

Well Name: PHANTOM BANK 31 FED COM	Well Location: T26S / R31E / SEC 32 / NWNW /	County or Parish/State:
Well Number: 701H	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: 2648991

Type of Submission: Notice of Intent	Type of Action: Other
Date Sundry Submitted: 12/15/2021	Time Sundry Submitted: 12:50
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 plans accordingly.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- 5.5_TCBC_HT_5.9_OD_20211215125023.pdf
- 5.5_TCBC_HT_6.3_OD_20211215125023.pdf
- Phantom_Bank_31_Fed_Com_701H__Plan_1_12_14_21_20211215124944.pdf
- Phantom_Bank_31_Fed_Com_701H__Plan_1_12_14_21_AC_Report_20211215124944.pdf
- 701H_Casing_design_factors_20211215124944.xlsx
- Phantom_Bank_31_Fed_Com_701H_GeoProg_20211215124914.pdf
- PHANTOM_BANK_31_FED_COM_701H_C_102_Cert_12_10_21_20211215124735.pdf
- Phantom_Bank_31_Fed_Com_Pad_1_No.701H__Road_Plat_Cert_12_10_21_20211215124735.pdf

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Phantom_Bank_31_Fed_Com_Pad_1_SUP_As_Built_Cert_12_13_21_20211215124735.pdf

Sundry_701H_Drilling_Plan_20211215124706.docx

Sundry_701H_Application_20211215124706.docx

Sundry_701H_Surface_Use_Plan_of_Operations_20211215124706.docx

Sundry_701H_Produced_Water_Disposal_20211215124706.docx

Conditions of Approval

Additional Reviews

32_26_31_D_Sundry_ID_2648991_Phantom_Bank_31_Fed_Com_701H_Eddy_NM138868_Flat_Creek_Resources_LL
C_13_22c_5_12_2021_LV_20220106102138.pdf

Phantom_Bank_31_Fed_Com_701H_Dr_Sundry_ID_2648991_20220106102138.pdf

Sundry_701H_Drilling_Plan_20220106102138.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 12:50 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:

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BLM Point of Contact

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-49203		² Pool Code 97814 98319		³ Pool Name WC 015 G 06 S242630A; Bone Spring	
⁴ Property Code 327168		⁵ Property Name PHANTOM BANK 31 FED COM			⁶ Well Number 701H
⁷ OGRID No. 374034		⁸ Operator Name FLAT CREEK RESOURCES, LLC			⁹ Elevation 3129'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	32	26 SOUTH	31 EAST, N.M.P.M.		610'	NORTH	300'	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L1	31	26 SOUTH	31 EAST, N.M.P.M.		380'	NORTH	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 <table border="1"> <tr> <th colspan="2">PROPOSED LAST TAKE POINT</th> </tr> <tr> <td>X= 657,472'</td> <td rowspan="2">NAD 27</td> </tr> <tr> <td>Y= 365,866'</td> </tr> <tr> <td>LAT. 32.004863° N</td> <td rowspan="2">NAD83/86</td> </tr> <tr> <td>LONG. 103.825326° W</td> </tr> <tr> <td>X= 698,659'</td> <td rowspan="2">NAD83/86</td> </tr> <tr> <td>Y= 365,924'</td> </tr> <tr> <td>LAT. 32.004989° N</td> <td rowspan="2">NAD83/86</td> </tr> <tr> <td>LONG. 103.825801° W</td> </tr> </table>		PROPOSED LAST TAKE POINT		X= 657,472'	NAD 27	Y= 365,866'	LAT. 32.004863° N	NAD83/86	LONG. 103.825326° W	X= 698,659'	NAD83/86	Y= 365,924'	LAT. 32.004989° N	NAD83/86	LONG. 103.825801° W	<table border="1"> <tr> <th colspan="2">PROPOSED FIRST TAKE POINT</th> </tr> <tr> <td>X= 662,605'</td> <td rowspan="2">NAD 27</td> </tr> <tr> <td>Y= 365,940'</td> </tr> <tr> <td>LAT. 32.004997° N</td> <td rowspan="2">NAD83/86</td> </tr> <tr> <td>LONG. 103.808766° W</td> </tr> <tr> <td>X= 703,792'</td> <td rowspan="2">NAD83/86</td> </tr> <tr> <td>Y= 365,997'</td> </tr> <tr> <td>LAT. 32.005123° N</td> <td rowspan="2">NAD83/86</td> </tr> <tr> <td>LONG. 103.809240° W</td> </tr> </table>		PROPOSED FIRST TAKE POINT		X= 662,605'	NAD 27	Y= 365,940'	LAT. 32.004997° N	NAD83/86	LONG. 103.808766° W	X= 703,792'	NAD83/86	Y= 365,997'	LAT. 32.005123° N	NAD83/86	LONG. 103.809240° W		
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EDDY COUNTY, NEW MEXICO LOVING COUNTY, TEXAS		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. Rodney Littleton 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 ROBERT L. LASTRAPES Signature and Seal of Professional Surveyor 23006 12/10/2021 Certificate Number																															

