32	15.20	-128.35	6.23	85.73	109.99	85.40	24.59	4.474	
4,800.00	4,793.44	4,799.47	4,796.33	10.56	15.45	-135.67	4.38	84.47	121.85	96.65	25.21	4.834	

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 703H
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:	703H	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	
4,900.00	4,891.25	4,897.30	4,894.13	10.73	15.71	-141.75	2.77	82.95	135.40	109.60	25.80	5.248		
5,000.00	4,989.06	4,995.05	4,991.86	10.92	15.97	-146.70	1.36	81.57	150.43	124.06	26.37	5.704		
5,100.00	5,086.88	5,092.79	5,089.58	11.12	16.20	-150.59	-0.06	80.66	166.59	139.69	26.90	6.193		
5,200.00	5,184.69	5,190.67	5,187.44	11.34	16.44	-153.57	-1.66	80.46	183.54	156.12	27.42	6.693		
5,300.00	5,282.50	5,288.88	5,285.65	11.58	16.69	-156.03	-3.27	80.36	200.92	172.97	27.96	7.187		
5,400.00	5,380.32	5,387.10	5,383.85	11.83	16.94	-158.17	-4.81	80.00	218.58	190.08	28.50	7.670		
5,500.00	5,478.13	5,485.38	5,482.12	12.09	17.20	-160.04	-6.32	79.40	236.44	207.38	29.05	8.138		
5,600.00	5,575.94	5,584.07	5,580.80	12.37	17.46	-161.69	-7.88	78.63	254.42	224.80	29.61	8.591		
5,700.00	5,673.76	5,683.72	5,680.42	12.66	17.71	-162.95	-10.12	78.54	272.13	241.96	30.18	9.018		
5,800.00	5,771.57	5,782.67	5,779.33	12.96	17.96	-163.86	-13.07	79.26	289.49	258.75	30.75	9.416		
5,900.00	5,869.38	5,880.55	5,877.16	13.27	18.21	-164.62	-15.96	80.17	306.98	275.65	31.32	9.801		
6,000.00	5,967.20	5,979.31	5,975.87	13.59	18.47	-165.31	-18.79	81.02	324.59	292.68	31.92	10.171		
6,100.00	6,065.01	6,078.81	6,075.32	13.92	18.74	-166.04	-21.76	81.23	341.97	309.45	32.53	10.513		
6,200.00	6,162.82	6,177.50	6,173.97	14.25	19.02	-166.79	-24.81	80.85	359.17	326.01	33.16	10.832		
6,300.00	6,260.64	6,275.79	6,272.21	14.60	19.30	-167.50	-27.78	80.21	376.43	342.63	33.80	11.138		
6,400.00	6,358.45	6,373.99	6,370.37	14.95	19.58	-168.17	-30.69	79.50	393.78	359.33	34.44	11.433		
6,500.00	6,456.26	6,472.19	6,468.52	15.31	19.87	-168.75	-33.60	79.02	411.22	376.13	35.09	11.717		
6,600.00	6,554.07	6,570.95	6,567.23	15.68	20.15	-169.29	-36.53	78.47	428.69	392.94	35.75	11.991		
6,700.00	6,651.89	6,669.78	6,666.02	16.05	20.44	-169.86	-39.46	77.34	446.09	409.68	36.42	12.250		
6,800.00	6,749.70	6,767.64	6,763.82	16.42	20.72	-170.41	-42.32	76.03	463.54	426.46	37.08	12.501		
6,900.00	6,847.51	6,865.51	6,861.65	16.81	21.01	-170.89	-45.11	74.95	481.15	443.40	37.75	12.747		
7,000.00	6,945.33	6,964.37	6,960.46	17.19	21.29	-171.33	-47.95	74.00	498.77	460.35	38.42	12.981		
7,100.00	7,043.14	7,063.19	7,059.23	17.58	21.58	-171.73	-50.90	73.15	516.33	477.22	39.11	13.203		
7,200.00	7,140.95	7,161.64	7,157.64	17.98	21.87	-172.07	-53.92	72.54	533.86	494.07	39.79	13.416		
7,300.00	7,238.77	7,260.17	7,256.12	18.38	22.16	-172.35	-56.99	72.26	551.40	510.92	40.48	13.621		
7,400.00	7,336.58	7,358.87	7,354.77	18.78	22.45	-172.61	-60.12	72.01	568.91	527.73	41.18	13.816		
7,500.00	7,434.39	7,457.17	7,453.02	19.19	22.73	-172.87	-63.25	71.68	586.40	544.52	41.88	14.003		
7,600.00	7,532.21	7,554.77	7,550.57	19.60	23.02	-173.12	-66.25	71.19	604.00	561.42	42.57	14.187		
7,700.00	7,630.02	7,652.24	7,647.99	20.01	23.31	-173.38	-69.09	70.54	621.74	578.47	43.27	14.369		
7,800.00	7,727.83	7,749.56	7,745.28	20.42	23.59	-173.63	-71.76	69.85	639.65	595.69	43.96	14.550		
7,900.00	7,825.65	7,844.71	7,840.40	20.84	23.85	-173.85	-74.15	69.21	657.82	613.19	44.63	14.738		
8,000.00	7,923.46	7,937.73	7,933.40	21.26	24.10	-174.04	-75.86	68.99	676.69	631.41	45.28	14.945		
8,100.00	8,021.27	8,029.79	8,025.45	21.68	24.24	-174.19	-76.85	69.11	696.35	650.53	45.82	15.198		
8,200.00	8,119.09	8,120.87	8,116.53	22.11	24.29	-174.35	-76.95	69.02	716.93	670.67	46.26	15.498		
8,300.00	8,216.90	8,215.88	8,211.54	22.54	24.29	-174.53	-76.26	68.73	738.31	691.63	46.68	15.816		
8,400.00	8,314.71	8,315.76	8,311.42	22.97	24.26	-174.68	-75.69	68.87	759.59	712.50	47.08	16.132		
8,500.00	8,412.53	8,414.92	8,410.57	23.40	24.25	-174.79	-75.41	69.30	780.62	733.10	47.51	16.430		
8,600.00	8,510.34	8,513.51	8,509.17	23.83	24.26	-174.95	-75.18	68.93	801.53	753.57	47.95	16.715		
8,700.00	8,608.15	8,622.93	8,618.58	24.26	24.40	-175.18	-75.50	67.78	821.90	773.33	48.57	16.921		
8,800.00	8,705.97	8,737.99	8,733.61	24.70	24.60	-175.38	-78.04	66.69	840.40	791.13	49.27	17.059		
8,900.00	8,803.78	8,835.62	8,831.19	25.14	24.89	-175.53	-81.08	65.80	858.02	808.02	50.00	17.161		
9,000.00	8,901.59	8,934.46	8,929.96	25.58	25.18	-175.68	-84.19	64.86	875.61	824.88	50.73	17.261		
9,100.00	8,999.41	9,034.26	9,029.71	26.02	25.48	-175.84	-87.43	63.75	893.09	841.63	51.46	17.354		
9,200.00	9,097.22	9,134.44	9,129.83	26.46	25.78	-176.01	-90.83	62.47	910.43	858.23	52.20	17.441		
9,300.00	9,195.03	9,235.63	9,230.95	26.91	26.07	-176.13	-94.56	61.73	927.52	874.57	52.95	17.517		
9,304.74	9,199.67	9,240.43	9,235.74	26.93	26.09	-176.13	-94.74	61.72	928.32	875.34	52.99	17.520		
9,400.00	9,293.16	9,329.46	9,324.71	27.37	26.36	-176.21	-98.19	61.75	942.94	889.26	53.68	17.566		
9,500.00	9,391.89	9,413.01	9,408.22	27.87	26.62	-176.27	-100.30	61.78	956.22	901.83	54.39	17.581		
9,600.00	9,491.12	9,500.34	9,495.55	28.35	26.89	-176.33	-101.09	61.68	967.64	912.55	55.09	17.566		
9,700.00	9,590.72	9,605.78	9,600.99	28.80	27.18	-176.36	-101.89	61.78	975.75	919.91	55.85	17.472		
9,800.00	9,690.57	9,710.52	9,705.72	29.21	27.44	-176.36	-103.31	62.27	979.82	923.27	56.55	17.328		
9,900.00	9,790.55	9,813.87	9,809.04	29.37	27.68	-176.31	-105.14	63.03	980.02	923.05	56.97	17.203		

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 703H
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:	703H	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)			
9,904.95	9,795.50	9,818.98	9,814.16	29.37	27.70	3.69	-105.24	63.08	979.93	922.94	56.99	17.196	
10,000.00	9,890.55	9,912.63	9,907.78	29.42	27.89	3.75	-107.10	63.88	978.10	920.87	57.24	17.089	
10,019.95	9,910.50	9,931.70	9,926.85	29.42	27.93	3.76	-107.43	64.00	977.76	920.49	57.27	17.073	
10,025.00	9,915.55	9,936.54	9,931.68	29.42	27.93	94.07	-107.51	64.02	977.68	920.40	57.28	17.069	
10,050.00	9,940.53	9,962.23	9,957.37	29.42	27.99	94.17	-107.95	64.14	977.33	919.99	57.35	17.043	
10,075.00	9,965.43	9,989.79	9,984.93	29.43	28.06	94.36	-108.47	64.24	977.03	919.60	57.43	17.012	
10,100.00	9,990.17	10,017.19	10,012.33	29.43	28.13	94.62	-109.06	64.30	976.77	919.25	57.52	16.981	
10,125.00	10,014.70	10,044.36	10,039.49	29.43	28.20	94.96	-109.71	64.32	976.57	918.96	57.61	16.952	
10,150.00	10,038.95	10,071.22	10,066.34	29.43	28.26	95.36	-110.43	64.31	976.45	918.75	57.69	16.924	
10,166.70	10,054.95	10,088.96	10,084.07	29.44	28.31	95.66	-110.94	64.29	976.42	918.67	57.75	16.907	
10,175.00	10,062.84	10,097.71	10,092.81	29.44	28.33	95.82	-111.21	64.27	976.43	918.65	57.78	16.899	
10,200.00	10,086.31	10,123.75	10,118.84	29.44	28.39	96.32	-112.04	64.20	976.54	918.68	57.87	16.876	
10,225.00	10,109.30	10,147.03	10,142.11	29.45	28.45	96.82	-112.83	64.12	976.84	918.91	57.94	16.860	
10,250.00	10,131.75	10,167.71	10,162.78	29.46	28.51	97.28	-113.50	64.05	977.44	919.44	58.00	16.853	
10,275.00	10,153.59	10,187.83	10,182.89	29.46	28.56	97.74	-114.12	64.01	978.38	920.32	58.05	16.853	
10,300.00	10,174.76	10,207.31	10,202.36	29.48	28.62	98.19	-114.69	63.99	979.69	921.59	58.10	16.861	
10,325.00	10,195.21	10,226.11	10,221.15	29.49	28.67	98.61	-115.21	63.98	981.42	923.27	58.15	16.877	
10,350.00	10,214.88	10,244.17	10,239.21	29.51	28.72	99.00	-115.68	63.99	983.60	925.41	58.19	16.904	
10,375.00	10,233.72	10,261.45	10,256.48	29.53	28.77	99.34	-116.10	64.01	986.27	928.05	58.22	16.941	
10,400.00	10,251.67	10,277.88	10,272.91	29.55	28.81	99.63	-116.48	64.05	989.46	931.22	58.24	16.989	
10,425.00	10,268.68	10,293.44	10,288.46	29.58	28.85	99.84	-116.82	64.09	993.20	934.95	58.25	17.049	
10,450.00	10,284.71	10,308.07	10,303.09	29.62	28.89	99.97	-117.12	64.14	997.53	939.27	58.26	17.123	
10,475.00	10,299.72	10,323.00	10,318.02	29.66	28.93	100.07	-117.41	64.20	1,002.46	944.20	58.26	17.207	
10,500.00	10,313.66	10,334.82	10,329.83	29.71	28.96	99.96	-117.63	64.25	1,008.02	949.80	58.23	17.312	
10,525.00	10,326.49	10,346.90	10,341.91	29.77	28.99	99.81	-117.84	64.30	1,014.22	956.03	58.19	17.428	
10,550.00	10,338.19	10,357.90	10,352.91	29.84	29.01	99.53	-118.03	64.35	1,021.07	962.93	58.15	17.560	
10,575.00	10,348.71	10,367.79	10,362.80	29.92	29.04	99.12	-118.19	64.39	1,028.58	970.49	58.09	17.707	
10,600.00	10,358.03	10,376.54	10,371.55	30.01	29.06	98.57	-118.33	64.42	1,036.74	978.72	58.02	17.869	
10,625.00	10,366.13	10,384.13	10,379.14	30.11	29.07	97.87	-118.44	64.46	1,045.55	987.61	57.94	18.046	
10,650.00	10,372.97	10,390.54	10,385.55	30.22	29.09	97.02	-118.54	64.48	1,055.00	997.15	57.84	18.239	
10,675.00	10,378.55	10,395.74	10,390.75	30.35	29.10	96.00	-118.61	64.50	1,065.06	1,007.32	57.74	18.446	
10,700.00	10,382.85	10,399.73	10,394.73	30.48	29.11	94.83	-118.67	64.52	1,075.71	1,018.09	57.62	18.669	
10,725.00	10,385.85	10,402.49	10,397.49	30.63	29.12	93.49	-118.71	64.53	1,086.91	1,029.42	57.49	18.905	
10,750.00	10,387.54	10,404.01	10,399.01	30.79	29.12	91.99	-118.73	64.53	1,098.64	1,041.29	57.35	19.156	
10,775.70	10,387.93	10,404.28	10,399.28	30.96	29.12	90.28	-118.74	64.53	1,111.19	1,053.99	57.20	19.427	
10,800.00	10,387.63	10,403.91	10,398.92	31.14	29.12	90.26	-118.73	64.53	1,123.48	1,066.43	57.05	19.694	
10,900.00	10,386.43	10,402.41	10,397.41	31.96	29.12	90.17	-118.71	64.53	1,177.98	1,121.57	56.41	20.882	
11,000.00	10,385.22	10,400.90	10,395.91	32.94	29.11	90.08	-118.69	64.52	1,238.17	1,182.40	55.77	22.201	
11,100.00	10,384.02	10,399.40	10,394.40	34.05	29.11	89.99	-118.67	64.52	1,303.26	1,248.12	55.15	23.632	
11,200.00	10,382.82	10,397.89	10,392.89	35.27	29.10	89.90	-118.65	64.51	1,372.56	1,318.00	54.56	25.158	
11,300.00	10,381.61	12,321.82	11,435.77	36.60	38.49	138.73	-163.47	-973.58	1,402.67	1,332.90	69.77	20.103	
11,400.00	10,380.41	12,431.00	11,433.61	38.02	39.97	138.52	-157.79	-1,082.59	1,405.86	1,333.87	71.99	19.528	
11,500.00	10,379.20	12,537.21	11,431.89	39.52	41.52	138.35	-153.10	-1,188.67	1,408.84	1,334.56	74.28	18.968	
11,600.00	10,378.00	12,652.68	11,432.22	41.09	43.33	138.35	-152.17	-1,304.13	1,410.83	1,334.13	76.69	18.396	
11,700.00	10,376.80	12,781.26	11,433.90	42.73	45.41	138.51	-155.39	-1,432.65	1,411.41	1,332.17	79.24	17.812	
11,800.00	10,375.59	12,903.21	11,433.93	44.42	47.46	138.67	-159.88	-1,554.52	1,410.27	1,328.50	81.77	17.247	
11,900.00	10,374.39	13,049.18	11,431.09	46.16	49.98	138.85	-167.42	-1,700.25	1,406.69	1,322.10	84.59	16.629	
12,000.00	10,373.18	13,164.39	11,426.10	47.95	52.05	138.96	-174.72	-1,815.13	1,400.46	1,313.28	87.18	16.064	
12,100.00	10,371.98	13,239.00	11,422.08	49.77	53.41	138.96	-178.02	-1,889.55	1,394.78	1,305.35	89.44	15.595	
12,200.00	10,370.77	13,312.11	11,418.60	51.64	54.79	138.93	-179.70	-1,962.56	1,390.98	1,299.26	91.72	15.166	
12,300.00	10,369.57	13,378.60	11,416.64	53.53	56.05	138.91	-180.30	-2,029.02	1,389.43	1,295.53	93.90	14.797	
12,312.46	10,369.42	13,386.73	11,416.53	53.77	56.20	138.91	-180.35	-2,037.14	1,389.41	1,295.24	94.17	14.754	

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 703H
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:	703H	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)			
12,400.00	10,368.37	13,459.14	11,416.63	55.45	57.58	138.94	-180.73	-2,109.55	1,390.23	1,293.98	96.24	14.445	
12,500.00	10,367.16	13,573.09	11,416.29	57.40	59.78	138.98	-181.68	-2,223.50	1,390.68	1,291.59	99.09	14.034	
12,600.00	10,365.96	13,692.35	11,415.44	59.38	62.11	139.04	-183.80	-2,342.74	1,390.26	1,288.24	102.02	13.627	
12,700.00	10,364.75	13,774.67	11,413.91	61.37	63.75	139.04	-184.71	-2,425.03	1,389.42	1,284.93	104.48	13.298	
12,701.24	10,364.74	13,775.61	11,413.89	61.39	63.77	139.04	-184.71	-2,425.97	1,389.42	1,284.90	104.51	13.294	
12,800.00	10,363.55	13,864.22	11,412.57	63.38	65.54	139.00	-184.14	-2,514.57	1,389.93	1,282.82	107.11	12.976	
12,900.00	10,362.35	13,986.05	11,411.05	65.41	68.00	138.99	-184.38	-2,636.39	1,390.16	1,279.90	110.26	12.608	
13,000.00	10,361.14	14,090.82	11,410.04	67.46	70.14	139.05	-186.79	-2,741.12	1,389.17	1,276.11	113.07	12.286	
13,100.00	10,359.94	14,195.52	11,409.10	69.52	72.29	139.15	-190.36	-2,845.75	1,387.50	1,271.65	115.85	11.977	
13,176.57	10,359.02	14,251.05	11,409.23	71.11	73.43	139.23	-192.22	-2,901.26	1,386.92	1,269.32	117.59	11.794	
13,200.00	10,358.73	14,269.00	11,409.51	71.60	73.80	139.25	-192.82	-2,919.19	1,386.97	1,268.84	118.13	11.741	
13,300.00	10,357.53	14,382.29	11,411.66	73.68	76.14	139.48	-197.46	-3,032.37	1,387.01	1,266.09	120.92	11.470	
13,400.00	10,356.32	14,519.96	11,412.64	75.78	79.01	139.76	-204.95	-3,169.82	1,385.34	1,261.34	124.00	11.172	
13,500.00	10,355.12	14,643.99	11,410.18	77.89	81.60	139.96	-212.69	-3,293.58	1,381.02	1,254.09	126.93	10.880	
13,600.00	10,353.92	14,721.11	11,407.37	80.01	83.23	140.00	-215.82	-3,370.58	1,376.86	1,247.44	129.42	10.639	
13,700.00	10,352.71	14,808.92	11,404.32	82.14	85.09	139.99	-217.74	-3,458.32	1,374.04	1,241.92	132.12	10.400	
13,800.00	10,351.51	14,896.06	11,402.07	84.27	86.95	140.00	-219.50	-3,545.41	1,372.02	1,237.23	134.79	10.179	
13,900.00	10,350.30	15,015.37	11,400.00	86.42	89.49	140.07	-222.89	-3,664.65	1,370.19	1,232.29	137.90	9.936	
14,000.00	10,349.10	15,111.00	11,398.86	88.57	91.54	140.07	-225.17	-3,760.20	1,367.40	1,226.66	140.74	9.716	
14,100.00	10,347.90	15,205.00	11,392.18	90.73	93.56	139.98	-225.80	-3,854.08	1,364.44	1,220.72	143.72	9.494	
14,197.03	10,346.73	15,272.36	11,389.48	92.82	95.01	139.92	-225.68	-3,921.39	1,362.97	1,216.80	146.17	9.325	
14,200.00	10,346.69	15,274.13	11,389.45	92.89	95.04	139.92	-225.67	-3,923.15	1,362.97	1,216.74	146.24	9.320	
14,300.00	10,345.49	15,354.52	11,389.32	95.06	96.78	139.92	-225.59	-4,003.54	1,364.09	1,215.29	148.80	9.167	
14,400.00	10,344.28	15,461.09	11,390.69	97.23	99.08	140.02	-226.91	-4,110.09	1,365.55	1,213.83	151.72	9.000	
14,500.00	10,343.08	15,581.86	11,391.56	99.41	101.70	140.15	-229.70	-4,230.82	1,365.89	1,211.05	154.83	8.822	
14,600.00	10,341.87	15,673.00	11,391.30	101.60	103.68	140.24	-232.26	-4,321.93	1,365.18	1,207.73	157.45	8.671	
14,621.92	10,341.61	15,694.35	11,391.28	102.08	104.15	140.26	-232.80	-4,343.27	1,365.09	1,207.04	158.05	8.637	
14,700.00	10,340.67	15,736.93	11,392.27	103.78	105.07	140.33	-233.81	-4,385.82	1,366.28	1,206.78	159.50	8.566	
14,800.00	10,339.47	15,816.22	11,396.73	105.98	106.80	140.51	-235.54	-4,464.96	1,370.36	1,208.74	161.62	8.479	
14,900.00	10,338.26	15,970.85	11,401.58	108.17	110.17	140.75	-238.25	-4,619.46	1,373.06	1,207.76	165.30	8.307	
15,000.00	10,337.06	16,078.03	11,399.89	110.37	112.52	140.71	-237.88	-4,726.62	1,373.32	1,204.82	168.50	8.150	
15,100.00	10,335.85	16,209.72	11,395.28	112.58	115.41	140.60	-237.38	-4,858.23	1,372.14	1,199.85	172.30	7.964	
15,200.00	10,334.65	16,337.94	11,388.44	114.78	118.23	140.48	-238.76	-4,986.26	1,368.58	1,192.60	175.98	7.777	
15,300.00	10,333.45	16,442.49	11,382.07	116.99	120.53	140.38	-240.60	-5,090.59	1,364.03	1,184.78	179.25	7.610	
15,400.00	10,332.24	16,545.07	11,375.42	119.21	122.78	140.30	-243.10	-5,192.92	1,358.73	1,176.26	182.47	7.446	
15,500.00	10,331.04	16,630.73	11,371.50	121.42	124.67	140.29	-245.76	-5,278.45	1,354.44	1,169.15	185.29	7.310	
15,600.00	10,329.83	16,749.86	11,366.95	123.64	127.30	140.38	-251.52	-5,397.36	1,349.66	1,161.29	188.37	7.165	
15,700.00	10,328.63	16,854.77	11,361.95	125.86	129.61	140.44	-256.98	-5,502.00	1,343.92	1,152.62	191.29	7.025	
15,782.22	10,327.64	16,859.00	11,361.74	127.69	129.70	140.44	-257.20	-5,506.22	1,341.41	1,148.94	192.46	6.970	
15,800.00	10,327.42	16,859.00	11,361.74	128.08	129.70	140.44	-257.20	-5,506.22	1,341.52	1,148.91	192.62	6.965	
15,890.90	10,326.33	16,859.00	11,361.74	129.40	129.70	140.44	-257.20	-5,506.22	1,345.80	1,153.28	192.52	6.991	

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 703H
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:	703H	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	173.44	-913.00	105.00	919.10				
100.00	100.00	86.00	98.50	1.09	1.28	173.44	-913.08	104.95	919.09	916.73	2.36	389.025	
200.00	200.00	184.29	196.79	1.60	1.98	173.46	-913.35	104.79	919.35	915.77	3.57	257.215	
300.00	300.00	282.58	295.07	2.01	2.80	173.48	-913.82	104.50	919.79	914.98	4.81	191.391	
400.00	400.00	387.08	399.57	2.35	3.47	173.51	-914.28	104.01	920.18	914.37	5.81	158.261	
500.00	500.00	494.23	506.72	2.65	4.08	173.56	-914.01	103.15	919.84	913.13	6.71	137.113	
600.00	600.00	604.71	617.19	2.93	4.35	173.62	-912.65	101.99	918.49	911.26	7.23	127.000	
700.00	700.00	706.99	719.44	3.18	4.74	173.68	-910.71	100.94	916.49	908.63	7.87	116.477	
800.00	800.00	809.20	821.62	3.41	5.11	173.71	-908.50	100.07	914.25	905.78	8.47	107.990	
900.00	900.00	911.25	923.65	3.64	5.41	173.72	-906.00	99.66	911.77	902.79	8.98	101.505	
1,000.00	1,000.00	1,005.96	1,018.33	3.85	5.73	173.73	-903.85	99.24	909.46	899.95	9.51	95.649	
1,100.00	1,100.00	1,101.05	1,113.40	4.05	6.06	173.79	-902.31	98.19	907.74	897.70	10.03	90.472	
1,200.00	1,200.00	1,198.60	1,210.93	4.24	6.46	173.86	-901.14	96.87	906.40	895.80	10.60	85.536	
1,300.00	1,300.00	1,297.19	1,309.51	4.43	6.85	173.94	-900.21	95.50	905.31	894.16	11.15	81.166	
1,400.00	1,400.00	1,399.11	1,411.41	4.61	7.25	174.02	-899.16	94.17	904.15	892.45	11.71	77.237	
1,500.00	1,500.00	1,499.49	1,511.78	4.78	7.64	174.09	-897.94	92.97	902.82	890.58	12.24	73.763	
1,600.00	1,600.00	1,597.50	1,609.78	4.95	8.00	174.16	-896.89	91.77	901.62	888.88	12.75	70.740	
1,700.00	1,700.00	1,694.47	1,706.74	5.12	8.35	174.24	-896.10	90.46	900.68	887.46	13.22	68.151	
1,800.00	1,800.00	1,790.33	1,802.58	5.28	8.67	174.34	-895.77	88.76	900.16	886.51	13.65	65.953	
1,857.41	1,857.41	1,844.93	1,857.17	5.37	8.84	174.42	-895.80	87.60	900.07	886.19	13.88	64.836	
1,900.00	1,900.00	1,884.26	1,896.49	5.44	8.92	174.46	-895.96	86.83	900.16	886.14	14.02	64.196	
2,000.00	2,000.00	1,976.60	1,988.81	5.59	9.14	174.55	-896.84	85.57	900.98	886.63	14.35	62.802	
2,100.00	2,100.00	2,071.00	2,083.20	5.75	9.35	174.60	-898.42	84.94	902.59	887.91	14.67	61.507	
2,200.00	2,200.00	2,167.38	2,179.55	5.89	9.56	174.66	-900.49	84.18	904.65	889.64	15.01	60.283	
2,300.00	2,300.00	2,266.75	2,278.89	6.04	9.78	174.74	-902.95	83.16	907.01	891.66	15.35	59.100	
2,400.00	2,400.00	2,368.33	2,380.43	6.19	10.02	174.82	-905.33	82.04	909.25	893.56	15.69	57.936	
2,500.00	2,500.00	2,469.79	2,481.86	6.33	10.26	174.90	-907.54	80.93	911.32	895.28	16.04	56.806	
2,600.00	2,600.00	2,571.22	2,583.27	6.47	10.50	174.97	-909.57	80.00	913.23	896.84	16.39	55.712	
2,700.00	2,700.00	2,671.82	2,683.85	6.61	10.73	175.03	-911.44	79.24	915.03	898.29	16.74	54.677	
2,800.00	2,800.00	2,772.43	2,784.44	6.74	10.97	175.08	-913.25	78.66	916.76	899.68	17.08	53.660	
2,900.00	2,900.00	2,876.01	2,888.01	6.88	11.22	175.14	-914.88	77.80	918.26	900.83	17.43	52.680	
3,000.00	3,000.00	2,978.33	2,990.31	7.01	11.47	175.23	-916.16	76.40	919.39	901.62	17.77	51.749	
3,100.00	3,100.00	3,076.39	3,088.35	7.14	11.68	175.30	-917.38	75.45	920.55	902.47	18.08	50.902	
3,200.00	3,200.00	3,173.57	3,185.52	7.27	11.88	175.31	-918.74	75.30	921.94	903.54	18.40	50.106	
3,300.00	3,300.00	3,268.85	3,280.79	7.40	12.02	175.27	-920.41	76.18	923.76	905.05	18.71	49.370	
3,400.00	3,400.00	3,361.78	3,373.67	7.52	12.16	175.16	-922.47	78.06	926.14	907.12	19.02	48.695	
3,500.00	3,500.00	3,450.28	3,462.09	7.65	12.28	175.02	-925.32	80.65	929.60	910.28	19.32	48.107	
3,600.00	3,600.00	3,543.84	3,555.49	7.77	12.41	174.83	-929.37	84.15	934.23	914.59	19.64	47.570	
3,700.00	3,700.00	3,654.35	3,665.84	7.90	12.57	174.59	-933.63	88.45	938.44	918.44	20.00	46.925	
3,800.00	3,800.00	3,771.41	3,782.78	8.02	12.71	174.34	-936.58	92.82	941.33	920.99	20.34	46.275	
3,900.00	3,900.00	3,894.03	3,905.33	8.14	12.83	174.10	-936.96	96.75	941.96	921.29	20.67	45.579	
4,000.00	4,000.00	3,996.01	4,007.27	8.26	12.93	173.93	-936.00	99.48	941.30	920.36	20.94	44.944	
4,100.00	4,100.00	4,099.10	4,110.33	8.38	13.04	173.79	-934.83	101.76	940.40	919.19	21.22	44.323	
4,200.00	4,199.98	4,206.36	4,217.56	8.49	13.14	-6.35	-933.04	103.40	937.18	915.72	21.46	43.662	
4,300.00	4,299.84	4,314.06	4,325.23	8.85	13.26	-6.47	-930.47	104.26	929.71	907.75	21.96	42.335	
4,400.00	4,399.45	4,422.14	4,433.24	9.21	13.40	-6.64	-926.89	105.07	917.86	895.39	22.46	40.860	
4,500.00	4,498.70	4,523.15	4,534.17	9.57	13.53	-6.85	-922.83	105.83	901.88	878.91	22.97	39.269	
4,600.00	4,597.47	4,620.76	4,631.70	9.95	13.67	-7.08	-918.92	106.35	882.50	859.03	23.47	37.596	
4,700.00	4,695.62	4,716.85	4,727.72	10.32	13.81	-7.34	-915.20	106.60	859.83	835.84	24.00	35.832	
4,700.21	4,695.83	4,717.05	4,727.91	10.32	13.81	-7.34	-915.19	106.60	859.78	835.79	24.00	35.828	
4,800.00	4,793.44	4,812.42	4,823.22	10.56	13.96	-7.55	-911.69	106.53	835.65	811.27	24.38	34.279	
4,900.00	4,891.25	4,912.74	4,923.47	10.73	14.12	-7.77	-907.95	106.32	811.39	786.69	24.71	32.840	

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 703H
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:	703H	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	Offset	Highside Toolface (°)	Offset Wellbore Centre	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.00	4,989.06	5,013.64	5,024.28	10.92	14.29	-8.03	-903.65	106.34	786.67	761.61	25.06	31.395		
5,100.00	5,086.88	5,108.42	5,118.97	11.12	14.45	-8.30	-899.47	106.52	761.84	736.41	25.43	29.957		
5,200.00	5,184.69	5,201.00	5,211.47	11.34	14.62	-8.59	-895.61	106.80	737.28	711.46	25.82	28.553		
5,300.00	5,282.50	5,296.42	5,306.82	11.58	14.79	-8.89	-892.02	107.04	713.13	686.89	26.23	27.182		
5,400.00	5,380.32	5,389.90	5,400.25	11.83	14.96	-9.20	-889.04	107.12	689.51	662.85	26.66	25.861		
5,500.00	5,478.13	5,496.13	5,506.41	12.09	15.16	-9.58	-885.15	107.35	665.49	638.38	27.11	24.548		
5,600.00	5,575.94	5,598.63	5,608.77	12.37	15.36	-10.05	-880.00	108.02	640.25	612.68	27.57	23.224		
5,700.00	5,673.76	5,692.26	5,702.29	12.66	15.55	-10.52	-875.23	108.73	615.01	586.96	28.05	21.928		
5,800.00	5,771.57	5,786.09	5,796.01	12.96	15.73	-11.02	-870.92	109.41	590.28	561.74	28.54	20.686		
5,900.00	5,869.38	5,880.04	5,889.88	13.27	15.93	-11.53	-867.13	109.82	566.08	537.04	29.04	19.495		
6,000.00	5,967.20	5,975.88	5,985.66	13.59	16.12	-12.04	-863.78	109.91	542.38	512.83	29.55	18.357		
6,100.00	6,065.01	6,076.23	6,085.93	13.92	16.33	-12.70	-859.84	110.51	518.41	488.35	30.06	17.246		
6,200.00	6,162.82	6,174.31	6,183.89	14.25	16.54	-13.50	-855.25	111.84	493.96	463.39	30.58	16.154		
6,300.00	6,260.64	6,269.55	6,279.03	14.60	16.74	-14.36	-850.94	113.09	469.76	438.65	31.10	15.103		
6,400.00	6,358.45	6,364.92	6,374.31	14.95	16.94	-15.28	-846.97	114.23	445.97	414.34	31.63	14.100		
6,500.00	6,456.26	6,460.29	6,469.59	15.31	17.14	-16.39	-843.17	115.99	422.64	390.50	32.15	13.148		
6,600.00	6,554.07	6,557.74	6,566.94	15.68	17.35	-17.71	-839.36	118.34	399.73	367.08	32.65	12.243		
6,700.00	6,651.89	6,657.34	6,666.44	16.05	17.57	-19.10	-835.22	119.70	376.49	343.35	33.15	11.359		
6,800.00	6,749.70	6,755.27	6,764.28	16.42	17.79	-20.47	-830.91	119.93	352.88	319.22	33.65	10.486		
6,900.00	6,847.51	6,852.17	6,861.08	16.81	18.02	-22.00	-826.64	119.94	329.39	295.23	34.16	9.642		
7,000.00	6,945.33	6,948.96	6,957.78	17.19	18.26	-23.72	-822.42	119.78	306.14	271.49	34.65	8.834		
7,100.00	7,043.14	7,045.76	7,054.49	17.58	18.50	-25.64	-818.36	119.30	283.21	248.08	35.12	8.063		
7,200.00	7,140.95	7,141.56	7,150.22	17.98	18.73	-27.82	-814.57	118.69	260.78	225.21	35.56	7.333		
7,300.00	7,238.77	7,237.15	7,245.75	18.38	18.97	-30.41	-811.18	118.44	239.32	203.37	35.94	6.658		
7,400.00	7,336.58	7,335.66	7,344.19	18.78	19.22	-33.65	-807.67	118.42	218.54	182.32	36.22	6.033		
7,500.00	7,434.39	7,434.50	7,442.93	19.19	19.47	-37.71	-803.11	118.20	197.64	161.28	36.37	5.435		
7,600.00	7,532.21	7,530.61	7,538.91	19.60	19.72	-42.62	-798.22	117.93	177.49	141.13	36.37	4.881		
7,700.00	7,630.02	7,626.61	7,634.81	20.01	19.97	-48.58	-793.80	117.76	159.37	123.22	36.15	4.409		
7,800.00	7,727.83	7,723.23	7,731.34	20.42	20.22	-55.77	-789.89	117.56	143.70	108.01	35.68	4.027		
7,900.00	7,825.65	7,820.15	7,828.21	20.84	20.47	-64.22	-786.52	117.10	130.89	95.87	35.02	3.738		
8,000.00	7,923.46	7,917.48	7,925.49	21.26	20.70	-73.91	-783.71	116.34	121.46	87.12	34.33	3.538		
8,100.00	8,021.27	8,015.03	8,023.01	21.68	20.94	-84.52	-781.43	115.22	115.85	81.89	33.95	3.412		
8,175.61	8,095.23	8,088.48	8,096.44	22.01	21.12	-92.92	-779.77	114.31	114.48	80.39	34.09	3.358 CC, ES		
8,200.00	8,119.09	8,112.16	8,120.11	22.11	21.17	-95.67	-779.19	114.04	114.63	80.40	34.23	3.349 SF		
8,300.00	8,216.90	8,208.98	8,216.89	22.54	21.41	-106.75	-776.57	113.01	118.26	82.95	35.31	3.349		
8,400.00	8,314.71	8,304.73	8,312.58	22.97	21.66	-116.84	-773.43	112.58	127.01	90.06	36.95	3.437		
8,500.00	8,412.53	8,400.62	8,408.40	23.40	21.90	-125.50	-769.64	112.99	140.46	101.69	38.77	3.623		
8,600.00	8,510.34	8,498.81	8,506.51	23.83	22.16	-132.81	-765.74	113.15	156.49	115.93	40.55	3.859		
8,700.00	8,608.15	8,596.59	8,604.23	24.26	22.42	-138.83	-762.14	112.52	173.81	131.64	42.17	4.122		
8,800.00	8,705.97	8,692.77	8,700.32	24.70	22.68	-143.72	-758.40	111.78	192.77	149.18	43.59	4.423		
8,900.00	8,803.78	8,788.96	8,796.43	25.14	22.95	-147.77	-754.28	111.16	213.28	168.42	44.85	4.755		
9,000.00	8,901.59	8,885.53	8,892.89	25.58	23.22	-151.15	-749.95	110.54	234.82	188.81	46.02	5.103		
9,100.00	8,999.41	8,982.73	8,989.99	26.02	23.49	-153.99	-745.50	109.86	257.08	209.99	47.09	5.459		
9,200.00	9,097.22	9,081.32	9,088.50	26.46	23.77	-156.40	-741.47	109.04	279.37	231.26	48.11	5.807		
9,300.00	9,195.03	9,179.36	9,186.47	26.91	24.03	-158.44	-737.98	107.99	301.49	252.44	49.06	6.146		
9,304.74	9,199.67	9,183.97	9,191.07	26.93	24.05	-158.53	-737.81	107.93	302.55	253.45	49.10	6.162		
9,400.00	9,293.16	9,276.75	9,283.77	27.37	24.30	-160.38	-734.33	106.15	322.37	272.42	49.95	6.453		
9,500.00	9,391.89	9,379.20	9,386.11	27.87	24.55	-162.09	-730.59	103.32	339.94	289.05	50.88	6.681		
9,600.00	9,491.12	9,486.56	9,493.40	28.35	24.80	-163.45	-728.94	99.89	352.27	300.51	51.77	6.805		
9,700.00	9,590.72	9,589.06	9,595.85	28.80	24.97	-164.44	-729.19	96.31	359.63	307.17	52.45	6.856		
9,800.00	9,690.57	9,690.45	9,697.16	29.21	25.14	-165.21	-729.90	92.66	363.23	310.18	53.04	6.848		
9,900.00	9,790.55	9,789.97	9,796.62	29.37	25.21	-165.75	-730.85	89.38	363.33	310.06	53.27	6.820		

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 703H
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:	703H	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
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
9,904.95	9,795.50	9,794.89	9,801.54	29.37	25.21	14.23	-730.90	89.24	363.25	309.97	53.28	6.818	
10,000.00	9,890.55	9,889.79	9,896.41	29.42	25.27	13.90	-731.87	86.87	361.73	308.36	53.37	6.777	
10,019.95	9,910.50	9,910.72	9,917.33	29.42	25.27	13.84	-732.13	86.41	361.38	308.00	53.38	6.770	
10,025.00	9,915.55	9,916.01	9,922.62	29.42	25.27	104.14	-732.21	86.29	361.29	307.91	53.38	6.768	
10,050.00	9,940.53	9,942.24	9,948.84	29.42	25.28	104.25	-732.64	85.70	360.99	307.59	53.39	6.761	
10,069.14	9,959.60	9,962.28	9,968.87	29.43	25.28	104.46	-733.02	85.25	360.91	307.53	53.38	6.761	
10,075.00	9,965.43	9,968.40	9,974.99	29.43	25.28	104.54	-733.15	85.11	360.92	307.54	53.37	6.762	
10,100.00	9,990.17	9,994.44	10,001.01	29.43	25.28	105.01	-733.76	84.50	361.11	307.78	53.33	6.771	
10,125.00	10,014.70	10,020.28	10,026.84	29.43	25.29	105.65	-734.44	83.88	361.60	308.34	53.27	6.789	
10,150.00	10,038.95	10,045.85	10,052.39	29.43	25.29	106.45	-735.21	83.26	362.43	309.26	53.17	6.816	
10,175.00	10,062.84	10,071.09	10,077.60	29.44	25.29	107.38	-736.04	82.64	363.65	310.60	53.05	6.855	
10,200.00	10,086.31	10,094.73	10,101.23	29.44	25.29	108.35	-736.86	82.05	365.37	312.48	52.88	6.909	
10,225.00	10,109.30	10,117.94	10,124.42	29.45	25.28	109.40	-737.66	81.46	367.69	315.00	52.69	6.979	
10,250.00	10,131.75	10,140.65	10,147.10	29.46	25.28	110.49	-738.44	80.86	370.69	318.23	52.46	7.066	
10,275.00	10,153.59	10,162.79	10,169.23	29.46	25.27	111.59	-739.20	80.27	374.45	322.24	52.20	7.173	
10,300.00	10,174.76	10,184.32	10,190.73	29.48	25.27	112.68	-739.92	79.69	379.02	327.11	51.91	7.301	
10,325.00	10,195.21	10,205.15	10,211.55	29.49	25.27	113.73	-740.62	79.11	384.49	332.90	51.59	7.452	
10,350.00	10,214.88	10,225.26	10,231.63	29.51	25.26	114.71	-741.30	78.55	390.91	339.67	51.25	7.628	
10,375.00	10,233.72	10,244.57	10,250.92	29.53	25.26	115.59	-741.94	78.00	398.35	347.47	50.88	7.829	
10,400.00	10,251.67	10,263.21	10,269.54	29.55	25.26	116.37	-742.55	77.46	406.83	356.33	50.49	8.057	
10,425.00	10,268.68	10,281.44	10,287.76	29.58	25.26	117.05	-743.16	76.89	416.37	366.27	50.10	8.311	
10,450.00	10,284.71	10,298.78	10,305.08	29.62	25.26	117.56	-743.74	76.30	426.97	377.28	49.69	8.593	
10,475.00	10,299.72	10,315.18	10,321.46	29.66	25.26	117.88	-744.28	75.71	438.66	389.38	49.28	8.901	
10,500.00	10,313.66	10,330.59	10,336.85	29.71	25.26	117.99	-744.80	75.12	451.41	402.53	48.87	9.236	
10,525.00	10,326.49	10,344.96	10,351.20	29.77	25.26	117.86	-745.29	74.54	465.20	416.73	48.47	9.597	
10,550.00	10,338.19	10,358.26	10,364.47	29.84	25.26	117.47	-745.74	73.97	480.00	431.92	48.08	9.983	
10,575.00	10,348.71	10,370.43	10,376.62	29.92	25.26	116.78	-746.15	73.43	495.78	448.08	47.70	10.394	
10,600.00	10,358.03	10,381.43	10,387.61	30.01	25.26	115.76	-746.53	72.93	512.48	465.14	47.34	10.827	
10,625.00	10,366.13	10,391.23	10,397.39	30.11	25.26	114.37	-746.86	72.46	530.03	483.05	46.99	11.281	
10,650.00	10,372.97	10,399.79	10,405.93	30.22	25.26	112.58	-747.16	72.04	548.39	501.74	46.65	11.755	
10,675.00	10,378.55	10,407.06	10,413.20	30.35	25.26	110.33	-747.41	71.68	567.47	521.13	46.33	12.247	
10,700.00	10,382.85	10,413.03	10,419.15	30.48	25.26	107.58	-747.61	71.38	587.20	541.16	46.03	12.756	
10,725.00	10,385.85	10,417.65	10,423.77	30.63	25.26	104.29	-747.77	71.14	607.50	561.75	45.75	13.280	
10,750.00	10,387.54	10,420.91	10,427.01	30.79	25.26	100.43	-747.89	70.97	628.30	582.82	45.48	13.816	
10,775.70	10,387.93	10,426.42	10,432.52	30.96	25.28	96.46	-748.07	70.66	650.10	604.84	45.26	14.364	
10,800.00	10,387.63	10,435.91	10,441.98	31.14	25.32	98.07	-748.37	70.01	671.00	625.87	45.13	14.869	
10,900.00	10,386.43	11,291.36	11,015.86	31.96	30.01	149.12	-709.95	-472.74	745.55	691.49	54.06	13.791	
11,000.00	10,385.22	11,517.06	11,044.32	32.94	31.40	149.94	-705.26	-696.13	761.56	706.56	55.00	13.846	
11,100.00	10,384.02	11,619.06	11,045.38	34.05	32.43	149.94	-704.37	-798.12	764.20	708.01	56.19	13.600	
11,200.00	10,382.82	11,722.78	11,045.70	35.27	33.67	149.86	-702.83	-901.82	766.52	709.03	57.49	13.333	
11,300.00	10,381.61	11,818.72	11,045.39	36.60	34.98	149.71	-700.50	-997.74	768.76	709.85	58.91	13.050	
11,400.00	10,380.41	11,925.77	11,044.82	38.02	36.56	149.52	-697.63	-1,104.75	770.97	710.50	60.46	12.751	
11,500.00	10,379.20	12,029.03	11,042.84	39.52	38.20	149.22	-693.99	-1,207.91	772.41	710.25	62.17	12.425	
11,600.00	10,378.00	12,134.86	11,041.99	41.09	40.00	149.15	-693.10	-1,313.73	773.46	709.56	63.90	12.104	
11,700.00	10,376.80	12,243.76	11,040.44	42.73	41.91	149.17	-694.16	-1,422.61	773.01	707.33	65.68	11.770	
11,800.00	10,375.59	12,340.52	11,039.56	44.42	43.64	149.26	-695.91	-1,519.35	772.60	705.21	67.40	11.464	
11,874.42	10,374.70	12,413.09	11,038.81	45.72	44.96	149.29	-696.69	-1,591.91	772.50	703.77	68.73	11.239	
11,900.00	10,374.39	12,437.65	11,038.52	46.16	45.41	149.29	-696.80	-1,616.47	772.52	703.32	69.20	11.164	
12,000.00	10,373.18	12,534.07	11,037.44	47.95	47.22	149.25	-696.72	-1,712.88	772.89	701.80	71.09	10.872	
12,100.00	10,371.98	12,633.23	11,036.89	49.77	49.11	149.26	-696.93	-1,812.05	773.61	700.58	73.02	10.594	
12,200.00	10,370.77	12,740.98	11,035.68	51.64	51.19	149.23	-696.90	-1,919.79	773.97	698.87	75.10	10.306	
12,300.00	10,369.57	12,844.29	11,034.07	53.53	53.22	149.25	-698.06	-2,023.07	773.35	696.21	77.14	10.026	

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 703H
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:	703H	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		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	10,368.37	12,948.27	11,032.74	55.45	55.30	149.36	-700.43	-2,127.01	772.39	693.25	79.14	9.759
12,500.00	10,367.16	13,048.80	11,032.17	57.40	57.32	149.62	-704.58	-2,227.46	771.10	690.08	81.02	9.518
12,600.00	10,365.96	13,146.15	11,032.37	59.38	59.29	149.96	-709.61	-2,324.68	769.99	687.20	82.79	9.301
12,700.00	10,364.75	13,245.54	11,033.16	61.37	61.32	150.37	-715.32	-2,423.90	769.11	684.61	84.50	9.102
12,800.00	10,363.55	13,344.89	11,032.77	63.38	63.39	150.61	-719.11	-2,523.17	768.19	681.81	86.39	8.893
12,860.33	10,362.82	13,399.44	11,032.26	64.61	64.53	150.66	-720.08	-2,577.71	767.97	680.38	87.59	8.768
12,900.00	10,362.35	13,437.86	11,031.94	65.41	65.34	150.68	-720.38	-2,616.13	768.04	679.61	88.42	8.686
13,000.00	10,361.14	13,543.59	11,029.53	67.46	67.56	150.54	-719.44	-2,721.82	767.79	676.95	90.84	8.452
13,100.00	10,359.94	13,648.11	11,025.88	69.52	69.77	150.29	-717.56	-2,826.26	766.95	673.55	93.41	8.211
13,200.00	10,358.73	13,752.20	11,022.15	71.60	71.97	150.12	-716.88	-2,930.29	765.46	669.55	95.92	7.981
13,300.00	10,357.53	13,853.54	11,018.88	73.68	74.12	150.05	-717.53	-3,031.57	763.65	665.35	98.30	7.769
13,400.00	10,356.32	13,960.50	11,015.22	75.78	76.41	150.00	-718.65	-3,138.46	761.47	660.74	100.73	7.559
13,500.00	10,355.12	14,047.24	11,012.06	77.89	78.27	149.94	-719.42	-3,225.13	759.22	656.21	103.02	7.370
13,538.70	10,354.65	14,078.00	11,011.30	78.71	78.93	149.91	-719.26	-3,255.88	759.01	655.13	103.88	7.306
13,600.00	10,353.92	14,127.17	11,010.63	80.01	79.99	149.84	-718.61	-3,305.05	759.49	654.22	105.27	7.215
13,700.00	10,352.71	14,216.25	11,011.03	82.14	81.92	149.75	-716.81	-3,394.11	762.15	654.53	107.62	7.082
13,800.00	10,351.51	14,336.07	11,011.40	84.27	84.52	149.68	-715.26	-3,513.91	764.47	654.06	110.41	6.924
13,900.00	10,350.30	14,451.52	11,008.10	86.42	87.03	149.51	-714.38	-3,629.31	763.66	650.38	113.28	6.741
14,000.00	10,349.10	14,553.72	11,004.83	88.57	89.25	149.44	-714.97	-3,731.45	761.91	646.07	115.85	6.577
14,100.00	10,347.90	14,654.47	11,002.25	90.73	91.45	149.48	-716.89	-3,832.15	760.04	641.82	118.22	6.429
14,200.00	10,346.69	14,757.51	10,999.72	92.89	93.70	149.59	-719.99	-3,935.11	757.69	637.22	120.47	6.289
14,300.00	10,345.49	14,847.47	10,997.61	95.06	95.67	149.66	-722.01	-4,025.02	755.85	633.16	122.69	6.161
14,344.87	10,344.95	14,884.39	10,997.02	96.03	96.49	149.66	-722.33	-4,061.93	755.61	631.93	123.68	6.109
14,400.00	10,344.28	14,931.11	10,996.63	97.23	97.52	149.65	-722.28	-4,108.65	755.96	631.02	124.94	6.051
14,500.00	10,343.08	15,026.66	10,996.89	99.41	99.62	149.68	-722.45	-4,204.20	757.40	630.13	127.26	5.951
14,600.00	10,341.87	15,126.87	10,997.84	101.60	101.83	149.78	-723.27	-4,304.40	759.11	629.59	129.53	5.861
14,700.00	10,340.67	15,228.43	10,998.98	103.78	104.07	149.93	-724.78	-4,405.94	760.64	628.94	131.69	5.776
14,800.00	10,339.47	15,329.09	11,000.69	105.98	106.29	150.18	-727.34	-4,506.56	762.14	628.49	133.65	5.703
14,900.00	10,338.26	15,433.68	11,002.28	108.17	108.60	150.46	-730.56	-4,611.08	763.24	627.68	135.56	5.630
15,000.00	10,337.06	15,536.55	11,002.13	110.37	110.89	150.55	-731.89	-4,713.94	763.78	625.93	137.86	5.540
15,100.00	10,335.85	15,632.14	11,001.28	112.58	113.45	150.67	-734.10	-4,829.51	763.55	623.32	140.23	5.445
15,200.00	10,334.65	15,758.37	10,997.62	114.78	115.81	150.62	-735.17	-4,935.67	761.35	618.46	142.89	5.328
15,300.00	10,333.45	15,862.92	10,993.09	116.99	118.14	150.51	-735.81	-5,040.12	758.58	612.91	145.67	5.208
15,400.00	10,332.24	15,950.00	10,989.51	119.21	120.07	150.46	-737.00	-5,127.11	755.72	607.60	148.12	5.102
15,500.00	10,331.04	16,044.00	10,986.95	121.42	122.17	150.41	-737.50	-5,221.07	754.42	603.76	150.66	5.007
15,504.11	10,330.99	16,044.00	10,986.95	121.51	122.17	150.41	-737.50	-5,221.07	754.41	603.71	150.70	5.006
15,600.00	10,329.83	16,139.26	10,985.48	123.64	124.29	150.34	-737.11	-5,316.32	754.57	601.30	153.27	4.923
15,700.00	10,328.63	16,252.28	10,982.84	125.86	126.82	150.25	-737.09	-5,429.31	753.86	597.69	156.17	4.827
15,800.00	10,327.42	16,343.00	10,979.72	128.08	128.84	150.18	-737.74	-5,519.97	751.91	593.18	158.73	4.737
15,803.07	10,327.39	16,343.00	10,979.72	128.13	128.84	150.18	-737.74	-5,519.97	751.90	593.16	158.74	4.737
15,890.90	10,326.33	16,343.00	10,979.72	129.40	128.84	150.18	-737.74	-5,519.97	757.02	598.52	158.50	4.776