Sundry Notice Detail - Application**Phantom Bank 31 Fed Com 701H****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 Gatuna Canyon; Bone Spring 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	400' FWL 550' FNL (Sec 32)	300' FWL 610' FNL (Sec 32)
KOP change	400' FWL 550' FNL (Sec 32)	392' FWL 397' FNL (Sec 32)
PPP Change	100' FEL 330' FNL (Sec 31)	100' FEL 380' FNL (Sec 31)
Exit Change	100' FWL 330' FNL (Sec 31)	100' FWL 380' FNL (Sec 31)
BHL Change	30' FWL 330' FNL (Sec 31)	30' FWL 380' FNL (Sec 31)

(Revisions are on new plat and on Sundry)

Sundry Notice Detail – Drilling Plan

Phantom Bank 31 Fed Com 701H

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 15,795')
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: 701H
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

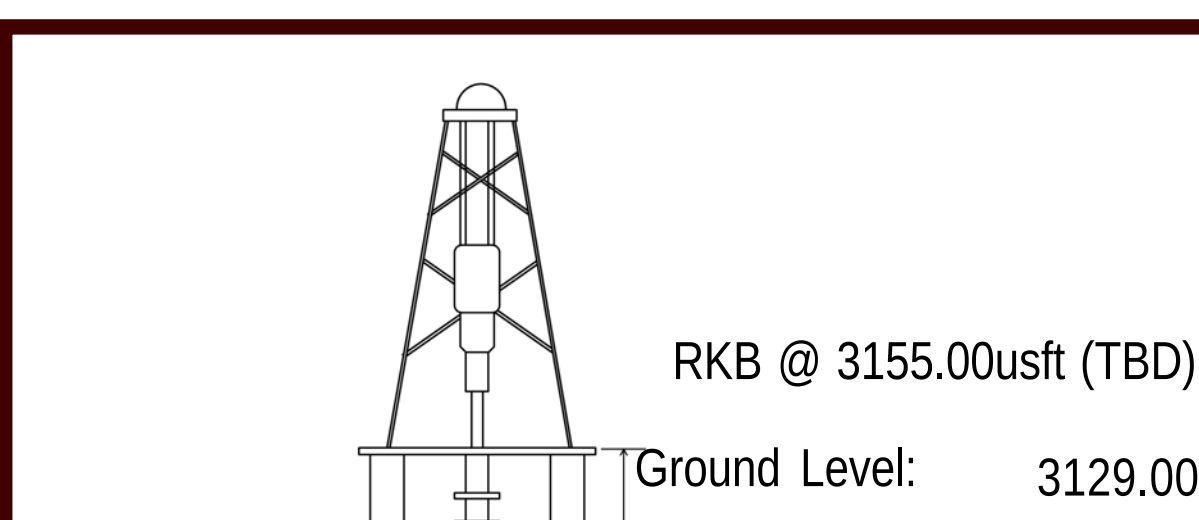
Lithologies	Mineral Resources	Producing Formation
SAND & SHALE	NONE	NO
ANHYDRITE	NONE	NO
SALT	NONE	NO
ANHYDRITE	NONE	NO
LIMESTONE & SHALE	OIL & GAS	NO
SAND & SHALE	OIL & GAS	NO
SAND & SHALE	OIL & GAS	NO
SAND & SHALE	OIL & GAS	NO
LIMESTONE	OIL & GAS	NO
SANDSTONE	OIL & GAS	NO
LIMESTONE & SHALE	OIL & GAS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