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 703H
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:	703H	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													
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	6.57	0.07	1.00	1.00	39.29	121.00	99.00	156.34				
100.00	100.00	107.65	101.15	1.09	1.25	39.36	120.56	98.90	155.95	153.61	2.34	66.778	
200.00	200.00	208.73	202.22	1.60	1.77	39.57	119.36	98.63	154.86	151.50	3.36	46.031	
300.00	300.00	308.30	301.78	2.01	2.59	39.85	117.84	98.36	153.51	148.92	4.59	33.468	
400.00	400.00	407.71	401.18	2.35	3.49	40.13	116.62	98.32	152.54	146.72	5.82	26.209	
500.00	500.00	508.08	501.54	2.65	4.08	40.51	115.30	98.49	151.65	144.95	6.70	22.641	
600.00	600.00	608.23	601.67	2.93	4.66	41.05	113.52	98.84	150.52	142.99	7.53	19.991	
700.00	700.00	707.31	700.74	3.18	5.14	41.69	111.80	99.58	149.72	141.49	8.23	18.197	
777.62	777.62	784.19	777.60	3.36	5.50	42.24	110.70	100.51	149.52	140.79	8.73	17.126 CC	
800.00	800.00	806.21	799.62	3.41	5.55	42.39	110.46	100.81	149.55	140.72	8.83	16.930 ES	
900.00	900.00	904.61	898.01	3.64	5.80	42.81	110.28	102.17	150.35	141.07	9.28	16.207	
1,000.00	1,000.00	1,004.61	998.00	3.85	6.00	43.00	111.03	103.55	151.84	142.18	9.66	15.716	
1,100.00	1,100.00	1,105.15	1,098.53	4.05	6.25	43.35	111.20	104.99	152.94	142.86	10.09	15.165	
1,200.00	1,200.00	1,205.49	1,198.86	4.24	6.58	43.73	111.12	106.32	153.80	143.23	10.57	14.551	
1,300.00	1,300.00	1,306.04	1,299.40	4.43	6.94	44.15	110.77	107.54	154.38	143.32	11.07	13.951	
1,400.00	1,400.00	1,406.69	1,400.03	4.61	7.32	44.74	109.79	108.79	154.57	143.00	11.57	13.361	
1,500.00	1,500.00	1,506.97	1,500.29	4.78	7.70	45.49	108.26	110.13	154.43	142.37	12.06	12.804	
1,600.00	1,600.00	1,607.12	1,600.42	4.95	8.09	46.39	106.36	111.65	154.20	141.65	12.55	12.291	
1,641.80	1,641.80	1,648.52	1,641.80	5.02	8.20	46.78	105.55	112.31	154.13	141.41	12.71	12.125	
1,700.00	1,700.00	1,705.94	1,699.21	5.12	8.34	47.16	104.89	113.13	154.28	141.35	12.93	11.935	
1,800.00	1,800.00	1,804.61	1,797.88	5.28	8.58	47.41	105.03	114.27	155.22	141.93	13.29	11.679	
1,900.00	1,900.00	1,904.58	1,897.84	5.44	8.84	47.40	105.99	115.25	156.59	142.87	13.73	11.407	
2,000.00	2,000.00	2,004.50	1,997.75	5.59	9.10	47.40	106.93	116.26	157.98	143.81	14.16	11.155	
2,100.00	2,100.00	2,103.88	2,097.11	5.75	9.38	47.52	107.75	117.69	159.59	145.01	14.59	10.941	
2,200.00	2,200.00	2,203.31	2,196.52	5.89	9.68	47.83	108.46	119.74	161.59	146.58	15.01	10.763	
2,300.00	2,300.00	2,303.04	2,296.22	6.04	10.09	47.73	110.17	121.18	163.82	148.38	15.45	10.607	
2,400.00	2,400.00	2,402.91	2,396.04	6.19	10.50	47.01	113.29	121.54	166.20	150.30	15.90	10.450	
2,500.00	2,500.00	2,503.13	2,496.21	6.33	10.92	46.22	116.58	121.63	168.52	152.10	16.42	10.262	
2,600.00	2,600.00	2,603.54	2,596.57	6.47	11.23	45.47	119.68	121.64	170.68	153.81	16.87	10.120	
2,700.00	2,700.00	2,704.15	2,697.13	6.61	11.41	44.67	122.67	121.26	172.51	155.28	17.23	10.013	
2,800.00	2,800.00	2,804.90	2,797.84	6.74	11.57	43.82	125.51	120.46	173.98	156.40	17.58	9.899	
2,900.00	2,900.00	2,905.76	2,898.66	6.88	11.72	42.98	128.00	119.30	174.98	157.07	17.91	9.769	
3,000.00	3,000.00	3,006.06	2,998.93	7.01	11.87	42.18	130.14	117.93	175.63	157.38	18.24	9.627	
3,100.00	3,100.00	3,106.19	3,099.03	7.14	12.01	41.46	132.06	116.65	176.21	157.64	18.56	9.492	
3,200.00	3,200.00	3,206.74	3,199.57	7.27	12.15	40.89	133.52	115.61	176.62	157.75	18.87	9.361	
3,300.00	3,300.00	3,307.38	3,300.21	7.40	12.30	40.61	134.13	115.01	176.68	157.51	19.17	9.215	
3,400.00	3,400.00	3,408.07	3,400.90	7.52	12.49	40.68	133.75	114.96	176.37	156.92	19.45	9.067	
3,500.00	3,500.00	3,508.37	3,501.18	7.65	12.70	41.13	132.33	115.56	175.69	155.93	19.76	8.891	
3,580.77	3,580.77	3,587.97	3,580.77	7.75	12.90	41.47	131.44	116.17	175.42	155.32	20.10	8.727	
3,600.00	3,600.00	3,606.92	3,599.72	7.77	12.95	41.53	131.34	116.30	175.43	155.25	20.18	8.691	
3,700.00	3,700.00	3,705.71	3,698.51	7.90	13.19	41.64	131.51	116.93	175.98	155.39	20.59	8.546	
3,800.00	3,800.00	3,805.10	3,797.89	8.02	13.35	41.47	132.62	117.20	177.00	156.10	20.90	8.469	
3,900.00	3,900.00	3,904.59	3,897.36	8.14	13.52	41.02	134.55	117.04	178.35	157.15	21.21	8.410	
4,000.00	4,000.00	4,004.25	3,997.00	8.26	13.69	40.42	136.95	116.66	179.93	158.40	21.52	8.360	
4,100.00	4,100.00	4,102.28	4,094.98	8.38	13.86	39.72	139.88	116.21	181.92	160.05	21.88	8.316	
4,200.00	4,199.98	4,198.54	4,191.13	8.49	14.05	-141.40	144.41	116.34	187.02	164.78	22.23	8.411	
4,300.00	4,299.84	4,296.56	4,288.95	8.85	14.27	-143.19	150.56	117.03	196.55	173.78	22.77	8.633	
4,400.00	4,399.45	4,395.90	4,388.10	9.21	14.51	-145.37	156.79	117.67	209.11	185.75	23.35	8.955	
4,500.00	4,498.70	4,494.96	4,486.97	9.57	14.74	-147.74	162.79	118.15	224.61	200.71	23.90	9.398	
4,600.00	4,597.47	4,593.52	4,585.37	9.95	14.95	-150.20	168.49	118.36	243.12	218.67	24.45	9.945	
4,700.00	4,695.62	4,691.96	4,683.66	10.32	15.16	-152.63	173.78	118.41	264.65	239.63	25.02	10.577	
4,700.21	4,695.83	4,692.16	4,683.87	10.32	15.16	-152.64	173.79	118.41	264.70	239.68	25.02	10.579	

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 703H
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:	703H	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	Warning
4,800.00	4,793.44	4,790.45	4,782.05	10.56	15.38	-154.96	178.36	118.50	287.57	262.07	25.49	11.280	
4,900.00	4,891.25	4,888.45	4,879.96	10.73	15.59	-156.93	182.44	118.43	310.35	284.44	25.90	11.980	
5,000.00	4,989.06	4,986.45	4,977.88	10.92	15.80	-158.70	186.35	117.85	333.09	306.76	26.33	12.649	
5,100.00	5,086.88	5,084.23	5,075.59	11.12	15.99	-160.28	190.08	116.93	355.82	329.06	26.77	13.294	
5,200.00	5,184.69	5,182.12	5,173.41	11.34	16.19	-161.69	193.63	115.81	378.55	351.33	27.22	13.909	
5,300.00	5,282.50	5,280.33	5,271.55	11.58	16.38	-162.97	196.98	114.44	401.20	373.53	27.67	14.497	
5,400.00	5,380.32	5,378.29	5,369.45	11.83	16.58	-164.15	200.12	112.78	423.75	395.60	28.15	15.055	
5,500.00	5,478.13	5,474.71	5,465.81	12.09	16.77	-165.17	203.20	111.22	446.44	417.81	28.63	15.594	
5,600.00	5,575.94	5,570.62	5,561.66	12.37	16.98	-166.07	206.34	109.95	469.41	440.29	29.13	16.117	
5,700.00	5,673.76	5,664.74	5,655.71	12.66	17.19	-166.84	209.81	109.00	492.93	463.30	29.64	16.631	
5,800.00	5,771.57	5,759.79	5,750.68	12.96	17.40	-167.52	213.78	108.38	517.08	486.93	30.15	17.149	
5,900.00	5,869.38	5,858.70	5,849.50	13.27	17.57	-168.13	217.74	108.08	541.20	510.55	30.66	17.654	
6,000.00	5,967.20	5,957.94	5,948.67	13.59	17.78	-168.75	221.45	107.13	564.99	533.79	31.20	18.111	
6,100.00	6,065.01	6,056.24	6,046.88	13.92	17.98	-169.40	224.93	105.22	588.48	556.73	31.74	18.538	
6,200.00	6,162.82	6,152.99	6,143.54	14.25	18.19	-170.05	228.43	102.72	612.00	579.69	32.30	18.945	
6,300.00	6,260.64	6,251.08	6,241.52	14.60	18.40	-170.72	232.04	99.68	635.58	602.71	32.87	19.336	
6,400.00	6,358.45	6,350.88	6,341.21	14.95	18.60	-171.36	235.39	96.35	658.88	625.43	33.45	19.700	
6,500.00	6,456.26	6,446.86	6,437.08	15.31	18.81	-171.92	238.36	93.17	682.00	647.98	34.02	20.049	
6,600.00	6,554.07	6,539.94	6,530.09	15.68	19.01	-172.37	241.57	91.00	705.64	671.06	34.58	20.403	
6,700.00	6,651.89	6,636.76	6,626.83	16.05	19.25	-172.72	245.17	89.77	729.71	694.52	35.19	20.734	
6,800.00	6,749.70	6,736.44	6,726.46	16.42	19.51	-172.98	248.48	89.46	753.54	717.70	35.83	21.028	
6,900.00	6,847.51	6,835.79	6,825.76	16.81	19.77	-173.17	251.36	89.89	777.05	740.57	36.48	21.300	
7,000.00	6,945.33	6,935.06	6,925.00	17.19	20.03	-173.33	253.96	90.49	800.32	763.18	37.13	21.553	
7,100.00	7,043.14	7,032.89	7,022.80	17.58	20.29	-173.47	256.33	91.16	823.41	785.63	37.78	21.796	
7,200.00	7,140.95	7,130.41	7,120.28	17.98	20.54	-173.60	258.67	91.77	846.48	808.05	38.43	22.029	
7,300.00	7,238.77	7,231.29	7,221.14	18.38	20.80	-173.74	260.90	92.31	869.36	830.27	39.09	22.240	
7,400.00	7,336.58	7,332.50	7,322.33	18.78	21.06	-173.88	262.69	92.74	891.80	852.04	39.76	22.430	
7,500.00	7,434.39	7,428.85	7,418.67	19.19	21.30	-174.00	264.26	93.07	914.11	873.70	40.40	22.625	
7,600.00	7,532.21	7,525.60	7,515.40	19.60	21.54	-174.13	265.96	93.37	936.54	895.48	41.05	22.814	
7,700.00	7,630.02	7,626.19	7,615.98	20.01	21.79	-174.25	267.58	93.62	958.82	917.11	41.72	22.984	
7,800.00	7,727.83	7,726.31	7,716.10	20.42	22.03	-174.37	268.88	93.82	980.80	938.42	42.38	23.142	
7,900.00	7,825.65	7,824.75	7,814.52	20.84	22.26	-174.50	270.02	93.88	1,002.63	959.60	43.03	23.300	
8,000.00	7,923.46	7,922.85	7,912.62	21.26	22.49	-174.62	271.08	93.75	1,024.39	980.71	43.68	23.453	
8,100.00	8,021.27	8,020.29	8,010.05	21.68	22.70	-174.76	272.17	93.28	1,046.14	1,001.83	44.31	23.609	
8,200.00	8,119.09	8,117.52	8,107.27	22.11	22.90	-174.91	273.30	92.45	1,067.92	1,022.98	44.94	23.763	
8,300.00	8,216.90	8,214.48	8,204.22	22.54	23.09	-175.07	274.50	91.34	1,089.75	1,044.19	45.56	23.918	
8,400.00	8,314.71	8,310.90	8,300.62	22.97	23.29	-175.24	275.77	90.04	1,111.66	1,065.47	46.19	24.069	
8,500.00	8,412.53	8,406.76	8,396.46	23.40	23.49	-175.39	277.16	88.79	1,133.70	1,086.89	46.81	24.218	
8,600.00	8,510.34	8,498.76	8,488.44	23.83	23.69	-175.54	278.72	87.54	1,155.98	1,108.55	47.43	24.372	
8,700.00	8,608.15	8,587.34	8,576.97	24.26	23.89	-175.72	280.88	85.55	1,178.94	1,130.90	48.04	24.541	
8,800.00	8,705.97	8,682.09	8,671.63	24.70	24.10	-175.95	283.86	82.50	1,202.52	1,153.85	48.67	24.708	
8,900.00	8,803.78	8,785.71	8,775.11	25.14	24.32	-176.24	286.83	78.29	1,225.80	1,176.46	49.34	24.843	
9,000.00	8,901.59	8,888.13	8,877.40	25.58	24.52	-176.54	289.30	73.48	1,248.63	1,198.64	49.99	24.980	
9,100.00	8,999.41	8,989.88	8,979.01	26.02	24.71	-176.82	291.36	68.79	1,271.12	1,220.51	50.61	25.114	
9,200.00	9,097.22	9,087.06	9,076.08	26.46	24.89	-177.07	293.12	64.46	1,293.43	1,242.21	51.22	25.252	
9,300.00	9,195.03	9,182.83	9,171.75	26.91	25.07	-177.30	294.95	60.37	1,315.87	1,264.04	51.83	25.390	
9,304.74	9,199.67	9,187.37	9,176.28	26.93	25.07	-177.31	295.04	60.18	1,316.93	1,265.08	51.85	25.397	
9,400.00	9,293.16	9,284.71	9,273.52	27.37	25.25	-177.55	296.83	56.15	1,336.72	1,284.26	52.46	25.478	
9,500.00	9,391.89	9,388.81	9,377.53	27.87	25.44	-177.78	298.31	51.91	1,353.77	1,300.62	53.15	25.471	
9,600.00	9,491.12	9,495.31	9,483.95	28.35	25.60	-177.97	299.30	48.12	1,366.91	1,313.12	53.78	25.415	
9,700.00	9,590.72	9,597.96	9,586.56	28.80	25.77	-178.10	299.69	45.47	1,376.08	1,321.70	54.38	25.306	
9,800.00	9,690.57	9,687.86	9,676.46	29.21	25.94	-178.14	300.31	44.87	1,382.14	1,327.23	54.91	25.171	

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 703H
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:	703H	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													
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
				Reference	Offset		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,900.00	9,790.55	9,781.37	9,769.95	29.37	26.14	-178.08	301.54	46.34	1,385.42	1,330.19	55.23	25.086	
9,904.95	9,795.50	9,786.82	9,775.39	29.37	26.16	1.92	301.61	46.47	1,385.50	1,330.24	55.25	25.076	
10,000.00	9,890.55	9,891.39	9,879.92	29.42	26.49	2.05	302.67	49.49	1,386.55	1,330.90	55.64	24.918	
10,019.95	9,910.50	9,913.33	9,901.85	29.42	26.56	2.08	302.79	50.23	1,386.69	1,330.97	55.72	24.888	
10,025.00	9,915.55	9,918.89	9,907.40	29.42	26.57	92.38	302.82	50.43	1,386.72	1,330.99	55.73	24.881	
10,050.00	9,940.53	9,946.33	9,934.82	29.42	26.66	92.44	302.92	51.42	1,386.88	1,331.06	55.83	24.843	
10,075.00	9,965.43	9,975.04	9,963.51	29.43	26.67	92.57	302.96	52.46	1,387.05	1,331.20	55.85	24.836	
10,100.00	9,990.17	10,003.71	9,992.17	29.43	26.67	92.76	302.92	53.40	1,387.22	1,331.35	55.86	24.833	
10,125.00	10,014.70	10,032.11	10,020.56	29.43	26.67	93.00	302.80	54.25	1,387.39	1,331.52	55.87	24.831	
10,150.00	10,038.95	10,060.18	10,048.62	29.43	26.67	93.28	302.61	55.00	1,387.59	1,331.71	55.88	24.830	
10,175.00	10,062.84	10,087.86	10,076.29	29.44	26.66	93.62	302.34	55.66	1,387.84	1,331.94	55.89	24.831	
10,200.00	10,086.31	10,115.07	10,103.49	29.44	26.66	93.99	302.00	56.22	1,388.15	1,332.25	55.90	24.833	
10,225.00	10,109.30	10,141.76	10,130.17	29.45	26.67	94.39	301.61	56.69	1,388.56	1,332.65	55.90	24.838	
10,250.00	10,131.75	10,162.11	10,150.51	29.46	26.65	94.70	301.30	57.01	1,389.14	1,333.26	55.88	24.861	
10,275.00	10,153.59	10,182.93	10,171.33	29.46	26.64	95.03	301.00	57.30	1,389.94	1,334.09	55.85	24.886	
10,300.00	10,174.76	10,203.14	10,191.53	29.48	26.63	95.36	300.73	57.55	1,391.00	1,335.17	55.83	24.916	
10,325.00	10,195.21	10,222.68	10,211.07	29.49	26.62	95.67	300.47	57.77	1,392.33	1,336.53	55.80	24.952	
10,350.00	10,214.88	10,241.50	10,229.89	29.51	26.61	95.95	300.24	57.94	1,393.96	1,338.18	55.77	24.993	
10,375.00	10,233.72	10,259.55	10,247.94	29.53	26.60	96.21	300.03	58.09	1,395.92	1,340.17	55.75	25.041	
10,400.00	10,251.67	10,276.79	10,265.18	29.55	26.59	96.43	299.85	58.20	1,398.23	1,342.51	55.72	25.095	
10,425.00	10,268.68	10,293.16	10,281.55	29.58	26.58	96.60	299.68	58.29	1,400.92	1,345.24	55.69	25.157	
10,450.00	10,284.71	10,308.62	10,297.01	29.62	26.57	96.71	299.53	58.35	1,404.02	1,348.36	55.66	25.226	
10,475.00	10,299.72	10,323.00	10,311.39	29.66	26.56	96.76	299.39	58.39	1,407.54	1,351.91	55.63	25.304	
10,500.00	10,313.66	10,336.80	10,325.18	29.71	26.55	96.75	299.27	58.41	1,411.50	1,355.92	55.58	25.394	
10,525.00	10,326.49	10,349.41	10,337.80	29.77	26.54	96.66	299.17	58.42	1,415.92	1,360.38	55.54	25.493	
10,550.00	10,338.19	10,360.95	10,349.33	29.84	26.52	96.48	299.07	58.42	1,420.81	1,365.31	55.50	25.600	
10,575.00	10,348.71	10,371.36	10,359.75	29.92	26.51	96.22	298.99	58.41	1,426.17	1,370.72	55.46	25.716	
10,600.00	10,358.03	10,380.63	10,369.01	30.01	26.50	95.85	298.92	58.39	1,432.03	1,376.61	55.42	25.841	
10,625.00	10,366.13	10,388.82	10,377.20	30.11	26.49	95.39	298.87	58.37	1,438.37	1,382.99	55.37	25.975	
10,650.00	10,372.97	10,396.08	10,384.46	30.22	26.49	94.82	298.81	58.35	1,445.19	1,389.86	55.33	26.118	
10,675.00	10,378.55	10,402.01	10,390.40	30.35	26.48	94.15	298.77	58.33	1,452.49	1,397.20	55.29	26.270	
10,700.00	10,382.85	10,406.60	10,394.98	30.48	26.48	93.36	298.73	58.31	1,460.25	1,405.00	55.25	26.431	
10,725.00	10,385.85	10,409.83	10,398.21	30.63	26.48	92.45	298.71	58.31	1,468.45	1,413.25	55.20	26.602	
10,750.00	10,387.54	10,411.69	10,400.07	30.79	26.48	91.42	298.69	58.30	1,477.08	1,421.93	55.15	26.781	
10,775.00	10,387.93	10,412.17	10,400.55	30.96	26.48	90.25	298.69	58.30	1,486.37	1,431.27	55.10	26.975	
10,800.00	10,387.63	10,411.93	10,400.32	31.14	26.48	90.24	298.69	58.30	1,495.51	1,440.46	55.05	27.165	
10,900.00	10,386.43	10,410.97	10,399.36	31.96	26.48	90.20	298.70	58.30	1,536.62	1,481.76	54.85	28.013	
11,000.00	10,385.22	11,590.55	11,045.81	32.94	31.11	115.14	319.87	-649.12	1,555.00	1,490.62	64.38	24.155	
11,100.00	10,384.02	11,695.85	11,042.95	34.05	32.31	114.99	325.44	-754.23	1,559.63	1,493.20	66.43	23.478	
11,200.00	10,382.82	11,805.57	11,041.34	35.27	33.71	114.90	329.94	-863.85	1,563.70	1,494.95	68.75	22.745	
11,300.00	10,381.61	11,955.29	11,040.52	36.60	35.86	114.87	332.97	-1,013.53	1,566.49	1,494.68	71.81	21.816	
11,400.00	10,380.41	12,119.23	11,042.07	38.02	38.50	115.07	326.89	-1,177.34	1,564.16	1,488.86	75.30	20.773	
11,500.00	10,379.20	12,237.54	11,041.60	39.52	40.45	115.19	320.55	-1,295.46	1,560.12	1,481.81	78.31	19.923	
11,600.00	10,378.00	12,330.37	11,040.41	41.09	42.04	115.27	315.00	-1,388.12	1,555.18	1,474.07	81.11	19.174	
11,700.00	10,376.80	12,397.00	11,039.23	42.73	43.23	115.28	312.83	-1,454.71	1,552.33	1,468.69	83.64	18.560	
11,800.00	10,375.59	12,478.42	11,037.29	44.42	44.72	115.26	311.93	-1,536.10	1,551.21	1,464.74	86.47	17.940	
11,900.00	10,374.39	12,575.60	11,034.43	46.16	46.50	115.20	311.40	-1,633.24	1,550.45	1,460.84	89.61	17.302	
12,000.00	10,373.18	12,676.85	11,031.34	47.95	48.39	115.14	310.96	-1,734.44	1,549.74	1,456.83	92.90	16.681	
12,100.00	10,371.98	12,765.78	11,028.72	49.77	50.08	115.08	310.82	-1,823.33	1,549.32	1,453.27	96.05	16.130	
12,200.00	10,370.77	12,867.08	11,026.04	51.64	52.03	115.02	310.92	-1,924.59	1,549.27	1,449.78	99.49	15.572	
12,212.79	10,370.62	12,876.67	11,025.80	51.88	52.22	115.02	310.92	-1,934.18	1,549.27	1,449.40	99.87	15.513	
12,300.00	10,369.57	12,943.87	11,024.95	53.53	53.54	115.01	311.13	-2,001.37	1,549.90	1,447.40	102.50	15.121	

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 703H
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:	703H	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)			
12,400.00	10,368.37	13,039.62	11,025.03	55.45	55.43	115.03	311.78	-2,097.12	1,551.52	1,445.61	105.91	14.650	
12,500.00	10,367.16	13,131.92	11,024.28	57.40	57.28	115.02	313.02	-2,189.41	1,553.38	1,444.07	109.30	14.211	
12,600.00	10,365.96	13,231.41	11,023.51	59.38	59.29	115.00	314.71	-2,288.88	1,555.57	1,442.68	112.90	13.779	
12,700.00	10,364.75	13,343.72	11,024.88	61.37	61.58	115.07	315.08	-2,401.18	1,557.36	1,440.61	116.75	13.339	
12,800.00	10,363.55	13,449.30	11,026.02	63.38	63.76	115.15	314.74	-2,506.74	1,558.51	1,438.01	120.49	12.934	
12,900.00	10,362.35	13,551.53	11,026.51	65.41	65.88	115.20	314.58	-2,608.98	1,559.55	1,435.34	124.21	12.556	
13,000.00	10,361.14	13,688.57	11,027.66	67.46	68.74	115.32	312.55	-2,745.99	1,559.67	1,431.04	128.63	12.125	
13,100.00	10,359.94	13,814.34	11,029.35	69.52	71.39	115.50	307.07	-2,871.63	1,557.28	1,424.51	132.77	11.730	
13,200.00	10,358.73	13,978.09	11,025.46	71.60	74.83	115.57	297.85	-3,035.04	1,552.20	1,414.61	137.59	11.281	
13,300.00	10,357.53	14,054.41	11,020.87	73.68	76.45	115.51	293.51	-3,111.09	1,545.52	1,404.47	141.05	10.957	
13,400.00	10,356.32	14,119.91	11,017.03	75.78	77.85	115.44	291.21	-3,176.45	1,540.85	1,396.53	144.32	10.677	
13,500.00	10,355.12	14,184.60	11,014.07	77.89	79.25	115.37	290.29	-3,241.06	1,538.55	1,391.04	147.52	10.430	
13,600.00	10,353.92	14,272.43	11,011.20	80.01	81.14	115.31	289.92	-3,328.84	1,537.75	1,386.58	151.17	10.172	
13,700.00	10,352.71	14,371.76	11,009.53	82.14	83.28	115.30	289.20	-3,428.15	1,537.36	1,382.32	155.05	9.915	
13,800.00	10,351.51	14,474.23	11,008.38	84.27	85.49	115.31	288.11	-3,530.61	1,536.90	1,377.92	158.98	9.667	
13,900.00	10,350.30	14,578.78	11,007.22	86.42	87.76	115.32	286.83	-3,635.14	1,536.31	1,373.33	162.98	9.427	
14,000.00	10,349.10	14,689.04	11,007.15	88.57	90.15	115.40	284.13	-3,745.37	1,535.04	1,368.00	167.04	9.190	
14,100.00	10,347.90	14,806.79	11,006.36	90.73	92.71	115.47	280.76	-3,863.06	1,533.19	1,361.92	171.27	8.952	
14,200.00	10,346.69	14,907.69	11,001.71	92.89	94.91	115.38	278.67	-3,963.82	1,530.32	1,355.00	175.32	8.729	
14,300.00	10,345.49	14,996.65	10,997.68	95.06	96.86	115.29	277.26	-4,052.69	1,527.94	1,348.80	179.14	8.529	
14,400.00	10,344.28	15,083.49	10,995.12	97.23	98.76	115.25	276.02	-4,139.48	1,526.37	1,343.50	182.87	8.347	
14,500.00	10,343.08	15,166.33	10,993.67	99.41	100.58	115.24	275.24	-4,222.29	1,525.76	1,339.29	186.47	8.182	
14,500.41	10,343.07	15,166.66	10,993.67	99.42	100.58	115.24	275.23	-4,222.63	1,525.76	1,339.28	186.49	8.182	
14,600.00	10,341.87	15,268.11	10,995.96	101.60	102.81	115.38	273.35	-4,324.02	1,526.04	1,335.69	190.34	8.017	
14,700.00	10,340.67	15,379.87	11,000.02	103.78	105.27	115.62	269.49	-4,435.65	1,525.46	1,331.14	194.32	7.850	
14,800.00	10,339.47	15,506.06	11,002.49	105.98	108.05	115.83	264.46	-4,561.71	1,523.70	1,325.10	198.61	7.672	
14,900.00	10,338.26	15,611.53	11,002.14	108.17	110.38	115.92	260.11	-4,667.09	1,520.84	1,318.25	202.59	7.507	
15,000.00	10,337.06	15,707.89	11,000.63	110.37	112.50	115.95	256.76	-4,763.38	1,518.02	1,311.55	206.46	7.352	
15,100.00	10,335.85	15,806.51	10,998.20	112.58	114.69	115.95	253.97	-4,861.93	1,515.38	1,304.94	210.44	7.201	
15,200.00	10,334.65	15,895.45	10,995.49	114.78	116.66	115.92	251.83	-4,950.80	1,512.91	1,298.65	214.26	7.061	
15,300.00	10,333.45	15,976.19	10,994.10	116.99	118.45	115.92	250.68	-5,031.52	1,511.82	1,293.98	217.85	6.940	
15,400.00	10,332.24	16,086.28	10,993.96	119.21	120.90	115.99	248.43	-5,141.58	1,510.93	1,288.93	222.00	6.806	
15,500.00	10,331.04	16,204.75	10,993.55	121.42	123.53	116.07	244.88	-5,259.99	1,509.08	1,282.79	226.29	6.669	
15,600.00	10,329.83	16,317.85	10,989.87	123.64	126.04	116.04	241.64	-5,372.99	1,506.07	1,275.45	230.62	6.530	
15,700.00	10,328.63	16,422.79	10,985.34	125.86	128.38	115.97	238.52	-5,477.79	1,502.50	1,267.66	234.84	6.398	
15,800.00	10,327.42	16,485.00	10,982.36	128.08	129.76	115.92	236.72	-5,539.90	1,499.27	1,261.08	238.19	6.295	
15,817.90	10,327.21	16,485.00	10,982.36	128.34	129.76	115.92	236.72	-5,539.90	1,499.16	1,260.80	238.36	6.289	
15,890.90	10,326.33	16,485.00	10,982.36	129.40	129.76	115.92	236.72	-5,539.90	1,500.93	1,262.17	238.77	6.286 SF	

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 703H
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:	703H	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 - 508H - OH / 67813 - Surveys (H&P 653)												Offset Site Error:	0.00 usft
Survey Program: 311-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	15.50	1.00	1.00	173.78	-963.00	105.00	968.83				
100.00	100.00	83.40	98.90	1.09	1.26	173.77	-963.04	105.09	968.76	966.41	2.35	413.016	
200.00	200.00	182.10	197.60	1.60	1.96	173.75	-963.18	105.41	968.94	965.39	3.55	272.932	
300.00	300.00	280.80	296.30	2.01	2.78	173.72	-963.43	105.97	969.25	964.47	4.78	202.805	
400.00	400.00	388.40	403.89	2.35	3.50	173.67	-963.47	106.83	969.38	963.55	5.84	166.116	
500.00	500.00	499.90	515.38	2.65	4.19	173.60	-962.23	107.93	968.39	961.59	6.80	142.424	
600.00	600.00	584.94	600.41	2.93	4.91	173.51	-961.42	109.34	967.62	959.80	7.82	123.707	
602.89	602.89	587.42	602.89	2.93	4.93	173.51	-961.41	109.40	967.62	959.77	7.85	123.255	
700.00	700.00	670.85	686.28	3.18	5.69	173.38	-961.74	111.69	968.31	959.49	8.81	109.868	
800.00	800.00	801.69	817.05	3.41	6.91	173.15	-961.46	115.48	968.52	958.20	10.32	93.851	
900.00	900.00	928.50	943.75	3.64	8.14	172.99	-956.84	117.71	965.05	953.51	11.53	83.668	
1,000.00	1,000.00	1,042.83	1,057.88	3.85	8.98	172.79	-950.45	120.20	959.76	947.52	12.24	78.398	
1,100.00	1,100.00	1,127.89	1,142.80	4.05	9.29	172.68	-945.64	121.55	954.38	941.59	12.80	74.581	
1,200.00	1,200.00	1,210.58	1,225.42	4.24	9.55	172.69	-942.75	120.88	950.80	937.48	13.33	71.349	
1,300.00	1,300.00	1,295.82	1,310.63	4.43	9.85	172.82	-941.44	118.66	948.95	935.08	13.87	68.432	
1,378.71	1,378.71	1,363.93	1,378.71	4.57	10.09	172.92	-941.27	116.94	948.51	934.21	14.30	66.348	
1,400.00	1,400.00	1,382.35	1,397.13	4.61	10.16	172.95	-941.36	116.49	948.54	934.13	14.41	65.817	
1,500.00	1,500.00	1,477.81	1,492.55	4.78	10.43	173.09	-942.39	114.29	949.32	934.45	14.87	63.820	
1,600.00	1,600.00	1,582.36	1,597.08	4.95	10.64	173.24	-943.26	111.81	949.87	934.61	15.26	62.261	
1,700.00	1,700.00	1,683.72	1,698.40	5.12	10.86	173.38	-943.73	109.48	950.06	934.43	15.63	60.795	
1,800.00	1,800.00	1,783.76	1,798.43	5.28	11.06	173.49	-944.09	107.78	950.23	934.23	15.99	59.417	
1,900.00	1,900.00	1,883.29	1,897.94	5.44	11.27	173.58	-944.44	106.34	950.41	934.06	16.35	58.136	
2,000.00	2,000.00	1,982.69	1,997.33	5.59	11.47	173.69	-944.90	104.48	950.66	933.96	16.70	56.930	
2,100.00	2,100.00	2,076.94	2,091.55	5.75	11.65	173.82	-945.67	102.33	951.23	934.21	17.02	55.877	
2,200.00	2,200.00	2,174.00	2,188.56	5.89	11.84	173.99	-947.14	99.70	952.44	935.09	17.35	54.895	
2,300.00	2,300.00	2,273.39	2,287.92	6.04	12.01	174.13	-948.77	97.51	953.85	936.19	17.66	54.012	
2,400.00	2,400.00	2,375.24	2,389.76	6.19	12.18	174.19	-950.01	96.69	954.97	937.00	17.98	53.126	
2,500.00	2,500.00	2,471.59	2,486.09	6.33	12.34	174.21	-951.27	96.39	956.24	937.95	18.29	52.287	
2,600.00	2,600.00	2,568.21	2,582.70	6.47	12.48	174.25	-952.90	96.01	957.88	939.30	18.58	51.563	
2,700.00	2,700.00	2,667.24	2,681.71	6.61	12.54	174.28	-954.83	95.70	959.79	941.01	18.78	51.100	
2,800.00	2,800.00	2,768.03	2,782.49	6.74	12.59	174.31	-956.68	95.28	961.58	942.59	18.98	50.657	
2,900.00	2,900.00	2,867.08	2,881.52	6.88	12.64	174.35	-958.67	94.83	963.52	944.34	19.18	50.226	
3,000.00	3,000.00	2,972.32	2,986.73	7.01	12.69	174.38	-960.49	94.58	965.23	945.84	19.39	49.771	
3,100.00	3,100.00	3,071.85	3,086.26	7.14	12.79	174.36	-961.68	95.05	966.47	946.82	19.65	49.196	
3,200.00	3,200.00	3,166.25	3,180.63	7.27	12.92	174.28	-963.17	96.43	968.18	948.26	19.92	48.601	
3,300.00	3,300.00	3,261.22	3,275.56	7.40	13.08	174.17	-965.11	98.62	970.45	950.22	20.22	47.986	
3,400.00	3,400.00	3,356.55	3,370.82	7.52	13.26	174.04	-967.50	101.09	973.21	952.66	20.54	47.376	
3,500.00	3,500.00	3,443.53	3,457.73	7.65	13.52	173.91	-970.30	103.60	976.73	955.82	20.91	46.708	
3,600.00	3,600.00	3,526.29	3,540.33	7.77	13.81	173.76	-974.31	106.53	981.93	960.63	21.30	46.094	
3,700.00	3,700.00	3,619.61	3,633.40	7.90	14.14	173.59	-980.25	110.19	988.66	966.92	21.74	45.472	
3,800.00	3,800.00	3,729.31	3,742.86	8.02	14.51	173.50	-986.89	112.37	994.91	972.65	22.26	44.701	
3,900.00	3,900.00	3,837.90	3,851.30	8.14	14.78	173.54	-992.67	112.38	1,000.19	977.52	22.67	44.110	
4,000.00	4,000.00	3,946.03	3,959.32	8.26	15.01	173.59	-997.56	112.00	1,004.65	981.60	23.05	43.585	
4,100.00	4,100.00	4,047.33	4,060.53	8.38	15.22	173.66	-1,001.67	111.36	1,008.62	985.21	23.40	43.096	
4,200.00	4,199.98	4,148.35	4,161.47	8.49	15.42	-6.27	-1,005.71	110.38	1,010.74	987.00	23.74	42.577	
4,300.00	4,299.84	4,249.61	4,262.65	8.55	15.56	-6.22	-1,009.65	109.31	1,009.29	985.04	24.25	41.618	
4,400.00	4,399.45	4,351.53	4,364.50	9.21	15.75	-6.22	-1,013.40	108.57	1,004.20	979.39	24.82	40.461	
4,500.00	4,498.70	4,451.25	4,464.16	9.57	15.92	-6.28	-1,016.85	108.33	995.48	970.11	25.37	39.234	
4,600.00	4,597.47	4,548.74	4,561.58	9.95	16.08	-6.39	-1,020.39	108.42	983.52	957.60	25.92	37.945	
4,700.00	4,695.62	4,649.13	4,661.90	10.32	16.29	-6.54	-1,023.97	108.61	968.07	941.55	26.52	36.505	
4,700.21	4,695.83	4,649.33	4,662.11	10.32	16.29	-6.54	-1,023.98	108.61	968.04	941.52	26.52	36.502	
4,800.00	4,793.44	4,742.91	4,755.63	10.56	16.50	-6.66	-1,027.31	108.76	950.91	923.93	26.98	35.248	

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 703H
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:	703H	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 - 508H - OH / 67813 - Surveys (H&P 653)													Offset Site Error: 0.00 usft
Survey Program: 311-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
4,900.00	4,891.25	4,830.48	4,843.11	10.73	16.72	-6.75	-1,031.36	108.48	934.73	907.36	27.37	34.147	
5,000.00	4,989.06	4,927.63	4,940.09	10.92	16.96	-6.81	-1,036.91	107.66	919.55	891.74	27.82	33.059	
5,100.00	5,086.88	5,041.93	5,054.27	11.12	17.25	-6.91	-1,042.12	107.08	903.29	874.97	28.32	31.893	
5,200.00	5,184.69	5,145.22	5,157.50	11.34	17.45	-7.04	-1,045.47	106.77	885.76	857.01	28.75	30.808	
5,300.00	5,282.50	5,246.18	5,258.41	11.58	17.65	-7.14	-1,048.55	106.10	868.00	838.80	29.20	29.725	
5,400.00	5,380.32	5,347.45	5,359.65	11.83	17.87	-7.27	-1,051.25	105.73	849.92	820.24	29.68	28.640	
5,500.00	5,478.13	5,433.05	5,445.21	12.09	18.17	-7.40	-1,053.96	105.72	832.37	802.12	30.25	27.519	
5,600.00	5,575.94	5,518.20	5,530.26	12.37	18.47	-7.55	-1,058.02	106.02	816.44	785.60	30.83	26.480	
5,700.00	5,673.76	5,618.42	5,630.31	12.66	18.84	-7.73	-1,063.75	106.54	801.47	769.98	31.49	25.450	
5,800.00	5,771.57	5,723.50	5,735.25	12.96	19.23	-7.92	-1,069.04	106.78	785.80	753.62	32.18	24.419	
5,900.00	5,869.38	5,817.99	5,829.63	13.27	19.50	-8.07	-1,073.68	106.76	769.98	737.22	32.76	23.503	
6,000.00	5,967.20	5,914.00	5,925.49	13.59	19.77	-8.22	-1,079.01	106.58	754.76	721.41	33.35	22.631	
6,100.00	6,065.01	6,008.40	6,019.72	13.92	20.05	-8.35	-1,084.73	106.26	740.02	706.07	33.96	21.793	
6,200.00	6,162.82	6,104.87	6,115.99	14.25	20.33	-8.47	-1,090.94	105.78	725.65	691.07	34.58	20.987	
6,300.00	6,260.64	6,208.01	6,218.92	14.60	20.63	-8.60	-1,097.46	105.12	711.14	675.92	35.22	20.192	
6,400.00	6,358.45	6,310.71	6,321.45	14.95	20.93	-8.73	-1,103.37	104.36	696.06	660.19	35.86	19.408	
6,500.00	6,456.26	6,412.29	6,422.88	15.31	21.23	-8.87	-1,108.74	103.58	680.52	644.02	36.51	18.640	
6,600.00	6,554.07	6,514.20	6,524.67	15.68	21.52	-9.02	-1,113.69	102.78	664.58	627.43	37.15	17.888	
6,700.00	6,651.89	6,616.73	6,627.10	16.05	21.81	-9.18	-1,118.12	101.88	648.09	610.29	37.80	17.147	
6,800.00	6,749.70	6,717.76	6,728.05	16.42	22.09	-9.34	-1,121.94	100.90	631.07	592.64	38.44	16.419	
6,900.00	6,847.51	6,817.62	6,827.85	16.81	22.37	-9.53	-1,125.44	100.01	613.80	574.73	39.07	15.709	
7,000.00	6,945.33	6,915.91	6,926.08	17.19	22.64	-9.73	-1,128.74	99.24	596.41	556.69	39.71	15.018	
7,100.00	7,043.14	7,013.55	7,023.66	17.58	22.91	-9.95	-1,132.12	98.53	579.14	538.78	40.36	14.350	
7,200.00	7,140.95	7,112.71	7,122.76	17.98	23.19	-10.19	-1,135.59	97.87	561.92	520.92	41.01	13.703	
7,300.00	7,238.77	7,212.28	7,222.27	18.38	23.47	-10.45	-1,138.88	97.23	544.53	502.87	41.65	13.072	
7,400.00	7,336.58	7,310.54	7,320.47	18.78	23.74	-10.74	-1,142.01	96.68	527.05	484.74	42.31	12.458	
7,500.00	7,434.39	7,408.65	7,418.54	19.19	24.02	-11.06	-1,145.17	96.24	509.64	466.68	42.96	11.864	
7,600.00	7,532.21	7,507.42	7,517.26	19.60	24.30	-11.41	-1,148.33	95.89	492.24	448.64	43.61	11.288	
7,700.00	7,630.02	7,606.21	7,615.99	20.01	24.58	-11.80	-1,151.42	95.57	474.80	430.54	44.26	10.727	
7,800.00	7,727.83	7,705.21	7,714.95	20.42	24.86	-12.23	-1,154.38	95.36	457.27	412.37	44.91	10.182	
7,900.00	7,825.65	7,804.28	7,813.98	20.84	25.14	-12.73	-1,157.18	95.30	439.65	394.10	45.55	9.652	
8,000.00	7,923.46	7,903.80	7,913.46	21.26	25.41	-13.29	-1,159.73	95.34	421.83	375.65	46.18	9.135	
8,100.00	8,021.27	8,004.54	8,014.19	21.68	25.65	-13.92	-1,161.96	95.45	403.73	356.98	46.76	8.635	
8,200.00	8,119.09	8,108.14	8,117.78	22.11	25.80	-14.59	-1,163.21	94.92	384.58	337.37	47.21	8.146	
8,300.00	8,216.90	8,207.06	8,216.68	22.54	25.95	-15.22	-1,163.44	93.68	364.35	316.68	47.68	7.642	
8,400.00	8,314.71	8,301.59	8,311.20	22.97	26.10	-15.86	-1,164.31	92.45	344.81	296.64	48.17	7.158	
8,500.00	8,412.53	8,397.39	8,406.98	23.40	26.30	-16.55	-1,166.06	91.30	326.21	277.51	48.70	6.699	
8,600.00	8,510.34	8,494.28	8,503.84	23.83	26.55	-17.36	-1,168.24	90.45	308.15	258.90	49.25	6.256	
8,700.00	8,608.15	8,592.09	8,601.62	24.26	26.81	-18.33	-1,170.70	89.91	290.52	240.73	49.79	5.835	
8,800.00	8,705.97	8,690.52	8,700.01	24.70	27.08	-19.48	-1,173.11	89.60	272.98	222.68	50.30	5.427	
8,900.00	8,803.78	8,789.08	8,798.55	25.14	27.35	-20.84	-1,175.39	89.45	255.49	204.74	50.76	5.034	
9,000.00	8,901.59	8,887.69	8,897.14	25.58	27.62	-22.40	-1,177.53	89.28	238.03	186.87	51.17	4.652	
9,100.00	8,999.41	8,986.08	8,995.51	26.02	27.88	-24.23	-1,179.52	89.14	220.65	169.15	51.50	4.284	
9,200.00	9,097.22	9,084.36	9,093.77	26.46	28.14	-26.43	-1,181.35	89.22	203.48	151.74	51.73	3.933	
9,300.00	9,195.03	9,182.63	9,192.03	26.91	28.39	-29.00	-1,183.22	89.16	186.61	134.79	51.83	3.601	
9,304.74	9,199.67	9,187.29	9,196.69	26.93	28.40	-29.12	-1,183.32	89.14	185.82	133.99	51.83	3.585	
9,400.00	9,293.16	9,281.30	9,290.67	27.37	28.65	-31.35	-1,185.45	88.33	171.42	119.53	51.89	3.304	
9,500.00	9,391.89	9,381.02	9,390.36	27.87	28.86	-33.56	-1,187.39	87.48	159.22	107.34	51.89	3.069	
9,600.00	9,491.12	9,480.66	9,489.99	28.35	29.08	-35.68	-1,188.69	87.11	149.88	98.01	51.87	2.889	
9,700.00	9,590.72	9,580.78	9,590.11	28.80	29.28	-37.35	-1,189.70	86.82	143.37	91.48	51.89	2.763	
9,800.00	9,690.57	9,682.14	9,691.46	29.21	29.30	-38.61	-1,189.70	86.65	139.00	87.17	51.83	2.682	
9,900.00	9,790.55	9,782.72	9,792.04	29.37	29.31	-39.42	-1,188.34	86.60	136.44	84.70	51.74	2.637	