Phantom Bank 31 Fed Com

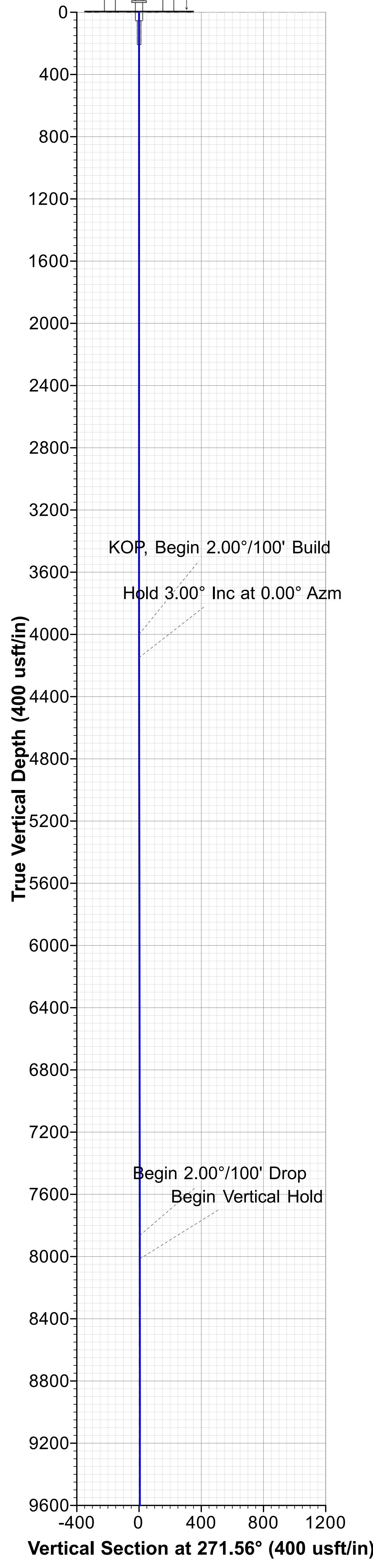
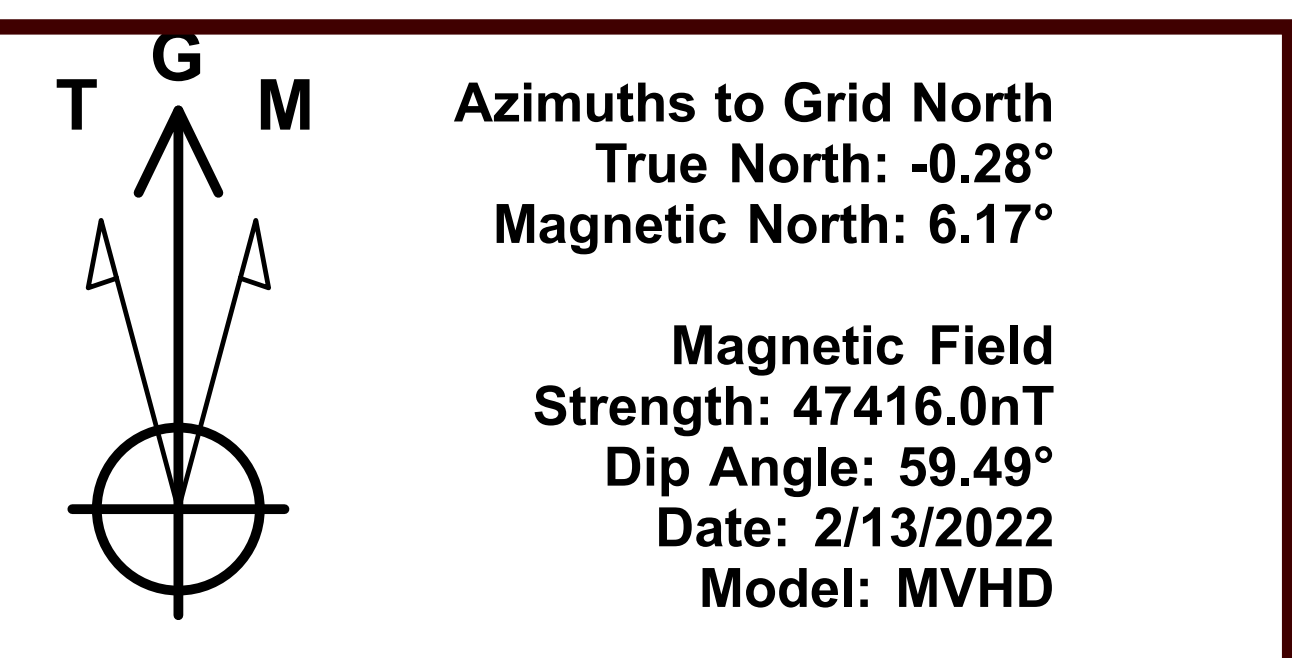
Well: 701H