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 703H
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:	703H	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 - 508H - OH / 67813 - Surveys (H&P 653)												Offset Site Error:	0.00 usft
Survey Program: 311-MWD+HRGM												Offset Well Error:	1.00 usft
Reference												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
9,904.95	9,795.50	9,787.60	9,796.92	29.37	29.30	140.56	-1,188.27	86.61	136.38	84.63	51.75	2.636	
10,000.00	9,890.55	9,881.40	9,890.71	29.42	29.25	140.17	-1,187.27	86.96	135.83	84.03	51.80	2.622	
10,012.36	9,902.91	9,893.60	9,902.91	29.42	29.24	140.13	-1,187.19	87.04	135.82	84.02	51.80	2.622 CC, ES	
10,019.95	9,910.50	9,901.09	9,910.40	29.42	29.24	140.10	-1,187.15	87.09	135.82	84.02	51.80	2.622 SF	
10,025.00	9,915.55	9,906.07	9,915.38	29.42	29.23	-129.63	-1,187.13	87.13	135.84	84.05	51.79	2.623	
10,050.00	9,940.53	9,930.72	9,940.02	29.42	29.22	-129.95	-1,187.04	87.33	136.49	84.81	51.69	2.641	
10,075.00	9,965.43	9,955.47	9,964.77	29.43	29.23	-130.59	-1,187.00	87.55	138.05	86.59	51.46	2.683	
10,100.00	9,990.17	9,980.21	9,989.51	29.43	29.25	-131.53	-1,186.97	87.76	140.50	89.37	51.13	2.748	
10,125.00	10,014.70	10,004.72	10,014.03	29.43	29.28	-132.70	-1,186.96	87.94	143.88	93.18	50.70	2.838	
10,150.00	10,038.95	10,028.96	10,038.26	29.43	29.30	-134.07	-1,186.97	88.09	148.25	98.06	50.19	2.954	
10,175.00	10,062.84	10,052.84	10,062.15	29.44	29.32	-135.56	-1,186.99	88.22	153.66	104.05	49.61	3.097	
10,200.00	10,086.31	10,076.32	10,085.62	29.44	29.34	-137.12	-1,187.03	88.32	160.17	111.18	48.99	3.269	
10,225.00	10,109.30	10,099.32	10,108.63	29.45	29.37	-138.70	-1,187.08	88.41	167.83	119.47	48.36	3.471	
10,250.00	10,131.75	10,121.80	10,131.10	29.46	29.39	-140.25	-1,187.14	88.47	176.65	128.92	47.73	3.701	
10,275.00	10,153.59	10,143.62	10,152.92	29.46	29.42	-141.71	-1,187.21	88.51	186.66	139.54	47.12	3.961	
10,300.00	10,174.76	10,164.75	10,174.05	29.48	29.47	-143.07	-1,187.29	88.55	197.87	151.32	46.56	4.250	
10,325.00	10,195.21	10,185.16	10,194.46	29.49	29.51	-144.28	-1,187.37	88.59	210.28	164.24	46.04	4.568	
10,350.00	10,214.88	10,204.79	10,214.09	29.51	29.55	-145.34	-1,187.46	88.62	223.85	178.28	45.57	4.912	
10,375.00	10,233.72	10,223.59	10,232.89	29.53	29.58	-146.23	-1,187.54	88.65	238.56	193.39	45.17	5.282	
10,400.00	10,251.67	10,241.51	10,250.81	29.55	29.62	-146.92	-1,187.63	88.68	254.35	209.54	44.81	5.676	
10,425.00	10,268.68	10,258.49	10,267.79	29.58	29.65	-147.41	-1,187.72	88.70	271.19	226.68	44.51	6.092	
10,450.00	10,284.71	10,274.49	10,283.79	29.62	29.68	-147.67	-1,187.81	88.72	289.01	244.75	44.26	6.530	
10,475.00	10,299.72	10,289.47	10,298.77	29.66	29.71	-147.70	-1,187.90	88.74	307.76	263.71	44.05	6.986	
10,500.00	10,313.66	10,303.39	10,312.69	29.71	29.74	-147.44	-1,187.98	88.76	327.37	283.49	43.88	7.460	
10,525.00	10,326.49	10,316.20	10,325.50	29.77	29.77	-146.87	-1,188.06	88.77	347.79	304.04	43.74	7.951	
10,550.00	10,338.19	10,327.86	10,337.16	29.84	29.79	-145.93	-1,188.14	88.78	368.93	325.30	43.63	8.456	
10,575.00	10,348.71	10,338.34	10,347.64	29.92	29.81	-144.53	-1,188.20	88.79	390.74	347.20	43.54	8.974	
10,600.00	10,358.03	10,347.62	10,356.92	30.01	29.82	-142.56	-1,188.25	88.80	413.14	369.67	43.47	9.504	
10,625.00	10,366.13	10,355.67	10,364.96	30.11	29.84	-139.83	-1,188.30	88.82	436.06	392.65	43.42	10.044	
10,650.00	10,372.97	10,362.46	10,371.76	30.22	29.85	-136.09	-1,188.34	88.83	459.44	416.07	43.37	10.593	
10,675.00	10,378.55	10,367.99	10,377.29	30.35	29.86	-130.96	-1,188.37	88.83	483.20	439.86	43.34	11.149	
10,700.00	10,382.85	10,372.24	10,381.54	30.48	29.87	-123.89	-1,188.39	88.84	507.27	463.95	43.32	11.711	
10,725.00	10,385.85	10,375.19	10,384.49	30.63	29.88	-114.21	-1,188.40	88.84	531.57	488.27	43.30	12.277	
10,750.00	10,387.54	10,376.84	10,386.14	30.79	29.88	-101.42	-1,188.41	88.85	556.04	512.75	43.28	12.846	
10,775.00	10,387.93	10,377.18	10,386.48	30.96	29.88	-85.51	-1,188.41	88.85	581.28	538.01	43.27	13.433	
10,800.00	10,387.63	10,376.86	10,386.15	31.14	29.88	-85.33	-1,188.41	88.85	605.19	561.92	43.26	13.988	
10,900.00	10,386.43	10,375.50	10,384.80	31.96	29.88	-84.60	-1,188.41	88.84	703.85	660.60	43.25	16.272	
11,000.00	10,385.22	10,374.15	10,383.45	32.94	29.87	-83.88	-1,188.40	88.84	802.84	759.58	43.27	18.555	
11,100.00	10,384.02	10,372.80	10,382.10	34.05	29.87	-83.16	-1,188.39	88.84	902.06	858.76	43.29	20.836	
11,200.00	10,382.82	10,371.46	10,380.75	35.27	29.87	-82.44	-1,188.39	88.84	1,001.42	958.10	43.32	23.115	
11,300.00	10,381.61	12,256.33	11,419.37	36.60	39.22	-176.16	-1,157.85	-1,021.44	1,040.19	990.63	49.55	20.991	
11,307.37	10,381.52	12,261.91	11,419.27	36.70	39.30	-176.14	-1,158.27	-1,027.00	1,040.18	990.58	49.60	20.970	
11,400.00	10,380.41	12,331.89	11,418.82	38.02	40.32	-175.85	-1,164.01	-1,096.75	1,041.20	991.00	50.20	20.741	
11,500.00	10,379.20	12,413.98	11,420.04	39.52	41.53	-175.46	-1,171.76	-1,178.46	1,044.51	993.66	50.84	20.544	
11,600.00	10,378.00	12,510.23	11,421.86	41.09	42.99	-174.99	-1,181.04	-1,274.24	1,048.37	996.89	51.49	20.361	
11,700.00	10,376.80	12,593.26	11,424.88	42.73	44.34	-174.78	-1,185.66	-1,357.08	1,053.62	1,001.46	52.16	20.199	
11,800.00	10,375.59	12,706.66	11,429.83	44.42	46.31	-174.63	-1,189.55	-1,470.30	1,059.51	1,006.46	53.04	19.974	
11,900.00	10,374.39	12,879.46	11,430.27	46.16	49.57	-174.88	-1,186.12	-1,642.99	1,060.73	1,006.27	54.46	19.477	
12,000.00	10,373.18	12,998.26	11,425.76	47.95	51.73	-175.20	-1,180.52	-1,761.57	1,057.70	1,002.16	55.54	19.044	
12,100.00	10,371.98	13,100.86	11,420.33	49.77	53.61	-175.31	-1,178.69	-1,864.01	1,053.42	996.94	56.47	18.653	
12,200.00	10,370.77	13,187.47	11,416.01	51.64	55.22	-175.30	-1,179.02	-1,950.51	1,049.67	992.30	57.37	18.297	
12,300.00	10,369.57	13,266.40	11,413.34	53.53	56.70	-175.20	-1,181.06	-2,029.37	1,047.67	989.42	58.25	17.986	

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 703H
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:	703H	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 - 508H - OH / 67813 - Surveys (H&P 653)													Offset Site Error: 0.00 usft
Survey Program: 311-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	
12,341.09	10,369.08	13,297.90	11,412.71	54.32	57.30	-175.14	-1,182.33	-2,060.83	1,047.48	988.86	58.61	17.872	
12,400.00	10,368.37	13,349.68	11,412.18	55.45	58.28	-175.02	-1,184.86	-2,112.55	1,047.78	988.64	59.15	17.715	
12,500.00	10,367.16	13,448.51	11,411.19	57.40	60.18	-174.86	-1,188.41	-2,211.30	1,048.25	988.13	60.12	17.435	
12,600.00	10,365.96	13,534.21	11,411.37	59.38	61.84	-174.77	-1,190.46	-2,296.98	1,049.82	988.73	61.09	17.186	
12,700.00	10,364.75	13,632.00	11,412.28	61.37	63.76	-174.69	-1,192.79	-2,394.74	1,052.11	989.99	62.12	16.936	
12,800.00	10,363.55	13,752.74	11,412.78	63.38	66.15	-174.52	-1,196.73	-2,515.41	1,054.09	990.81	63.27	16.659	
12,900.00	10,362.35	13,858.92	11,410.61	65.41	68.27	-174.35	-1,200.27	-2,621.51	1,053.48	989.08	64.40	16.358	
12,914.74	10,362.17	13,871.60	11,410.41	65.72	68.52	-174.33	-1,200.68	-2,634.18	1,053.47	988.91	64.56	16.318	
13,000.00	10,361.14	13,949.07	11,409.56	67.46	70.09	-174.20	-1,203.51	-2,711.59	1,053.83	988.35	65.47	16.096	
13,100.00	10,359.94	14,040.49	11,409.17	69.52	71.96	-174.03	-1,207.22	-2,802.93	1,054.96	988.40	66.56	15.849	
13,200.00	10,358.73	14,133.78	11,409.83	71.60	73.89	-174.02	-1,208.00	-2,896.22	1,056.89	989.18	67.70	15.611	
13,300.00	10,357.53	14,227.65	11,411.03	73.68	75.83	-174.04	-1,208.37	-2,990.07	1,059.35	990.49	68.86	15.383	
13,400.00	10,356.32	14,341.05	11,412.59	75.78	78.18	-174.10	-1,208.15	-3,103.47	1,061.88	991.73	70.16	15.136	
13,500.00	10,355.12	14,452.99	11,412.18	77.89	80.52	-174.10	-1,208.90	-3,215.40	1,062.73	991.28	71.45	14.874	
13,600.00	10,353.92	14,589.19	11,409.48	80.01	83.38	-174.16	-1,208.34	-3,351.56	1,062.02	989.15	72.86	14.575	
13,700.00	10,352.71	14,721.67	11,401.38	82.14	86.18	-174.31	-1,205.52	-3,483.76	1,056.67	982.40	74.27	14.228	
13,800.00	10,351.51	14,795.93	11,396.79	84.27	87.75	-174.37	-1,204.48	-3,557.87	1,051.60	976.12	75.48	13.932	
13,900.00	10,350.30	14,867.55	11,394.42	86.42	89.27	-174.43	-1,203.62	-3,629.44	1,049.32	972.65	76.67	13.685	
13,937.53	10,349.85	14,894.96	11,393.99	87.22	89.86	-174.44	-1,203.51	-3,656.85	1,049.14	972.01	77.12	13.603	
14,000.00	10,349.10	14,939.60	11,393.82	88.57	90.81	-174.45	-1,203.61	-3,701.49	1,049.65	971.80	77.86	13.482	
14,100.00	10,347.90	15,014.00	11,395.30	90.73	92.40	-174.43	-1,204.65	-3,775.86	1,052.83	973.80	79.03	13.322	
14,200.00	10,346.69	15,085.00	11,398.44	92.89	93.93	-174.35	-1,206.82	-3,846.75	1,058.57	978.43	80.14	13.209	
14,300.00	10,345.49	15,205.60	11,404.37	95.06	96.52	-174.19	-1,211.25	-3,967.12	1,065.08	983.40	81.68	13.040	
14,400.00	10,344.28	15,357.81	11,406.89	97.23	99.80	-174.10	-1,214.10	-4,119.27	1,068.34	984.92	83.42	12.807	
14,500.00	10,343.08	15,515.82	11,400.12	99.41	103.22	-174.10	-1,214.51	-4,277.11	1,065.02	979.93	85.09	12.517	
14,600.00	10,341.87	15,629.63	11,391.64	101.60	105.68	-174.10	-1,214.37	-4,390.61	1,058.71	972.22	86.49	12.241	
14,700.00	10,340.67	15,721.24	11,384.68	103.78	107.67	-174.17	-1,212.82	-4,481.94	1,052.13	964.30	87.83	11.980	
14,800.00	10,339.47	15,811.55	11,379.15	105.98	109.64	-174.36	-1,209.37	-4,572.00	1,046.78	957.62	89.16	11.741	
14,900.00	10,338.26	15,892.48	11,374.78	108.17	111.41	-174.53	-1,206.48	-4,652.76	1,042.29	951.82	90.47	11.521	
15,000.00	10,337.06	15,950.00	11,373.10	110.37	112.67	-174.57	-1,205.79	-4,710.25	1,040.71	949.08	91.63	11.358	
15,010.43	10,336.93	15,966.49	11,372.89	110.60	113.04	-174.58	-1,205.83	-4,726.74	1,040.66	948.83	91.83	11.333	
15,100.00	10,335.85	16,026.65	11,373.13	112.58	114.36	-174.55	-1,206.69	-4,786.90	1,042.17	949.26	92.91	11.217	
15,200.00	10,334.65	16,133.12	11,375.10	114.78	116.70	-174.45	-1,209.47	-4,893.31	1,045.44	951.03	94.41	11.073	
15,300.00	10,333.45	16,267.04	11,374.06	116.99	119.64	-174.34	-1,212.26	-5,027.19	1,045.93	949.85	96.08	10.886	
15,400.00	10,332.24	16,361.51	11,372.10	119.21	121.72	-174.33	-1,212.71	-5,121.64	1,045.07	947.60	97.47	10.722	
15,411.80	10,332.10	16,370.81	11,371.98	119.47	121.93	-174.33	-1,212.75	-5,130.94	1,045.06	947.43	97.63	10.705	
15,500.00	10,331.04	16,445.45	11,371.69	121.42	123.57	-174.32	-1,213.44	-5,205.57	1,045.78	946.98	98.80	10.585	
15,600.00	10,329.83	16,544.61	11,371.80	123.64	125.76	-174.28	-1,214.87	-5,304.72	1,047.18	946.95	100.24	10.447	
15,700.00	10,328.63	16,669.11	11,370.94	125.86	128.50	-174.18	-1,217.47	-5,429.19	1,047.97	946.10	101.87	10.288	
15,800.00	10,327.42	16,768.00	11,367.84	128.08	130.69	-174.06	-1,219.87	-5,528.00	1,046.25	942.90	103.35	10.124	
15,808.92	10,327.32	16,768.00	11,367.84	128.21	130.69	-174.06	-1,219.87	-5,528.00	1,046.21	942.82	103.39	10.120	
15,890.90	10,326.33	16,768.00	11,367.84	129.40	130.69	-174.06	-1,219.87	-5,528.00	1,049.42	945.56	103.86	10.104	

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 703H
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:	703H	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)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	1.00	1.00	0.00	60.00	0.00	60.00				
100.00	100.00	100.00	100.00	1.09	1.09	0.00	60.00	0.00	60.00	57.83	2.17	27.639	
200.00	200.00	200.00	200.00	1.60	1.60	0.00	60.00	0.00	60.00	56.80	3.20	18.750	
300.00	300.00	300.00	300.00	2.01	2.01	0.00	60.00	0.00	60.00	55.98	4.02	14.920	
400.00	400.00	400.00	400.00	2.35	2.35	0.00	60.00	0.00	60.00	55.29	4.71	12.747	
500.00	500.00	500.00	500.00	2.65	2.65	0.00	60.00	0.00	60.00	54.69	5.31	11.300	
600.00	600.00	600.00	600.00	2.93	2.93	0.00	60.00	0.00	60.00	54.14	5.86	10.247	
700.00	700.00	700.00	700.00	3.18	3.18	0.00	60.00	0.00	60.00	53.64	6.36	9.436	
800.00	800.00	800.00	800.00	3.41	3.41	0.00	60.00	0.00	60.00	53.17	6.83	8.787	
900.00	900.00	900.00	900.00	3.64	3.64	0.00	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	0.00	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	0.00	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	0.00	60.00	0.00	60.00	51.52	8.48	7.073	
1,300.00	1,300.00	1,300.00	1,300.00	4.43	4.43	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	60.00	0.00	60.00	43.47	16.53	3.631 CC, ES, SF	
4,100.00	4,100.00	4,097.91	4,097.89	8.38	8.48	0.00	61.67	0.00	61.71	44.85	16.86	3.660	
4,200.00	4,199.98	4,196.54	4,196.41	8.49	8.62	180.00	66.36	0.00	68.20	51.11	17.09	3.990	
4,300.00	4,299.84	4,295.99	4,295.72	8.85	8.74	180.00	71.57	0.00	78.65	61.07	17.58	4.474	
4,400.00	4,399.45	4,395.01	4,394.61	9.21	8.89	180.00	76.75	0.00	92.57	74.48	18.09	5.118	
4,500.00	4,498.70	4,493.49	4,492.95	9.57	9.05	180.00	81.90	0.00	109.93	91.32	18.61	5.908	
4,600.00	4,597.47	4,591.30	4,590.62	9.95	9.22	180.00	87.02	0.00	130.72	111.58	19.14	6.829	
4,700.00	4,695.62	4,688.32	4,687.52	10.32	9.40	180.00	92.10	0.00	154.91	135.22	19.69	7.867	
4,700.21	4,695.83	4,688.52	4,687.72	10.32	9.40	180.00	92.11	0.00	154.97	135.28	19.69	7.870	
4,800.00	4,793.44	4,784.91	4,783.97	10.56	9.58	180.00	97.15	0.00	180.80	160.70	20.11	8.992	
4,900.00	4,891.25	4,881.50	4,880.43	10.73	9.77	180.00	102.21	0.00	206.69	186.23	20.46	10.100	
5,000.00	4,989.06	4,978.09	4,976.89	10.92	9.97	180.00	107.27	0.00	232.58	211.73	20.85	11.156	

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 703H
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:	703H	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	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,086.88	5,074.68	5,073.35	11.12	10.17	180.00	112.32	0.00	258.47	237.21	21.26	12.160	
5,200.00	5,184.69	5,171.28	5,169.81	11.34	10.38	180.00	117.38	0.00	284.36	262.67	21.69	13.112	
5,300.00	5,282.50	5,267.87	5,266.27	11.58	10.60	180.00	122.43	0.00	310.25	288.11	22.14	14.014	
5,400.00	5,380.32	5,364.46	5,362.72	11.83	10.82	180.00	127.49	0.00	336.14	313.53	22.61	14.867	
5,500.00	5,478.13	5,461.05	5,459.18	12.09	11.05	180.00	132.54	0.00	362.03	338.93	23.10	15.672	
5,600.00	5,575.94	5,557.64	5,555.64	12.37	11.29	180.00	137.60	0.00	387.92	364.31	23.61	16.432	
5,700.00	5,673.76	5,654.23	5,652.10	12.66	11.53	180.00	142.65	0.00	413.80	389.67	24.13	17.147	
5,800.00	5,771.57	5,750.82	5,748.56	12.96	11.77	180.00	147.71	0.00	439.69	415.02	24.67	17.821	
5,900.00	5,869.38	5,847.41	5,845.02	13.27	12.02	180.00	152.76	0.00	465.58	440.35	25.23	18.456	
6,000.00	5,967.20	5,944.00	5,941.47	13.59	12.27	180.00	157.82	0.00	491.47	465.68	25.80	19.053	
6,100.00	6,065.01	6,040.59	6,037.93	13.92	12.53	180.00	162.87	0.00	517.36	490.98	26.38	19.615	
6,200.00	6,162.82	6,137.18	6,134.39	14.25	12.78	180.00	167.93	0.00	543.25	516.28	26.97	20.144	
6,300.00	6,260.64	6,233.77	6,230.85	14.60	13.05	180.00	172.98	0.00	569.14	541.57	27.57	20.642	
6,400.00	6,358.45	6,330.36	6,327.31	14.95	13.31	180.00	178.04	0.00	595.03	566.84	28.19	21.111	
6,500.00	6,456.26	6,426.95	6,423.77	15.31	13.58	180.00	183.09	0.00	620.92	592.11	28.81	21.553	
6,600.00	6,554.07	6,523.55	6,520.22	15.68	13.85	180.00	188.15	0.00	646.80	617.36	29.44	21.969	
6,700.00	6,651.89	6,620.14	6,616.68	16.05	14.13	180.00	193.20	0.00	672.69	642.61	30.08	22.361	
6,800.00	6,749.70	6,716.73	6,713.14	16.42	14.40	180.00	198.26	0.00	698.58	667.85	30.73	22.732	
6,900.00	6,847.51	6,813.32	6,809.60	16.81	14.68	180.00	203.31	0.00	724.47	693.08	31.39	23.081	
7,000.00	6,945.33	6,909.91	6,906.06	17.19	14.96	180.00	208.37	0.00	750.36	718.31	32.05	23.411	
7,100.00	7,043.14	7,006.50	7,002.52	17.58	15.24	180.00	213.42	0.00	776.25	743.53	32.72	23.723	
7,200.00	7,140.95	7,103.09	7,098.97	17.98	15.53	180.00	218.48	0.00	802.14	768.74	33.40	24.018	
7,300.00	7,238.77	7,199.68	7,195.43	18.38	15.82	180.00	223.53	0.00	828.03	793.95	34.08	24.297	
7,400.00	7,336.58	7,296.27	7,291.89	18.78	16.10	180.00	228.59	0.00	853.92	819.15	34.77	24.562	
7,500.00	7,434.39	7,392.86	7,388.35	19.19	16.39	180.00	233.64	0.00	879.81	844.35	35.46	24.812	
7,600.00	7,532.21	7,489.45	7,484.81	19.60	16.69	180.00	238.70	0.00	905.69	869.54	36.16	25.050	
7,700.00	7,630.02	7,586.04	7,581.27	20.01	16.98	180.00	243.75	0.00	931.58	894.73	36.86	25.276	
7,800.00	7,727.83	7,682.63	7,677.72	20.42	17.27	180.00	248.81	0.00	957.47	919.91	37.56	25.490	
7,900.00	7,825.65	7,779.22	7,774.18	20.84	17.57	180.00	253.87	0.00	983.36	945.09	38.27	25.693	
8,000.00	7,923.46	7,878.98	7,873.80	21.26	17.86	180.00	259.07	0.00	1,009.24	970.25	38.99	25.882	
8,100.00	8,021.27	8,026.51	8,021.27	21.68	18.26	180.00	262.54	0.00	1,032.29	992.35	39.94	25.845	
8,200.00	8,119.09	8,124.32	8,119.09	22.11	18.32	180.00	262.54	0.00	1,053.09	1,012.66	40.43	26.050	
8,300.00	8,216.90	8,222.14	8,216.90	22.54	18.38	180.00	262.54	0.00	1,073.88	1,032.96	40.92	26.244	
8,400.00	8,314.71	8,319.95	8,314.71	22.97	18.45	180.00	262.54	0.00	1,094.68	1,053.27	41.42	26.431	
8,500.00	8,412.53	8,417.76	8,412.53	23.40	18.52	180.00	262.54	0.00	1,115.48	1,073.56	41.92	26.613	
8,600.00	8,510.34	8,515.58	8,510.34	23.83	18.59	180.00	262.54	0.00	1,136.28	1,093.86	42.42	26.789	
8,700.00	8,608.15	8,613.39	8,608.15	24.26	18.65	180.00	262.54	0.00	1,157.08	1,114.16	42.92	26.960	
8,800.00	8,705.97	8,711.20	8,705.97	24.70	18.72	180.00	262.54	0.00	1,177.87	1,134.45	43.42	27.126	
8,900.00	8,803.78	8,809.01	8,803.78	25.14	18.79	180.00	262.54	0.00	1,198.67	1,154.74	43.93	27.287	
9,000.00	8,901.59	8,906.83	8,901.59	25.58	18.86	180.00	262.54	0.00	1,219.47	1,175.03	44.44	27.443	
9,100.00	8,999.41	9,004.64	8,999.41	26.02	18.93	180.00	262.54	0.00	1,240.27	1,195.32	44.95	27.595	
9,200.00	9,097.22	9,102.45	9,097.22	26.46	19.00	180.00	262.54	0.00	1,261.07	1,215.61	45.46	27.742	
9,300.00	9,195.03	9,200.27	9,195.03	26.91	19.06	180.00	262.54	0.00	1,281.87	1,235.90	45.97	27.885	
9,304.74	9,199.67	9,204.90	9,199.67	26.93	19.07	180.00	262.54	0.00	1,282.85	1,236.86	45.99	27.892	
9,400.00	9,293.16	9,298.39	9,293.16	27.37	19.13	180.00	262.54	0.00	1,301.11	1,254.61	46.50	27.980	
9,500.00	9,391.89	9,397.13	9,391.89	27.87	19.20	180.00	262.54	0.00	1,316.93	1,269.85	47.07	27.977	
9,600.00	9,491.12	9,496.36	9,491.12	28.35	19.27	180.00	262.54	0.00	1,329.28	1,281.66	47.62	27.912	
9,700.00	9,590.72	9,595.96	9,590.72	28.80	19.34	180.00	262.54	0.00	1,338.17	1,290.02	48.15	27.794	
9,800.00	9,690.57	9,695.81	9,690.57	29.21	19.41	180.00	262.54	0.00	1,343.58	1,294.95	48.62	27.632	
9,900.00	9,790.55	9,795.78	9,790.55	29.37	19.48	180.00	262.54	0.00	1,345.49	1,296.64	48.85	27.544	
9,904.95	9,795.50	9,800.73	9,795.50	29.37	19.49	0.00	262.54	0.00	1,345.50	1,296.64	48.86	27.538	
10,000.00	9,890.55	9,895.78	9,890.55	29.42	19.55	0.00	262.54	0.00	1,345.50	1,296.52	48.98	27.473	

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 703H
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:	703H	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	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,019.95	9,910.50	9,915.73	9,910.50	29.42	19.56	0.00	262.54	0.00	1,345.50	1,296.51	48.99	27.467	
10,025.00	9,915.55	9,920.25	9,915.01	29.42	19.56	90.30	262.54	-0.02	1,345.50	1,296.51	48.99	27.467	
10,050.00	9,940.53	9,942.61	9,937.36	29.42	19.57	90.30	262.57	-0.76	1,345.54	1,296.55	48.98	27.469	
10,075.00	9,965.43	9,964.98	9,959.66	29.43	19.57	90.30	262.65	-2.54	1,345.63	1,296.65	48.98	27.470	
10,100.00	9,990.17	9,987.36	9,981.86	29.43	19.58	90.29	262.77	-5.36	1,345.78	1,296.80	48.99	27.473	
10,125.00	10,014.70	10,009.76	10,003.92	29.43	19.59	90.29	262.93	-9.22	1,345.99	1,297.00	48.99	27.475	
10,150.00	10,038.95	10,032.18	10,025.79	29.43	19.60	90.28	263.13	-14.12	1,346.25	1,297.26	48.99	27.478	
10,175.00	10,062.84	10,054.62	10,047.44	29.44	19.61	90.27	263.38	-20.04	1,346.56	1,297.57	49.00	27.482	
10,200.00	10,086.31	10,077.10	10,068.81	29.44	19.62	90.26	263.67	-26.98	1,346.93	1,297.93	49.01	27.485	
10,225.00	10,109.30	10,100.00	10,090.23	29.45	19.64	90.25	264.01	-35.09	1,347.35	1,298.34	49.02	27.487	
10,250.00	10,131.75	10,122.15	10,110.55	29.46	19.66	90.24	264.38	-43.89	1,347.83	1,298.80	49.03	27.489	
10,275.00	10,153.59	10,144.75	10,130.83	29.46	19.68	90.23	264.80	-53.83	1,348.35	1,299.30	49.05	27.489	
10,300.00	10,174.76	10,167.40	10,150.67	29.48	19.70	90.21	265.26	-64.74	1,348.93	1,299.85	49.07	27.488	
10,325.00	10,195.21	10,190.10	10,170.01	29.49	19.73	90.20	265.75	-76.62	1,349.55	1,300.44	49.10	27.483	
10,350.00	10,214.88	10,212.86	10,188.82	29.51	19.76	90.18	266.29	-89.43	1,350.22	1,301.08	49.14	27.476	
10,375.00	10,233.72	10,235.69	10,207.04	29.53	19.80	90.17	266.87	-103.16	1,350.93	1,301.74	49.19	27.465	
10,400.00	10,251.67	10,258.59	10,224.64	29.55	19.84	90.15	267.48	-117.80	1,351.69	1,302.45	49.25	27.448	
10,425.00	10,268.68	10,281.57	10,241.58	29.58	19.88	90.13	268.13	-133.31	1,352.50	1,303.18	49.31	27.426	
10,450.00	10,284.71	10,304.63	10,257.80	29.62	19.94	90.11	268.82	-149.68	1,353.34	1,303.94	49.40	27.397	
10,475.00	10,299.72	10,327.77	10,273.27	29.66	20.00	90.09	269.54	-166.88	1,354.22	1,304.73	49.50	27.360	
10,500.00	10,313.66	10,351.01	10,287.94	29.71	20.06	90.08	270.29	-184.88	1,355.14	1,305.53	49.61	27.315	
10,525.00	10,326.49	10,375.00	10,302.15	29.77	20.14	90.06	271.10	-204.19	1,356.10	1,306.35	49.75	27.258	
10,550.00	10,338.19	10,397.78	10,314.73	29.84	20.23	90.03	271.90	-223.16	1,357.08	1,307.18	49.90	27.195	
10,575.00	10,348.71	10,421.33	10,326.76	29.92	20.33	90.01	272.74	-243.38	1,358.10	1,308.02	50.08	27.118	
10,600.00	10,358.03	10,444.98	10,337.84	30.01	20.43	89.99	273.62	-264.26	1,359.15	1,308.86	50.28	27.030	
10,625.00	10,366.13	10,468.76	10,347.91	30.11	20.56	89.97	274.52	-285.77	1,360.22	1,309.71	50.51	26.930	
10,650.00	10,372.97	10,492.65	10,356.94	30.22	20.69	89.95	275.45	-307.88	1,361.31	1,310.55	50.76	26.818	
10,675.00	10,378.55	10,516.68	10,364.89	30.35	20.84	89.93	276.40	-330.53	1,362.42	1,311.39	51.04	26.694	
10,700.00	10,382.85	10,540.83	10,371.72	30.48	21.00	89.91	277.37	-353.67	1,363.56	1,312.21	51.34	26.558	
10,725.00	10,385.85	10,565.13	10,377.40	30.63	21.17	89.89	278.35	-377.27	1,364.70	1,313.03	51.67	26.410	
10,750.00	10,387.54	10,589.56	10,381.90	30.79	21.36	89.87	279.36	-401.26	1,365.86	1,313.83	52.03	26.252	
10,775.00	10,387.93	10,614.83	10,385.25	30.96	21.57	89.86	280.41	-426.28	1,367.06	1,314.64	52.42	26.079	
10,800.00	10,387.63	10,638.92	10,387.21	31.14	21.78	89.95	281.41	-450.27	1,368.20	1,315.39	52.81	25.907	
10,900.00	10,386.43	10,800.67	10,386.38	31.96	23.54	90.00	285.27	-611.93	1,371.39	1,315.91	55.48	24.719	
11,000.00	10,385.22	10,916.16	10,384.99	32.94	25.04	90.00	283.78	-727.41	1,370.55	1,312.60	57.95	23.649	
11,100.00	10,384.02	11,016.16	10,383.78	34.05	26.49	90.00	282.33	-827.38	1,369.62	1,309.14	60.48	22.646	
11,200.00	10,382.82	11,116.16	10,382.58	35.27	28.04	90.00	280.88	-927.36	1,368.69	1,305.45	63.24	21.644	
11,300.00	10,381.61	11,216.15	10,381.38	36.60	29.69	90.00	279.43	-1,027.34	1,367.76	1,301.57	66.19	20.664	
11,400.00	10,380.41	11,316.15	10,380.18	38.02	31.43	90.00	277.98	-1,127.32	1,366.82	1,297.51	69.32	19.718	
11,500.00	10,379.20	11,416.14	10,378.97	39.52	33.23	90.00	276.53	-1,227.30	1,365.89	1,293.30	72.60	18.815	
11,600.00	10,378.00	11,516.14	10,377.77	41.09	35.08	90.00	275.08	-1,327.27	1,364.96	1,288.95	76.01	17.959	
11,700.00	10,376.80	11,616.13	10,376.57	42.73	36.99	90.00	273.63	-1,427.25	1,364.03	1,284.50	79.53	17.151	
11,800.00	10,375.59	11,716.13	10,375.37	44.42	38.93	90.00	272.18	-1,527.23	1,363.10	1,279.94	83.16	16.392	
11,900.00	10,374.39	11,816.13	10,374.17	46.16	40.91	90.00	270.72	-1,627.21	1,362.16	1,275.30	86.87	15.681	
12,000.00	10,373.18	11,916.12	10,372.96	47.95	42.92	90.00	269.27	-1,727.19	1,361.23	1,270.57	90.66	15.015	
12,100.00	10,371.98	12,016.12	10,371.76	49.77	44.96	90.00	267.82	-1,827.16	1,360.30	1,265.78	94.52	14.392	
12,200.00	10,370.77	12,116.11	10,370.56	51.64	47.02	90.00	266.37	-1,927.14	1,359.37	1,260.93	98.43	13.810	
12,300.00	10,369.57	12,216.11	10,369.36	53.53	49.10	90.00	264.92	-2,027.12	1,358.43	1,256.03	102.41	13.265	
12,400.00	10,368.37	12,316.10	10,368.15	55.45	51.20	90.00	263.47	-2,127.10	1,357.50	1,251.08	106.43	12.755	
12,500.00	10,367.16	12,416.10	10,366.95	57.40	53.31	90.00	262.02	-2,227.08	1,356.57	1,246.08	110.49	12.278	
12,600.00	10,365.96	12,516.10	10,365.75	59.38	55.44	90.00	260.57	-2,327.05	1,355.64	1,241.05	114.59	11.831	
12,700.00	10,364.75	12,616.09	10,364.55	61.37	57.58	90.00	259.12	-2,427.03	1,354.71	1,235.98	118.72	11.411	

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 703H
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:	703H	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					Rule Assigned:				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	10,363.55	12,716.09	10,363.35	63.38	59.73	90.00	257.67	-2,527.01	1,353.77	1,230.89	122.89	11.016		
12,900.00	10,362.35	12,816.08	10,362.14	65.41	61.89	90.00	256.22	-2,626.99	1,352.84	1,225.76	127.08	10.646		
13,000.00	10,361.14	12,916.08	10,360.94	67.46	64.05	90.00	254.77	-2,726.97	1,351.91	1,220.61	131.30	10.297		
13,100.00	10,359.94	13,016.07	10,359.74	69.52	66.23	90.00	253.31	-2,826.94	1,350.98	1,215.44	135.54	9.968		
13,200.00	10,358.73	13,116.07	10,358.54	71.60	68.41	90.00	251.86	-2,926.92	1,350.05	1,210.25	139.80	9.657		
13,300.00	10,357.53	13,216.06	10,357.33	73.68	70.60	90.00	250.41	-3,026.90	1,349.11	1,205.03	144.08	9.364		
13,400.00	10,356.32	13,316.06	10,356.13	75.78	72.80	90.00	248.96	-3,126.88	1,348.18	1,199.80	148.38	9.086		
13,500.00	10,355.12	13,416.06	10,354.93	77.89	75.00	90.00	247.51	-3,226.85	1,347.25	1,194.56	152.69	8.823		
13,600.00	10,353.92	13,516.05	10,353.73	80.01	77.21	90.00	246.06	-3,326.83	1,346.32	1,189.30	157.02	8.574		
13,700.00	10,352.71	13,616.05	10,352.52	82.14	79.42	90.00	244.61	-3,426.81	1,345.38	1,184.02	161.36	8.338		
13,800.00	10,351.51	13,716.04	10,351.32	84.27	81.63	90.00	243.16	-3,526.79	1,344.45	1,178.74	165.72	8.113		
13,900.00	10,350.30	13,816.04	10,350.12	86.42	83.85	90.00	241.71	-3,626.77	1,343.52	1,173.44	170.08	7.899		
14,000.00	10,349.10	13,916.03	10,348.92	88.57	86.07	90.00	240.26	-3,726.74	1,342.59	1,168.13	174.46	7.696		
14,100.00	10,347.90	14,016.03	10,347.72	90.73	88.30	90.00	238.81	-3,826.72	1,341.66	1,162.81	178.84	7.502		
14,200.00	10,346.69	14,116.03	10,346.51	92.89	90.53	90.00	237.35	-3,926.70	1,340.72	1,157.48	183.24	7.317		
14,300.00	10,345.49	14,216.02	10,345.31	95.06	92.76	90.00	235.90	-4,026.68	1,339.79	1,152.15	187.64	7.140		
14,400.00	10,344.28	14,316.02	10,344.11	97.23	94.99	90.00	234.45	-4,126.66	1,338.86	1,146.81	192.05	6.971		
14,500.00	10,343.08	14,416.01	10,342.91	99.41	97.23	90.00	233.00	-4,226.63	1,337.93	1,141.45	196.47	6.810		
14,600.00	10,341.87	14,516.01	10,341.70	101.60	99.47	90.00	231.55	-4,326.61	1,337.00	1,136.10	200.90	6.655		
14,700.00	10,340.67	14,616.00	10,340.50	103.78	101.71	90.00	230.10	-4,426.59	1,336.06	1,130.73	205.33	6.507		
14,800.00	10,339.47	14,716.00	10,339.30	105.98	103.95	90.00	228.65	-4,526.57	1,335.13	1,125.36	209.77	6.365		
14,900.00	10,338.26	14,816.00	10,338.10	108.17	106.19	90.00	227.20	-4,626.55	1,334.20	1,119.98	214.21	6.228		
15,000.00	10,337.06	14,915.99	10,336.89	110.37	108.44	90.00	225.75	-4,726.52	1,333.27	1,114.60	218.66	6.097		
15,100.00	10,335.85	15,015.99	10,335.69	112.58	110.69	90.00	224.30	-4,826.50	1,332.33	1,109.22	223.12	5.971		
15,200.00	10,334.65	15,115.98	10,334.49	114.78	112.94	90.00	222.85	-4,926.48	1,331.40	1,103.82	227.58	5.850		
15,300.00	10,333.45	15,215.98	10,333.29	116.99	115.19	90.00	221.40	-5,026.46	1,330.47	1,098.43	232.04	5.734		
15,400.00	10,332.24	15,315.97	10,332.09	119.21	117.44	90.00	219.94	-5,126.43	1,329.54	1,093.03	236.51	5.621		
15,500.00	10,331.04	15,415.97	10,330.88	121.42	119.70	90.00	218.49	-5,226.41	1,328.61	1,087.62	240.98	5.513		
15,600.00	10,329.83	15,515.96	10,329.68	123.64	121.95	90.00	217.04	-5,326.39	1,327.67	1,082.22	245.46	5.409		
15,700.00	10,328.63	15,615.96	10,328.48	125.86	124.21	90.00	215.59	-5,426.37	1,326.74	1,076.81	249.94	5.308		
15,800.00	10,327.42	15,715.96	10,327.28	128.08	126.33	90.00	214.14	-5,526.35	1,325.81	1,071.52	254.29	5.214		
15,890.90	10,326.33	15,794.62	10,326.33	129.40	127.48	90.00	213.00	-5,605.00	1,325.02	1,068.33	256.69	5.162		

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 703H
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:	703H	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 - 702H - 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		Offset Wellbore Centre		Distance		Minimum	Separation	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	
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, ES, SF
4,100.00	4,100.00	4,098.94	4,098.92	8.38	8.49	-0.56	31.68	-0.31	31.70	14.84	16.86	1.880
4,200.00	4,199.98	4,198.14	4,198.00	8.49	8.62	178.23	36.34	-1.18	38.16	21.06	17.09	2.232
4,300.00	4,299.84	4,297.59	4,297.32	8.85	8.75	177.47	41.47	-2.13	48.56	30.98	17.58	2.762
4,400.00	4,399.45	4,396.62	4,396.21	9.21	8.89	177.14	46.57	-3.07	62.42	44.34	18.08	3.452
4,500.00	4,498.70	4,495.10	4,494.56	9.57	9.05	177.06	51.64	-4.01	79.73	61.13	18.60	4.286
4,600.00	4,597.47	4,592.92	4,592.25	9.95	9.22	177.10	56.68	-4.95	100.46	81.33	19.14	5.250
4,700.00	4,695.62	4,689.96	4,689.15	10.32	9.40	177.20	61.68	-5.88	124.59	104.91	19.68	6.330
4,700.21	4,695.83	4,690.17	4,689.36	10.32	9.40	177.20	61.69	-5.88	124.65	104.96	19.68	6.332
4,800.00	4,793.44	4,786.57	4,785.63	10.56	9.58	177.32	66.66	-6.80	150.42	130.32	20.10	7.485
4,900.00	4,891.25	4,883.18	4,882.10	10.73	9.77	177.40	71.64	-7.72	176.25	155.79	20.45	8.617
5,000.00	4,989.06	4,979.79	4,978.58	10.92	9.97	177.46	76.62	-8.65	202.07	181.24	20.84	9.699

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



Anticollision Report



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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)
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Reference Well:	703H	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 - 702H - 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)			
5,100.00	5,086.88	5,076.39	5,075.05	11.12	10.17	177.51	81.59	-9.57	227.90	206.66	21.24	10.729	
5,200.00	5,184.69	5,173.00	5,171.53	11.34	10.38	177.55	86.57	-10.49	253.73	232.06	21.67	11.709	
5,300.00	5,282.50	5,269.61	5,268.00	11.58	10.60	177.58	91.55	-11.41	279.55	257.43	22.12	12.639	
5,400.00	5,380.32	5,366.21	5,364.47	11.83	10.82	177.60	96.53	-12.34	305.38	282.79	22.59	13.520	
5,500.00	5,478.13	5,462.82	5,460.95	12.09	11.05	177.62	101.51	-13.26	331.21	308.13	23.08	14.353	
5,600.00	5,575.94	5,559.43	5,557.42	12.37	11.29	177.64	106.48	-14.18	357.03	333.45	23.58	15.140	
5,700.00	5,673.76	5,656.04	5,653.90	12.66	11.53	177.66	111.46	-15.11	382.86	358.76	24.10	15.884	
5,800.00	5,771.57	5,752.64	5,750.37	12.96	11.77	177.67	116.44	-16.03	408.69	384.05	24.64	16.585	
5,900.00	5,869.38	5,849.25	5,846.85	13.27	12.02	177.68	121.42	-16.95	434.52	409.32	25.19	17.247	
6,000.00	5,967.20	5,945.86	5,943.32	13.59	12.27	177.70	126.40	-17.88	460.34	434.58	25.76	17.871	
6,100.00	6,065.01	6,042.46	6,039.80	13.92	12.52	177.71	131.37	-18.80	486.17	459.83	26.34	18.460	
6,200.00	6,162.82	6,139.07	6,136.27	14.25	12.78	177.71	136.35	-19.72	512.00	485.07	26.93	19.015	
6,300.00	6,260.64	6,235.68	6,232.74	14.60	13.05	177.72	141.33	-20.65	537.83	510.30	27.53	19.538	
6,400.00	6,358.45	6,332.29	6,329.22	14.95	13.31	177.73	146.31	-21.57	563.65	535.51	28.14	20.032	
6,500.00	6,456.26	6,428.89	6,425.69	15.31	13.58	177.74	151.29	-22.49	589.48	560.72	28.76	20.497	
6,600.00	6,554.07	6,525.50	6,522.17	15.68	13.85	177.74	156.26	-23.42	615.31	585.92	29.39	20.937	
6,700.00	6,651.89	6,622.11	6,618.64	16.05	14.13	177.75	161.24	-24.34	641.13	611.11	30.03	21.352	
6,800.00	6,749.70	6,718.71	6,715.12	16.42	14.40	177.75	166.22	-25.26	666.96	636.29	30.67	21.745	
6,900.00	6,847.51	6,815.32	6,811.59	16.81	14.68	177.76	171.20	-26.19	692.79	661.46	31.33	22.116	
7,000.00	6,945.33	6,911.93	6,908.07	17.19	14.96	177.76	176.18	-27.11	718.62	686.63	31.99	22.466	
7,100.00	7,043.14	7,008.54	7,004.54	17.58	15.24	177.77	181.15	-28.03	744.44	711.79	32.65	22.799	
7,200.00	7,140.95	7,105.14	7,101.01	17.98	15.53	177.77	186.13	-28.95	770.27	736.95	33.33	23.113	
7,300.00	7,238.77	7,201.75	7,197.49	18.38	15.82	177.77	191.11	-29.88	796.10	762.09	34.00	23.411	
7,400.00	7,336.58	7,298.36	7,293.96	18.78	16.10	177.78	196.09	-30.80	821.93	787.24	34.69	23.694	
7,500.00	7,434.39	7,394.97	7,390.44	19.19	16.39	177.78	201.06	-31.72	847.75	812.38	35.38	23.963	
7,600.00	7,532.21	7,491.57	7,486.91	19.60	16.69	177.78	206.04	-32.65	873.58	837.51	36.07	24.218	
7,700.00	7,630.02	7,588.18	7,583.39	20.01	16.98	177.79	211.02	-33.57	899.41	862.64	36.77	24.460	
7,800.00	7,727.83	7,684.79	7,679.86	20.42	17.27	177.79	216.00	-34.49	925.24	887.76	37.47	24.690	
7,900.00	7,825.65	7,781.39	7,776.34	20.84	17.57	177.79	220.98	-35.42	951.06	912.88	38.18	24.910	
8,000.00	7,923.46	7,878.00	7,872.81	21.26	17.87	177.79	225.95	-36.34	976.89	938.00	38.89	25.119	
8,100.00	8,021.27	7,974.61	7,969.28	21.68	18.17	177.80	230.93	-37.26	1,002.72	963.11	39.61	25.318	
8,200.00	8,119.09	8,071.22	8,065.76	22.11	18.47	177.80	235.91	-38.19	1,028.55	988.22	40.32	25.507	
8,300.00	8,216.90	8,165.04	8,159.44	22.54	18.80	177.80	241.39	-39.20	1,054.13	1,013.00	41.13	25.629	
8,400.00	8,314.71	8,260.33	8,254.71	22.97	19.06	177.85	243.21	-39.54	1,076.07	1,034.16	41.92	25.671	
8,500.00	8,412.53	8,358.14	8,352.53	23.40	19.12	177.89	243.21	-39.54	1,096.86	1,054.45	42.41	25.864	
8,600.00	8,510.34	8,455.96	8,450.34	23.83	19.19	177.93	243.21	-39.54	1,117.64	1,074.74	42.91	26.048	
8,700.00	8,608.15	8,553.77	8,548.15	24.26	19.25	177.96	243.21	-39.54	1,138.43	1,095.02	43.41	26.227	
8,800.00	8,705.97	8,651.58	8,645.97	24.70	19.32	178.00	243.21	-39.54	1,159.22	1,115.31	43.91	26.400	
8,900.00	8,803.78	8,749.40	8,743.78	25.14	19.39	178.04	243.21	-39.54	1,180.00	1,135.59	44.41	26.569	
9,000.00	8,901.59	8,847.21	8,841.59	25.58	19.45	178.07	243.21	-39.54	1,200.79	1,155.87	44.92	26.734	
9,100.00	8,999.41	8,945.03	8,939.41	26.02	19.50	178.06	243.20	-40.52	1,221.60	1,176.20	45.40	26.910	
9,200.00	9,097.22	9,042.84	9,037.22	26.46	19.57	177.41	242.99	-54.93	1,242.76	1,196.91	45.86	27.101	
9,300.00	9,195.03	9,140.65	9,135.03	26.91	19.66	176.15	242.59	-82.65	1,264.96	1,218.64	46.32	27.309	
9,304.74	9,199.67	9,145.29	9,139.67	26.93	19.67	176.08	242.57	-84.19	1,266.05	1,219.71	46.34	27.320	
9,400.00	9,293.16	9,238.78	9,233.16	27.37	19.77	174.62	242.08	-117.68	1,287.64	1,240.87	46.77	27.529	
9,500.00	9,391.89	9,337.51	9,331.89	27.87	19.89	173.09	241.57	-153.56	1,310.06	1,262.85	47.21	27.748	
9,600.00	9,491.12	9,436.74	9,431.12	28.35	20.01	171.66	241.07	-187.96	1,333.15	1,285.59	47.57	28.028	
9,700.00	9,590.72	9,536.34	9,530.72	28.80	20.13	170.44	240.64	-218.10	1,357.62	1,309.82	47.80	28.402	
9,800.00	9,690.57	9,636.19	9,630.57	29.21	20.25	169.34	240.23	-246.24	1,383.92	1,335.99	47.92	28.878	
9,900.00	9,790.55	9,736.17	9,730.55	29.37	20.37	168.46	239.89	-269.89	1,412.33	1,364.60	47.72	29.594	
9,904.95	9,795.50	9,741.12	9,735.50	29.37	20.37	-11.58	239.87	-270.98	1,413.79	1,366.08	47.71	29.632	
10,000.00	9,890.55	9,836.17	9,830.55	29.42	20.47	-12.38	239.59	-290.35	1,444.43	1,397.05	47.38	30.484	

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 703H
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:	703H	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 - 702H - 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	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,019.95	9,910.50	9,491.05	9,389.58	29.42	20.49	-12.54	239.54	-294.09	1,451.49	1,404.19	47.30	30.686	
10,025.00	9,915.55	9,492.12	9,390.08	29.42	20.49	77.49	239.53	-295.03	1,453.30	1,406.02	47.28	30.739	
10,050.00	9,940.53	9,500.00	9,393.69	29.42	20.53	76.08	239.43	-302.04	1,462.32	1,415.14	47.18	30.992	
10,075.00	9,965.43	9,500.00	9,393.69	29.43	20.53	74.96	239.43	-302.04	1,471.37	1,424.34	47.03	31.286	
10,100.00	9,990.17	9,509.20	9,397.75	29.43	20.58	73.53	239.31	-310.29	1,480.40	1,433.46	46.95	31.534	
10,125.00	10,014.70	9,515.39	9,400.39	29.43	20.61	72.23	239.23	-315.89	1,489.41	1,442.57	46.84	31.798	
10,150.00	10,038.95	9,525.00	9,404.35	29.43	20.66	70.85	239.10	-324.64	1,498.35	1,451.59	46.76	32.043	
10,175.00	10,062.84	9,525.00	9,404.35	29.44	20.66	69.78	239.10	-324.64	1,507.17	1,460.56	46.61	32.336	
10,200.00	10,086.31	9,535.16	9,408.34	29.44	20.71	68.46	238.97	-333.98	1,515.86	1,469.31	46.54	32.569	
10,225.00	10,109.30	9,542.10	9,410.96	29.45	20.75	67.27	238.87	-340.41	1,524.38	1,477.93	46.45	32.815	
10,250.00	10,131.75	9,550.00	9,413.82	29.46	20.79	66.10	238.77	-347.78	1,532.71	1,486.33	46.38	33.050	
10,275.00	10,153.59	9,550.00	9,413.82	29.46	20.79	65.16	238.77	-347.78	1,540.85	1,494.61	46.24	33.324	
10,300.00	10,174.76	9,563.81	9,418.52	29.48	20.88	63.95	238.58	-360.75	1,548.67	1,502.45	46.22	33.506	
10,325.00	10,195.21	9,575.00	9,422.06	29.49	20.95	62.87	238.43	-371.37	1,556.25	1,510.07	46.18	33.697	
10,350.00	10,214.88	9,575.00	9,422.06	29.51	20.95	62.06	238.43	-371.37	1,563.53	1,517.47	46.06	33.943	
10,375.00	10,233.72	9,586.60	9,425.46	29.53	21.02	61.09	238.27	-382.46	1,570.47	1,524.42	46.05	34.106	
10,400.00	10,251.67	9,600.00	9,429.06	29.55	21.11	60.15	238.08	-395.37	1,577.10	1,531.05	46.05	34.247	
10,425.00	10,268.68	9,600.00	9,429.06	29.58	21.11	59.49	238.08	-395.37	1,583.32	1,537.37	45.95	34.457	
10,450.00	10,284.71	9,610.23	9,431.56	29.62	21.18	58.72	237.94	-405.28	1,589.16	1,543.22	45.95	34.587	
10,475.00	10,299.72	9,625.00	9,434.79	29.66	21.29	57.96	237.73	-419.70	1,594.65	1,548.66	45.99	34.672	
10,500.00	10,313.66	9,625.00	9,434.79	29.71	21.29	57.45	237.73	-419.70	1,599.65	1,553.73	45.92	34.839	
10,525.00	10,326.49	9,634.49	9,436.63	29.77	21.36	56.87	237.60	-429.00	1,604.24	1,558.31	45.94	34.923	
10,550.00	10,338.19	9,650.00	9,439.24	29.84	21.48	56.31	237.38	-444.29	1,608.44	1,562.42	46.02	34.949	
10,575.00	10,348.71	9,650.00	9,439.24	29.92	21.48	55.94	237.38	-444.29	1,612.08	1,566.11	45.98	35.063	
10,600.00	10,358.03	9,659.21	9,440.55	30.01	21.55	55.55	237.24	-453.40	1,615.31	1,569.28	46.03	35.093	
10,625.00	10,366.13	9,675.00	9,442.40	30.11	21.68	55.19	237.02	-469.09	1,618.10	1,571.94	46.16	35.056	
10,650.00	10,372.97	9,675.00	9,442.40	30.22	21.68	54.97	237.02	-469.09	1,620.30	1,574.16	46.14	35.115	
10,675.00	10,378.55	9,684.22	9,443.23	30.35	21.76	54.76	236.89	-478.27	1,622.07	1,575.83	46.23	35.084	
10,700.00	10,382.85	9,700.00	9,444.25	30.48	21.89	54.59	236.66	-494.01	1,623.38	1,576.98	46.40	34.984	
10,725.00	10,385.85	9,700.00	9,444.25	30.63	21.89	54.52	236.66	-494.01	1,624.10	1,577.67	46.42	34.984	
10,750.00	10,387.54	9,709.39	9,444.61	30.79	21.98	54.48	236.52	-503.40	1,624.35	1,577.80	46.56	34.891	
10,775.00	10,387.93	9,725.00	9,444.80	30.96	22.12	54.51	236.30	-519.00	1,624.14	1,577.37	46.77	34.728	
10,800.00	10,387.63	9,726.19	9,444.79	31.14	22.13	54.51	236.28	-520.19	1,623.72	1,576.89	46.83	34.676	
10,900.00	10,386.43	9,823.04	9,443.81	31.96	23.14	54.49	234.89	-617.03	1,622.85	1,574.65	48.20	33.668	
11,000.00	10,385.22	9,923.04	9,442.80	32.94	24.35	54.48	233.45	-717.01	1,621.99	1,572.13	49.86	32.532	
11,100.00	10,384.02	10,023.03	9,441.79	34.05	25.72	54.47	232.00	-816.99	1,621.13	1,569.39	51.74	31.332	
11,200.00	10,382.82	10,123.03	9,440.78	35.27	27.23	54.45	230.56	-916.97	1,620.26	1,566.44	53.82	30.103	
11,300.00	10,381.61	10,223.02	9,439.76	36.60	28.84	54.44	229.12	-1,016.95	1,619.40	1,563.32	56.09	28.873	
11,400.00	10,380.41	10,323.02	9,438.75	38.02	30.54	54.43	227.68	-1,116.93	1,618.54	1,560.03	58.51	27.663	
11,500.00	10,379.20	10,423.01	9,437.74	39.52	32.32	54.41	226.24	-1,216.91	1,617.68	1,556.61	61.07	26.488	
11,600.00	10,378.00	10,523.01	9,436.73	41.09	34.16	54.40	224.80	-1,316.89	1,616.82	1,553.06	63.76	25.359	
11,700.00	10,376.80	10,623.00	9,435.71	42.73	36.05	54.39	223.36	-1,416.87	1,615.96	1,549.40	66.56	24.280	
11,800.00	10,375.59	10,723.00	9,434.70	44.42	37.98	54.37	221.92	-1,516.85	1,615.09	1,545.65	69.45	23.256	
11,900.00	10,374.39	10,823.00	9,433.69	46.16	39.96	54.36	220.48	-1,616.83	1,614.23	1,541.81	72.43	22.288	
12,000.00	10,373.18	10,922.99	9,432.68	47.95	41.96	54.34	219.04	-1,716.81	1,613.37	1,537.89	75.48	21.375	
12,100.00	10,371.98	11,022.99	9,431.67	49.77	44.00	54.33	217.60	-1,816.79	1,612.51	1,533.91	78.60	20.515	
12,200.00	10,370.77	11,122.98	9,430.65	51.64	46.06	54.32	216.15	-1,916.77	1,611.65	1,529.87	81.78	19.707	
12,300.00	10,369.57	11,222.98	9,429.64	53.53	48.13	54.30	214.71	-2,016.75	1,610.79	1,525.78	85.01	18.948	
12,400.00	10,368.37	11,322.97	9,428.63	55.45	50.23	54.29	213.27	-2,116.73	1,609.93	1,521.64	88.29	18.235	
12,500.00	10,367.16	11,422.97	9,427.62	57.40	52.34	54.28	211.83	-2,216.71	1,609.07	1,517.46	91.61	17.565	
12,600.00	10,365.96	11,522.96	9,426.60	59.38	54.47	54.26	210.39	-2,316.69	1,608.21	1,513.25	94.96	16.935	
12,700.00	10,364.75	11,622.96	9,425.59	61.37	56.61	54.25	208.95	-2,416.67	1,607.35	1,509.00	98.35	16.343	

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 703H
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:	703H	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 - 702H - 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		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	10,363.55	11,722.96	9,424.58	63.38	58.76	54.24	207.51	-2,516.65	1,606.49	1,504.72	101.77	15.786			
12,900.00	10,362.35	11,822.95	9,423.57	65.41	60.92	54.22	206.07	-2,616.63	1,605.63	1,500.41	105.21	15.261			
13,000.00	10,361.14	11,922.95	9,422.55	67.46	63.09	54.21	204.63	-2,716.61	1,604.76	1,496.09	108.68	14.766			
13,100.00	10,359.94	12,022.94	9,421.54	69.52	65.27	54.19	203.19	-2,816.59	1,603.90	1,491.74	112.17	14.299			
13,200.00	10,358.73	12,122.94	9,420.53	71.60	67.45	54.18	201.75	-2,916.57	1,603.04	1,487.37	115.68	13.858			
13,300.00	10,357.53	12,222.93	9,419.52	73.68	69.64	54.17	200.30	-3,016.55	1,602.18	1,482.98	119.20	13.441			
13,400.00	10,356.32	12,322.93	9,418.51	75.78	71.84	54.15	198.86	-3,116.53	1,601.32	1,478.58	122.75	13.046			
13,500.00	10,355.12	12,422.92	9,417.49	77.89	74.04	54.14	197.42	-3,216.51	1,600.46	1,474.16	126.30	12.671			
13,600.00	10,353.92	12,522.92	9,416.48	80.01	76.25	54.13	195.98	-3,316.49	1,599.61	1,469.73	129.88	12.316			
13,700.00	10,352.71	12,622.92	9,415.47	82.14	78.46	54.11	194.54	-3,416.47	1,598.75	1,465.29	133.46	11.979			
13,800.00	10,351.51	12,722.91	9,414.46	84.27	80.68	54.10	193.10	-3,516.45	1,597.89	1,460.83	137.05	11.659			
13,900.00	10,350.30	12,822.91	9,413.44	86.42	82.90	54.08	191.66	-3,616.43	1,597.03	1,456.37	140.66	11.354			
14,000.00	10,349.10	12,922.90	9,412.43	88.57	85.12	54.07	190.22	-3,716.41	1,596.17	1,451.90	144.27	11.064			
14,100.00	10,347.90	13,022.90	9,411.42	90.73	87.35	54.06	188.78	-3,816.39	1,595.31	1,447.42	147.89	10.787			
14,200.00	10,346.69	13,122.89	9,410.41	92.89	89.58	54.04	187.34	-3,916.37	1,594.45	1,442.93	151.52	10.523			
14,300.00	10,345.49	13,222.89	9,409.40	95.06	91.81	54.03	185.90	-4,016.35	1,593.59	1,438.43	155.16	10.271			
14,400.00	10,344.28	13,322.88	9,408.38	97.23	94.05	54.02	184.45	-4,116.33	1,592.73	1,433.93	158.80	10.030			
14,500.00	10,343.08	13,422.88	9,407.37	99.41	96.28	54.00	183.01	-4,216.31	1,591.87	1,429.42	162.45	9.799			
14,600.00	10,341.87	13,522.88	9,406.36	101.60	98.52	53.99	181.57	-4,316.29	1,591.01	1,424.91	166.10	9.578			
14,700.00	10,340.67	13,622.87	9,405.35	103.78	100.76	53.97	180.13	-4,416.27	1,590.15	1,420.39	169.76	9.367			
14,800.00	10,339.47	13,722.87	9,404.33	105.98	103.01	53.96	178.69	-4,516.25	1,589.30	1,415.87	173.43	9.164			
14,900.00	10,338.26	13,822.86	9,403.32	108.17	105.25	53.95	177.25	-4,616.23	1,588.44	1,411.34	177.10	8.969			
15,000.00	10,337.06	13,922.86	9,402.31	110.37	107.50	53.93	175.81	-4,716.21	1,587.58	1,406.81	180.77	8.782			
15,100.00	10,335.85	14,022.85	9,401.30	112.58	109.75	53.92	174.37	-4,816.19	1,586.72	1,402.27	184.45	8.603			
15,200.00	10,334.65	14,122.85	9,400.28	114.78	112.00	53.90	172.93	-4,916.17	1,585.86	1,397.74	188.13	8.430			
15,300.00	10,333.45	14,222.84	9,399.27	116.99	114.25	53.89	171.49	-5,016.15	1,585.00	1,393.19	191.81	8.263			
15,400.00	10,332.24	14,322.84	9,398.26	119.21	116.51	53.88	170.05	-5,116.13	1,584.15	1,388.65	195.50	8.103			
15,500.00	10,331.04	14,422.84	9,397.25	121.42	118.76	53.86	168.60	-5,216.11	1,583.29	1,384.10	199.19	7.949			
15,600.00	10,329.83	14,522.83	9,396.24	123.64	121.02	53.85	167.16	-5,316.09	1,582.43	1,379.55	202.88	7.800			
15,700.00	10,328.63	14,622.83	9,395.22	125.86	123.27	53.83	165.72	-5,416.07	1,581.57	1,375.00	206.57	7.656			
15,800.00	10,327.42	14,722.82	9,394.21	128.08	125.53	53.82	164.28	-5,516.05	1,580.72	1,370.45	210.27	7.518			
15,890.90	10,326.33	14,811.79	9,393.31	129.40	127.54	53.81	163.00	-5,605.00	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 703H
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:	703H	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 +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	61.00	1.00	0.00	-74.96	1,365.85	-5,081.75	5,262.46				
100.00	100.00	33.10	94.10	1.09	0.03	-74.96	1,365.85	-5,081.77	5,262.12	5,261.01	1.12	4,711.665	
200.00	200.00	117.99	178.99	1.60	0.11	-74.96	1,365.82	-5,082.00	5,262.38	5,260.67	1.71	3,074.334	
300.00	300.00	204.42	265.42	2.01	0.25	-74.96	1,365.68	-5,082.52	5,262.91	5,260.65	2.26	2,325.211	
400.00	400.00	292.24	353.23	2.35	0.45	-74.97	1,364.97	-5,083.41	5,263.69	5,260.89	2.80	1,879.091	
500.00	500.00	377.06	438.04	2.65	0.63	-74.98	1,363.96	-5,084.58	5,264.71	5,261.43	3.28	1,603.299	
600.00	600.00	460.72	521.69	2.93	0.81	-74.99	1,363.41	-5,085.88	5,266.04	5,262.31	3.73	1,411.016	
700.00	700.00	579.01	639.96	3.18	1.04	-75.00	1,363.10	-5,087.63	5,267.42	5,263.20	4.22	1,248.059	
800.00	800.00	679.07	740.02	3.41	1.25	-75.01	1,362.91	-5,088.76	5,268.45	5,263.79	4.66	1,130.898	
900.00	900.00	759.04	819.98	3.64	1.42	-75.01	1,362.80	-5,089.89	5,269.78	5,264.73	5.05	1,044.203	
1,000.00	1,000.00	857.95	918.87	3.85	1.62	-75.02	1,362.67	-5,091.56	5,271.38	5,265.92	5.46	964.660	
1,100.00	1,100.00	969.86	1,030.76	4.05	1.86	-75.03	1,362.34	-5,093.30	5,272.80	5,266.90	5.90	893.680	
1,200.00	1,200.00	1,077.42	1,138.32	4.24	2.05	-75.03	1,362.38	-5,094.67	5,274.04	5,267.76	6.28	839.195	
1,300.00	1,300.00	1,182.20	1,243.10	4.43	2.16	-75.03	1,362.48	-5,095.84	5,275.15	5,268.57	6.58	801.892	
1,400.00	1,400.00	1,280.01	1,340.86	4.61	2.24	-75.06	1,360.42	-5,097.50	5,276.25	5,269.40	6.84	771.284	
1,500.00	1,500.00	1,427.10	1,487.61	4.78	2.45	-75.16	1,351.47	-5,101.19	5,277.19	5,269.97	7.23	729.934	
1,600.00	1,600.00	1,572.34	1,631.70	4.95	2.76	-75.36	1,333.82	-5,105.25	5,276.71	5,269.00	7.71	684.761	
1,700.00	1,700.00	1,658.19	1,716.66	5.12	2.98	-75.49	1,321.79	-5,107.98	5,276.25	5,268.15	8.10	651.214	
1,800.00	1,800.00	1,748.31	1,805.79	5.28	3.24	-75.64	1,308.85	-5,111.14	5,276.06	5,267.54	8.52	618.966	
1,900.00	1,900.00	1,846.56	1,902.94	5.44	3.56	-75.80	1,294.61	-5,114.68	5,275.98	5,266.98	9.00	586.395	
1,992.04	1,992.04	1,936.68	1,992.04	5.58	3.86	-75.94	1,281.51	-5,117.95	5,275.95	5,266.52	9.44	558.932	
2,000.00	2,000.00	1,944.43	1,999.71	5.59	3.89	-75.95	1,280.39	-5,118.23	5,275.95	5,266.48	9.48	556.602	
2,100.00	2,100.00	2,041.87	2,096.06	5.75	4.23	-76.11	1,266.36	-5,121.76	5,276.00	5,266.02	9.97	529.065	
2,200.00	2,200.00	2,144.71	2,197.81	5.89	4.59	-76.27	1,251.85	-5,125.42	5,276.08	5,265.59	10.49	503.029	
2,300.00	2,300.00	2,253.28	2,305.37	6.04	4.99	-76.43	1,237.53	-5,128.86	5,276.05	5,265.02	11.03	478.371	
2,400.00	2,400.00	2,415.03	2,465.95	6.19	5.57	-76.65	1,218.37	-5,132.45	5,275.50	5,263.74	11.76	448.648	
2,500.00	2,500.00	2,540.24	2,590.47	6.33	6.03	-76.79	1,205.29	-5,133.50	5,273.87	5,261.52	12.35	427.002	
2,600.00	2,600.00	2,644.06	2,693.80	6.47	6.40	-76.89	1,195.30	-5,133.98	5,272.12	5,259.26	12.86	409.860	
2,700.00	2,700.00	2,723.95	2,773.35	6.61	6.69	-76.97	1,187.96	-5,134.37	5,270.52	5,257.23	13.29	396.579	
2,800.00	2,800.00	2,801.58	2,850.65	6.74	6.97	-77.05	1,180.84	-5,135.08	5,269.34	5,255.63	13.71	384.433	
2,900.00	2,900.00	2,929.45	2,977.99	6.88	7.43	-77.18	1,169.29	-5,136.37	5,268.36	5,254.06	14.30	368.339	
3,000.00	3,000.00	3,097.46	3,145.40	7.01	8.03	-77.33	1,155.06	-5,135.89	5,266.18	5,251.14	15.04	350.178	
3,100.00	3,100.00	3,252.88	3,300.30	7.14	8.59	-77.45	1,142.69	-5,133.45	5,262.91	5,247.19	15.72	334.749	
3,200.00	3,200.00	3,414.15	3,461.04	7.27	9.17	-77.57	1,130.41	-5,128.95	5,258.52	5,242.11	16.42	320.265	
3,300.00	3,300.00	3,498.98	3,545.59	7.40	9.47	-77.63	1,124.14	-5,126.28	5,253.83	5,236.98	16.85	311.810	
3,400.00	3,400.00	3,594.85	3,641.16	7.52	9.81	-77.70	1,117.22	-5,123.25	5,249.19	5,231.88	17.32	303.126	
3,500.00	3,500.00	3,669.34	3,715.44	7.65	10.07	-77.75	1,112.09	-5,121.04	5,244.83	5,227.12	17.71	296.176	
3,600.00	3,600.00	3,742.17	3,788.11	7.77	10.33	-77.79	1,107.48	-5,119.17	5,240.98	5,222.89	18.09	289.671	
3,700.00	3,700.00	3,811.41	3,857.20	7.90	10.58	-77.84	1,103.21	-5,117.75	5,237.67	5,219.20	18.47	283.636	
3,800.00	3,800.00	3,879.59	3,925.16	8.02	10.83	-77.89	1,097.80	-5,117.05	5,234.99	5,216.15	18.84	277.883	
3,900.00	3,900.00	3,961.00	4,006.09	8.14	11.14	-77.99	1,089.02	-5,117.15	5,232.82	5,213.55	19.27	271.547	
4,000.00	4,000.00	4,046.33	4,090.70	8.26	11.47	-78.11	1,078.00	-5,117.90	5,230.99	5,211.26	19.73	265.174	
4,100.00	4,100.00	4,105.67	4,149.47	8.38	11.71	-78.20	1,069.82	-5,118.79	5,229.62	5,209.54	20.08	260.389	
4,167.32	4,167.32	4,149.00	4,192.31	8.46	11.88	101.74	1,063.43	-5,119.85	5,229.35	5,209.04	20.30	257.577	
4,200.00	4,199.98	4,149.00	4,192.31	8.49	11.88	101.74	1,063.43	-5,119.85	5,229.49	5,209.16	20.32	257.317	
4,300.00	4,299.84	4,189.35	4,232.10	8.85	12.05	101.66	1,056.93	-5,121.41	5,231.18	5,210.63	20.55	254.502	
4,400.00	4,399.45	4,243.00	4,284.74	9.21	12.28	101.52	1,047.10	-5,124.71	5,235.01	5,214.17	20.84	251.184	
4,500.00	4,498.70	4,243.00	4,284.74	9.57	12.28	101.41	1,047.10	-5,124.71	5,240.61	5,219.71	20.90	250.740	
4,600.00	4,597.47	4,286.69	4,327.40	9.95	12.46	101.23	1,038.43	-5,128.39	5,248.23	5,227.08	21.16	248.065	
4,700.00	4,695.62	4,337.00	4,376.37	10.32	12.68	101.03	1,028.18	-5,133.66	5,257.96	5,236.51	21.45	245.118	
4,700.21	4,695.83	4,337.00	4,376.37	10.32	12.68	101.03	1,028.18	-5,133.66	5,257.98	5,236.53	21.45	245.118	
4,800.00	4,793.44	4,337.00	4,376.37	10.56	12.68	101.03	1,028.18	-5,133.66	5,269.15	5,247.63	21.52	244.850	

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 703H
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:	703H	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:											Warning		
Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.00	4,891.25	4,402.69	4,440.13	10.73	12.97	101.01	1,014.57	-5,141.73	5,281.34	5,259.44	21.89	241.214	
5,000.00	4,989.06	4,466.32	4,501.76	10.92	13.25	100.99	1,001.31	-5,150.35	5,294.53	5,272.26	22.27	237.727	
5,100.00	5,086.88	4,570.47	4,602.51	11.12	13.71	100.95	979.21	-5,164.74	5,307.99	5,285.14	22.85	232.297	
5,200.00	5,184.69	4,677.35	4,900.85	11.34	15.07	100.90	917.65	-5,201.53	5,320.90	5,296.52	24.38	218.292	
5,300.00	5,282.50	4,988.04	5,008.70	11.58	15.56	100.88	895.04	-5,211.97	5,330.22	5,305.21	25.01	213.157	
5,400.00	5,380.32	5,078.28	5,096.55	11.83	15.97	100.86	876.28	-5,220.55	5,339.54	5,313.99	25.55	208.946	
5,500.00	5,478.13	5,156.34	5,172.51	12.09	16.33	100.84	860.00	-5,228.21	5,349.15	5,323.10	26.06	205.297	
5,600.00	5,575.94	5,239.08	5,253.08	12.37	16.70	100.83	843.13	-5,236.59	5,359.15	5,332.57	26.59	201.584	
5,700.00	5,673.76	5,330.37	5,342.07	12.66	17.12	100.82	825.08	-5,245.94	5,369.38	5,342.22	27.16	197.690	
5,800.00	5,771.57	5,448.25	5,457.05	12.96	17.65	100.81	801.98	-5,257.91	5,379.59	5,351.72	27.87	193.048	
5,900.00	5,869.38	5,527.69	5,534.59	13.27	18.01	100.81	786.64	-5,265.83	5,389.65	5,361.26	28.40	189.783	
6,000.00	5,967.20	5,945.77	5,944.48	13.59	19.85	100.86	711.31	-5,297.79	5,399.77	5,369.32	30.45	177.346	
6,100.00	6,065.01	6,001.22	5,999.12	13.92	20.09	100.88	702.13	-5,300.16	5,404.71	5,373.83	30.88	175.036	
6,200.00	6,162.82	6,058.63	6,055.77	14.25	20.33	100.91	693.24	-5,302.83	5,410.33	5,379.01	31.32	172.761	
6,300.00	6,260.64	6,122.00	6,118.50	14.60	20.59	100.95	684.91	-5,306.13	5,416.84	5,385.06	31.78	170.442	
6,400.00	6,358.45	6,169.91	6,166.08	14.95	20.77	101.00	679.92	-5,308.76	5,424.14	5,391.97	32.17	168.606	
6,500.00	6,456.26	6,249.50	6,245.36	15.31	21.06	101.11	674.50	-5,313.02	5,432.11	5,399.44	32.68	166.240	
6,600.00	6,554.07	6,515.37	6,511.08	15.68	21.89	101.64	672.26	-5,319.84	5,438.69	5,404.94	33.75	161.134	
6,700.00	6,651.89	6,724.73	6,720.43	16.05	22.54	102.08	671.37	-5,320.13	5,443.41	5,408.78	34.63	157.175	
6,800.00	6,749.70	6,824.46	6,820.14	16.42	22.85	102.28	669.87	-5,319.03	5,446.47	5,411.28	35.19	154.777	
6,900.00	6,847.51	6,920.82	6,916.48	16.81	23.16	102.48	668.43	-5,318.20	5,449.82	5,414.08	35.74	152.483	
7,000.00	6,945.33	7,020.40	7,016.05	17.19	23.48	102.68	667.15	-5,317.09	5,453.06	5,416.75	36.31	150.198	
7,100.00	7,043.14	7,113.86	7,109.50	17.58	23.78	102.87	665.93	-5,316.20	5,456.50	5,419.64	36.86	148.039	
7,200.00	7,140.95	7,213.63	7,209.25	17.98	24.10	103.07	664.31	-5,315.31	5,460.01	5,422.57	37.44	145.842	
7,300.00	7,238.77	7,322.32	7,317.92	18.38	24.46	103.28	662.17	-5,314.34	5,463.50	5,425.44	38.05	143.571	
7,400.00	7,336.58	7,435.12	7,430.69	18.78	24.83	103.50	659.73	-5,313.08	5,466.80	5,428.11	38.69	141.297	
7,500.00	7,434.39	7,510.59	7,506.13	19.19	25.08	103.64	657.96	-5,312.34	5,470.24	5,431.03	39.21	139.516	
7,600.00	7,532.21	7,586.80	7,582.31	19.60	25.34	103.78	656.06	-5,311.94	5,474.14	5,434.41	39.73	137.774	
7,700.00	7,630.02	7,673.58	7,669.06	20.01	25.63	103.94	653.76	-5,311.83	5,478.44	5,438.14	40.30	135.947	
7,800.00	7,727.83	7,768.96	7,764.40	20.42	25.96	104.12	651.16	-5,311.81	5,482.88	5,441.98	40.90	134.058	
7,900.00	7,825.65	7,845.93	7,841.35	20.84	26.22	104.26	649.05	-5,311.91	5,487.53	5,446.10	41.44	132.428	
8,000.00	7,923.46	7,909.52	7,904.91	21.26	26.44	104.38	647.48	-5,312.33	5,492.81	5,450.88	41.93	130.996	
8,100.00	8,021.27	7,997.00	7,992.37	21.68	26.74	104.54	645.62	-5,313.52	5,498.85	5,456.34	42.51	129.350	
8,200.00	8,119.09	8,060.33	8,055.68	22.11	26.94	104.66	644.62	-5,314.56	5,505.27	5,462.27	43.00	128.034	
8,300.00	8,216.90	8,161.75	8,157.09	22.54	27.28	104.86	643.94	-5,315.92	5,511.82	5,468.20	43.62	126.357	
8,400.00	8,314.71	8,266.76	8,262.09	22.97	27.61	105.08	644.18	-5,316.97	5,518.35	5,474.11	44.24	124.726	
8,500.00	8,412.53	8,372.76	8,368.09	23.40	27.93	105.31	644.88	-5,317.74	5,524.81	5,479.94	44.87	123.134	
8,600.00	8,510.34	8,450.36	8,445.69	23.83	28.18	105.47	645.28	-5,318.43	5,531.45	5,486.05	45.41	121.817	
8,700.00	8,608.15	8,528.39	8,523.70	24.26	28.43	105.63	645.16	-5,319.55	5,538.52	5,492.57	45.95	120.534	
8,800.00	8,705.97	8,622.12	8,617.42	24.70	28.74	105.81	644.29	-5,321.39	5,545.91	5,499.35	46.56	119.108	
8,900.00	8,803.78	8,726.23	8,721.48	25.14	29.09	106.00	642.26	-5,323.66	5,553.30	5,506.08	47.22	117.602	
9,000.00	8,901.59	8,814.37	8,809.57	25.58	29.39	106.16	640.10	-5,325.71	5,560.75	5,512.92	47.82	116.275	
9,100.00	8,999.41	8,898.26	8,893.42	26.02	29.68	106.31	638.65	-5,327.71	5,568.49	5,520.08	48.41	115.017	
9,200.00	9,097.22	8,991.33	8,986.47	26.46	29.99	106.49	637.80	-5,329.90	5,576.50	5,527.46	49.03	113.732	
9,300.00	9,195.03	9,091.05	9,086.17	26.91	30.32	106.69	637.88	-5,331.93	5,584.56	5,534.89	49.67	112.428	
9,304.74	9,199.67	9,095.77	9,090.88	26.93	30.33	106.69	637.91	-5,332.01	5,584.94	5,535.24	49.70	112.367	
9,400.00	9,293.16	9,260.83	9,255.93	27.37	30.85	107.14	639.17	-5,334.04	5,591.77	5,541.24	50.53	110.669	
9,500.00	9,391.89	9,405.31	9,400.40	27.87	31.31	107.46	639.34	-5,334.25	5,596.67	5,545.39	51.27	109.152	
9,600.00	9,491.12	9,521.80	9,516.88	28.35	31.69	107.65	637.70	-5,334.33	5,600.04	5,548.15	51.90	107.908	
9,700.00	9,590.72	9,611.31	9,606.37	28.80	32.00	107.75	635.78	-5,334.59	5,602.38	5,549.99	52.40	106.920	
9,800.00	9,690.57	9,706.09	9,701.12	29.21	32.33	107.81	633.35	-5,335.18	5,603.84	5,550.96	52.88	105.978	
9,900.00	9,790.55	9,824.37	9,819.34	29.37	32.75	107.80	629.88	-5,335.86	5,604.08	5,550.72	53.36	105.025	

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 703H
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:	703H	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	
9,904.95	9,795.50	9,830.22	9,825.19	29.37	32.77	-72.20	629.70	-5,335.88	5,604.05	5,550.67	53.38	104.978	
10,000.00	9,890.55	9,954.68	9,949.57	29.42	33.21	-72.25	625.36	-5,336.28	5,603.34	5,549.49	53.85	104.050	
10,019.95	9,910.50	9,982.29	9,977.16	29.42	33.31	-72.26	624.22	-5,336.32	5,603.11	5,549.16	53.95	103.857	
10,025.00	9,915.55	9,989.28	9,984.15	29.42	33.34	18.04	623.92	-5,336.33	5,603.03	5,549.05	53.97	103.812	
10,050.00	9,940.53	10,023.85	10,018.68	29.42	33.46	18.07	622.39	-5,336.34	5,601.83	5,547.75	54.08	103.582	
10,075.00	9,965.43	10,058.29	10,053.08	29.43	33.58	18.16	620.76	-5,336.33	5,599.34	5,545.15	54.20	103.317	
10,100.00	9,990.17	10,092.51	10,087.25	29.43	33.70	18.30	619.04	-5,336.29	5,595.58	5,541.27	54.31	103.032	
10,125.00	10,014.70	10,061.00	10,055.79	29.43	33.59	18.48	620.63	-5,336.33	5,590.83	5,536.65	54.18	103.192	
10,150.00	10,038.95	10,061.00	10,055.79	29.43	33.59	18.72	620.63	-5,336.33	5,584.92	5,530.75	54.17	103.104	
10,175.00	10,062.84	10,097.28	10,092.03	29.44	33.72	19.02	618.91	-5,336.48	5,577.59	5,523.30	54.30	102.724	
10,200.00	10,086.31	10,106.25	10,100.98	29.44	33.75	19.38	618.51	-5,336.57	5,569.33	5,515.01	54.32	102.519	
10,225.00	10,109.30	10,115.05	10,109.77	29.45	33.78	19.79	618.12	-5,336.68	5,559.98	5,505.62	54.36	102.289	
10,250.00	10,131.75	10,123.67	10,118.39	29.46	33.82	20.27	617.75	-5,336.81	5,549.55	5,495.16	54.39	102.035	
10,275.00	10,153.59	10,156.00	10,150.68	29.46	33.93	20.87	616.40	-5,337.49	5,538.21	5,483.70	54.52	101.588	
10,300.00	10,174.76	10,156.00	10,150.68	29.48	33.93	21.50	616.40	-5,337.49	5,525.64	5,471.12	54.52	101.344	
10,325.00	10,195.21	10,156.00	10,150.68	29.49	33.93	22.22	616.40	-5,337.49	5,512.12	5,457.58	54.53	101.076	
10,350.00	10,214.88	10,156.00	10,150.68	29.51	33.93	23.03	616.40	-5,337.49	5,497.66	5,443.11	54.55	100.783	
10,375.00	10,233.72	10,156.00	10,150.68	29.53	33.93	23.96	616.40	-5,337.49	5,482.32	5,427.75	54.57	100.468	
10,400.00	10,251.67	10,156.00	10,150.68	29.55	33.93	25.02	616.40	-5,337.49	5,466.11	5,411.52	54.59	100.129	
10,425.00	10,268.68	10,194.91	10,189.55	29.58	34.07	26.40	614.96	-5,338.49	5,448.89	5,394.12	54.77	99.490	
10,450.00	10,284.71	10,206.64	10,201.28	29.62	34.11	27.86	614.56	-5,338.81	5,430.94	5,376.10	54.85	99.022	
10,475.00	10,299.72	10,217.68	10,212.30	29.66	34.15	29.55	614.21	-5,339.11	5,412.23	5,357.30	54.93	98.538	
10,500.00	10,313.66	10,227.98	10,222.59	29.71	34.18	31.50	613.90	-5,339.39	5,392.80	5,337.79	55.01	98.038	
10,525.00	10,326.49	10,237.52	10,232.13	29.77	34.22	33.76	613.62	-5,339.66	5,372.70	5,317.61	55.09	97.523	
10,550.00	10,338.19	10,246.28	10,240.88	29.84	34.25	36.39	613.37	-5,339.90	5,352.00	5,296.82	55.18	96.996	
10,575.00	10,348.71	10,254.22	10,248.81	29.92	34.28	39.46	613.16	-5,340.13	5,330.73	5,275.47	55.27	96.456	
10,600.00	10,358.03	10,261.32	10,255.91	30.01	34.30	43.05	612.98	-5,340.33	5,308.97	5,253.62	55.36	95.906	
10,625.00	10,366.13	10,267.57	10,262.16	30.11	34.32	47.25	612.83	-5,340.51	5,286.77	5,231.32	55.45	95.346	
10,650.00	10,372.97	10,272.95	10,267.53	30.22	34.34	52.17	612.70	-5,340.67	5,264.19	5,208.65	55.54	94.778	
10,675.00	10,378.55	10,277.43	10,272.01	30.35	34.36	57.87	612.60	-5,340.80	5,241.29	5,185.65	55.64	94.204	
10,700.00	10,382.85	10,281.01	10,275.59	30.48	34.37	64.42	612.52	-5,340.90	5,218.13	5,162.40	55.74	93.623	
10,725.00	10,385.85	10,283.68	10,278.25	30.63	34.38	71.77	612.46	-5,340.98	5,194.78	5,138.95	55.83	93.039	
10,750.00	10,387.54	10,285.42	10,279.99	30.79	34.39	79.77	612.42	-5,341.03	5,171.30	5,115.37	55.94	92.452	
10,775.00	10,387.93	10,286.24	10,280.80	30.96	34.39	88.38	612.40	-5,341.06	5,147.10	5,091.06	56.04	91.847	
10,800.00	10,387.63	10,286.54	10,281.11	31.14	34.39	88.39	612.39	-5,341.07	5,124.21	5,068.06	56.14	91.275	
10,900.00	10,386.43	10,287.81	10,282.38	31.96	34.39	88.43	612.37	-5,341.10	5,030.15	4,973.57	56.58	88.903	
11,000.00	10,385.22	10,289.08	10,283.65	32.94	34.40	88.47	612.34	-5,341.14	4,936.32	4,879.26	57.06	86.509	
11,100.00	10,384.02	10,290.36	10,284.92	34.05	34.40	88.52	612.31	-5,341.18	4,842.74	4,785.15	57.59	84.095	
11,200.00	10,382.82	10,291.64	10,286.20	35.27	34.41	88.56	612.29	-5,341.22	4,749.42	4,691.26	58.16	81.665	
11,300.00	10,381.61	10,292.93	10,287.49	36.60	34.41	88.60	612.26	-5,341.26	4,656.38	4,597.60	58.78	79.224	
11,400.00	10,380.41	10,294.22	10,288.79	38.02	34.42	88.65	612.23	-5,341.30	4,563.63	4,504.18	59.44	76.774	
11,500.00	10,379.20	10,295.52	10,290.09	39.52	34.42	88.69	612.21	-5,341.33	4,471.19	4,411.03	60.16	74.319	
11,600.00	10,378.00	10,296.83	10,291.39	41.09	34.43	88.73	612.18	-5,341.37	4,379.09	4,318.15	60.94	71.864	
11,700.00	10,376.80	10,298.14	10,292.71	42.73	34.43	88.78	612.15	-5,341.41	4,287.33	4,225.57	61.77	69.413	
11,800.00	10,375.59	10,299.46	10,294.02	44.42	34.44	88.82	612.13	-5,341.45	4,195.96	4,133.31	62.65	66.971	
11,900.00	10,374.39	10,300.79	10,295.35	46.16	34.44	88.86	612.10	-5,341.49	4,104.99	4,041.38	63.60	64.540	
12,000.00	10,373.18	10,302.12	10,296.68	47.95	34.44	88.91	612.08	-5,341.53	4,014.44	3,949.82	64.62	62.126	
12,100.00	10,371.98	10,303.46	10,298.02	49.77	34.45	88.95	612.05	-5,341.57	3,924.36	3,858.66	65.70	59.733	
12,200.00	10,370.77	10,304.80	10,299.36	51.64	34.45	89.00	612.03	-5,341.61	3,834.76	3,767.91	66.85	57.364	
12,300.00	10,369.57	10,306.15	10,300.71	53.53	34.46	89.04	612.00	-5,341.65	3,745.69	3,677.62	68.07	55.024	
12,400.00	10,368.37	10,307.51	10,302.07	55.45	34.46	89.09	611.97	-5,341.69	3,657.19	3,587.81	69.37	52.717	
12,500.00	10,367.16	10,308.87	10,303.43	57.40	34.47	89.13	611.95	-5,341.74	3,569.29	3,498.53	70.75	50.446	

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 703H
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:	703H	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		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)			
12,600.00	10,365.96	10,310.24	10,304.80	59.38	34.47	89.18	611.92	-5,341.78	3,482.04	3,409.82	72.22	48.215	
12,700.00	10,364.75	10,311.62	10,306.17	61.37	34.48	89.22	611.90	-5,341.82	3,395.50	3,321.73	73.77	46.027	
12,800.00	10,363.55	10,313.00	10,307.55	63.38	34.48	89.27	611.87	-5,341.86	3,309.71	3,234.30	75.42	43.885	
12,900.00	10,362.35	10,314.39	10,308.94	65.41	34.49	89.32	611.85	-5,341.90	3,224.75	3,147.59	77.16	41.794	
13,000.00	10,361.14	10,315.79	10,310.34	67.46	34.49	89.36	611.83	-5,341.95	3,140.66	3,061.66	79.00	39.755	
13,100.00	10,359.94	10,317.19	10,311.74	69.52	34.50	89.41	611.80	-5,341.99	3,057.54	2,976.59	80.95	37.771	
13,200.00	10,358.73	10,318.60	10,313.15	71.60	34.50	89.46	611.78	-5,342.03	2,975.45	2,892.44	83.01	35.846	
13,300.00	10,357.53	10,320.02	10,314.57	73.68	34.51	89.50	611.75	-5,342.08	2,894.49	2,809.31	85.18	33.981	
13,400.00	10,356.32	10,343.00	10,337.53	75.78	34.59	90.27	611.41	-5,342.79	2,814.86	2,727.25	87.61	32.129	
13,500.00	10,355.12	10,343.00	10,337.53	77.89	34.59	90.27	611.41	-5,342.79	2,736.44	2,646.42	90.02	30.398	
13,600.00	10,353.92	10,343.00	10,337.53	80.01	34.59	90.27	611.41	-5,342.79	2,659.47	2,566.92	92.55	28.734	
13,700.00	10,352.71	10,343.00	10,337.53	82.14	34.59	90.27	611.41	-5,342.79	2,584.08	2,488.86	95.22	27.138	
13,800.00	10,351.51	10,343.00	10,337.53	84.27	34.59	90.27	611.41	-5,342.79	2,510.41	2,412.39	98.02	25.611	
13,900.00	10,350.30	10,343.00	10,337.53	86.42	34.59	90.27	611.41	-5,342.79	2,438.61	2,337.66	100.95	24.156	
14,000.00	10,349.10	10,343.00	10,337.53	88.57	34.59	90.27	611.41	-5,342.79	2,368.86	2,264.84	104.02	22.774	
14,100.00	10,347.90	10,343.00	10,337.53	90.73	34.59	90.27	611.41	-5,342.79	2,301.34	2,194.13	107.21	21.466	
14,200.00	10,346.69	10,343.00	10,337.53	92.89	34.59	90.27	611.41	-5,342.79	2,236.25	2,125.72	110.53	20.232	
14,300.00	10,345.49	10,343.00	10,337.53	95.06	34.59	90.27	611.41	-5,342.79	2,173.82	2,059.86	113.97	19.074	
14,400.00	10,344.28	10,343.00	10,337.53	97.23	34.59	90.27	611.41	-5,342.79	2,114.28	1,996.78	117.50	17.993	
14,500.00	10,343.08	10,343.00	10,337.53	99.41	34.59	90.27	611.41	-5,342.79	2,057.88	1,936.75	121.13	16.989	
14,600.00	10,341.87	10,343.00	10,337.53	101.60	34.59	90.27	611.41	-5,342.79	2,004.88	1,880.06	124.82	16.062	
14,700.00	10,340.67	10,343.00	10,337.53	103.78	34.59	90.27	611.41	-5,342.79	1,955.56	1,827.01	128.54	15.213	
14,800.00	10,339.47	10,343.00	10,337.53	105.98	34.59	90.27	611.41	-5,342.79	1,910.20	1,777.93	132.27	14.441	
14,900.00	10,338.26	10,343.00	10,337.53	108.17	34.59	90.27	611.41	-5,342.79	1,869.10	1,733.14	135.97	13.747	
15,000.00	10,337.06	10,343.00	10,337.53	110.37	34.59	90.27	611.41	-5,342.79	1,832.54	1,692.97	139.58	13.129	
15,100.00	10,335.85	10,343.00	10,337.53	112.58	34.59	90.27	611.41	-5,342.79	1,800.80	1,657.75	143.06	12.588	
15,200.00	10,334.65	10,343.00	10,337.53	114.78	34.59	90.27	611.41	-5,342.79	1,774.14	1,627.78	146.36	12.122	
15,300.00	10,333.45	10,343.00	10,337.53	116.99	34.59	90.27	611.41	-5,342.79	1,752.78	1,603.36	149.43	11.730	
15,400.00	10,332.24	10,343.00	10,337.53	119.21	34.59	90.27	611.41	-5,342.79	1,736.93	1,584.72	152.21	11.411	
15,500.00	10,331.04	10,353.20	10,347.73	121.42	34.62	90.61	611.28	-5,343.11	1,726.69	1,571.93	154.76	11.157	
15,600.00	10,329.83	10,354.73	10,349.26	123.64	34.63	90.66	611.26	-5,343.15	1,722.23	1,565.36	156.87	10.979	
15,626.86	10,329.51	10,355.14	10,349.67	124.24	34.63	90.67	611.25	-5,343.17	1,722.02	1,564.65	157.37	10.942 CC, ES	
15,700.00	10,328.63	10,356.25	10,350.78	125.86	34.63	90.71	611.24	-5,343.20	1,723.58	1,564.99	158.59	10.868	
15,800.00	10,327.42	10,357.76	10,352.29	128.08	34.64	90.76	611.22	-5,343.25	1,730.70	1,570.80	159.90	10.824 SF	
15,890.90	10,326.33	10,359.12	10,353.65	129.40	34.64	90.80	611.21	-5,343.29	1,742.14	1,582.11	160.03	10.886	

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 703H
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:	703H	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)

Coordinates are relative to: 703H

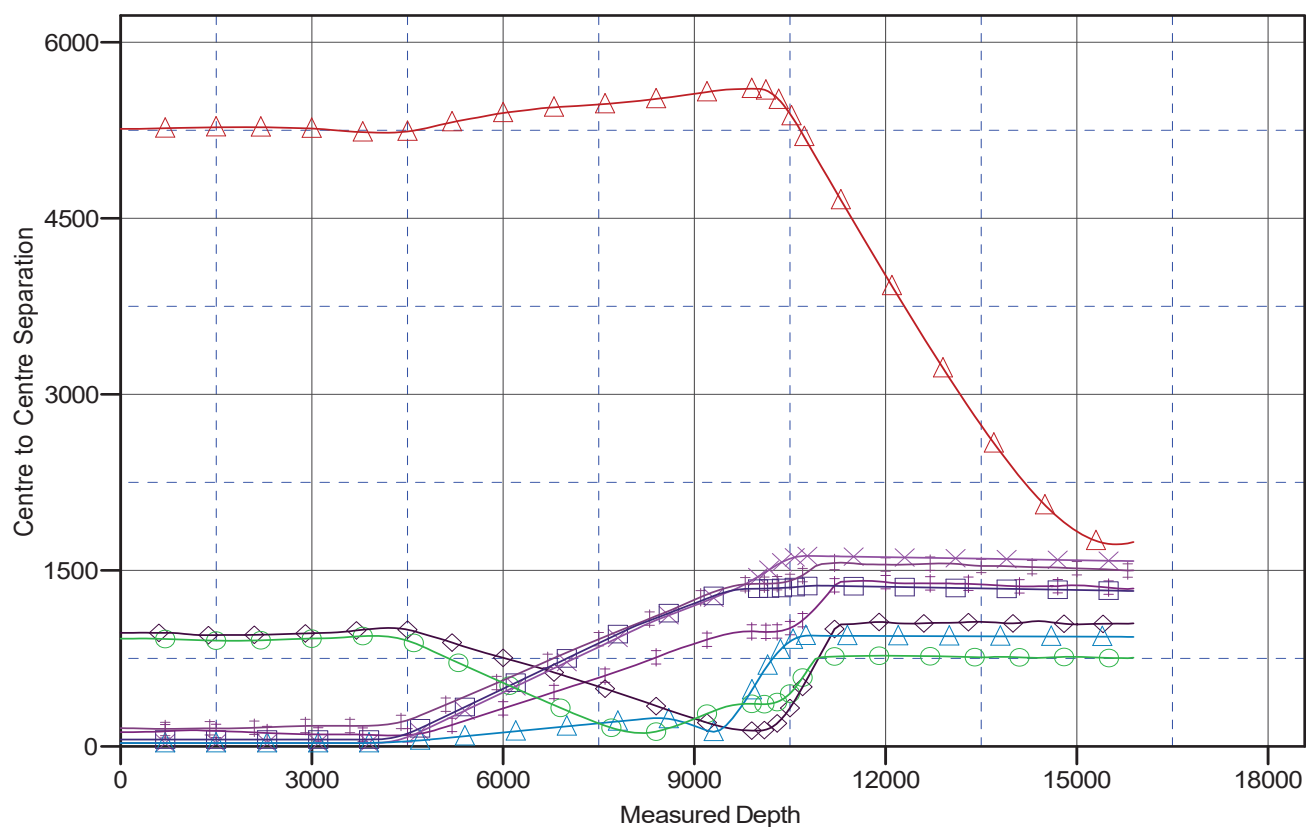
Offset Depths are relative to Offset Datum

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

Central Meridian is 104° 19' 60.000000 W

Grid Convergence at Surface is: 0.28°

Ladder Plot



LEGEND

502H, OH / 6/8/10, Surveys (H&P 653) V0	501H, OH, Plan 1 12-14-21 V0	504H, OH / 6/8/11, Surveys (H&P 653) V0
508H, OH / 6/8/13, Surveys (H&P 653) V0	506H, OH / 6/8/12, Surveys (H&P 653) V0	701H, OH / Job 63103, OH / Job 63103 V0
702H, OH, Plan 1 12-14-21 V0	701H, OH, Plan 1 12-14-21 V0	

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 703H
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:	703H	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

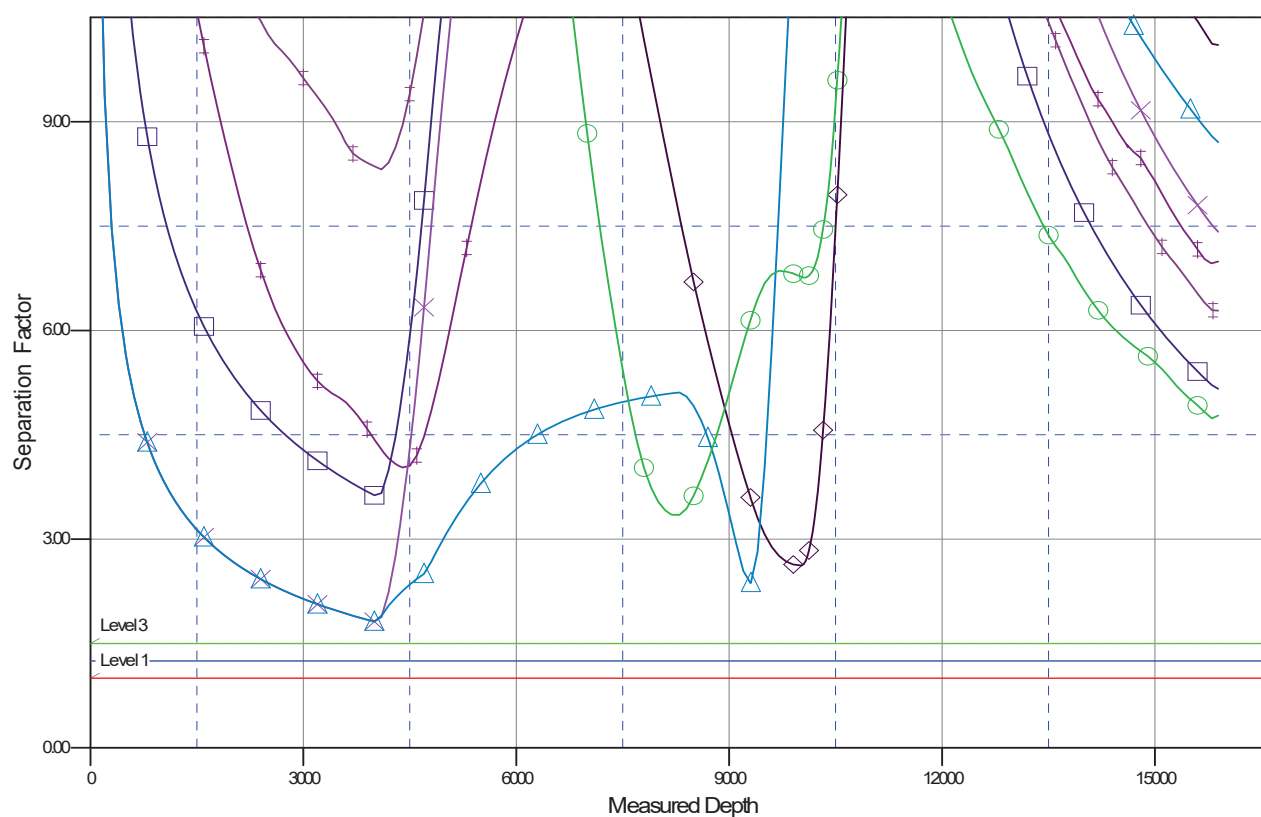
Central Meridian is 104° 19' 60.000000 W

Coordinates are relative to: 703H

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	501H, OH, Plan 1 12-14-21 V0	504H, OH / 6/8/11, Surveys (H&P 653) V0
508H, OH / 6/8/13, Surveys (H&P 653) V0	506H, OH / 6/8/12, Surveys (H&P 653) V0	701H, OH / Job 63103, OH / Job 63103 V0
702H, OH, Plan 1 12-14-21 V0	701H, OH, Plan 1 12-14-21 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 73558

CONDITIONS

Operator: Flat Creek Resources, LLC 777 Main St. Fort Worth, TX 76102	OGRID: 374034
	Action Number: 73558
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
kpickford	The pool assignment for this well has been corrected. Subsequent sundries must reflect the correct pool.	1/19/2022
kpickford	Adhere to previous NMOCD conditions of approval	1/19/2022