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	15795
Bottom Setting Depth TVD	720	8000		7700	10326
Bottom Setting Depth MSL	2409	-4871		-4571	-7197
Calculated Casing Length MD	720	8000		7700	8095
Size	10.75	7.625		5.5	5.5
Grade	J-55	HCL-80		P-110 HC	P-110 HC
Weight	54.5	29.7		20	20
Joint	STC	Butt		TCBC-HT	TCBC-HT
Condition (new or used)	New	New		New	New
Standard (API, Non-API)	API	API		API	API
Tapered (Yes, No)	No	No		Yes	Yes
Collapse Design Safety Factor	6.2	1.7		2.8	2.1
Burst Design Safety Factor	7.6	1.7		2.9	2
Body Tensile Design Safety Factor type (Dry or Buoyant)	Dry	Dry		Dry	
Body Tensile Design Safety Factor type	15.7	2.9		2.1	Horizontal
Joint Tensile Design Safety Factor type (Dry or Buoyant)	Dry	Dry		Dry	
Joint Tensile Design Safety Factor type	17.5	3.3		2.1	Horizontal
Coupling OD				6.3"	5.9"



Project: Eddy County, NM (NAD27 NME)
Site: Phantom Bank 31 Fed Com
Well: 701H
Wellbore: OH
Design: Plan 1 12-14-21
Rig: TBD



WELL DETAILS						
				3129.00		
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	365712.00	663007.00	32° 0' 15.717715 N	103° 48' 26.905019 W	

SECTION DETAILS											
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
2	4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00		KOP, Begin 2.00°/100' Build
3	4150.00	3.00	0.00	4149.93	3.93	0.00	2.00	0.00	0.11		Hold 3.00° Inc at 0.00° Azm
4	7870.00	3.00	0.00	7864.83	198.62	0.00	0.00	0.00	5.42		Begin 2.00°/100' Drop
5	8020.00	0.00	0.00	8014.76	202.54	0.00	2.00	180.00	5.53		Begin Vertical Hold
6	9915.74	0.00	0.00	9910.50	202.54	0.00	0.00	0.00	5.53		KOP2, Begin 12.00°/100' Build
7	10671.49	90.69	272.40	10387.93	222.78	-482.79	12.00	272.40	488.69		LP, Hold 90.69° Inc, Begin 2.00°/100' Turn
8	10833.04	90.69	269.17	10385.99	224.99	-644.30	2.00	-90.00	650.20		Hold 269.17° Azm
9	15794.62	90.69	269.17	10326.33	153.00	-5605.00	0.00	0.00	5607.09	BHL - Phantom Bank 31 Fed Com 701H	TD at 15794.62

DESIGN TARGET DETAILS								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
BHL - Phantom Bank 31 Fed Com 701H	10326.33	153.00	-5605.00	365865.00	657402.00	32° 0' 17.497035 N	103° 49' 31.988566 W	
LTP - Phantom Bank 31 Fed Com 701H	10327.17	154.00	-5535.00	365866.00	657472.00	32° 0' 17.503676 N	103° 49' 31.175583 W	
FTP - Phantom Bank 31 Fed Com 701H	10389.00	228.00	-402.00	365940.00	662605.00	32° 0' 17.993402 N	103° 48' 31.560662 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 701H, Grid North

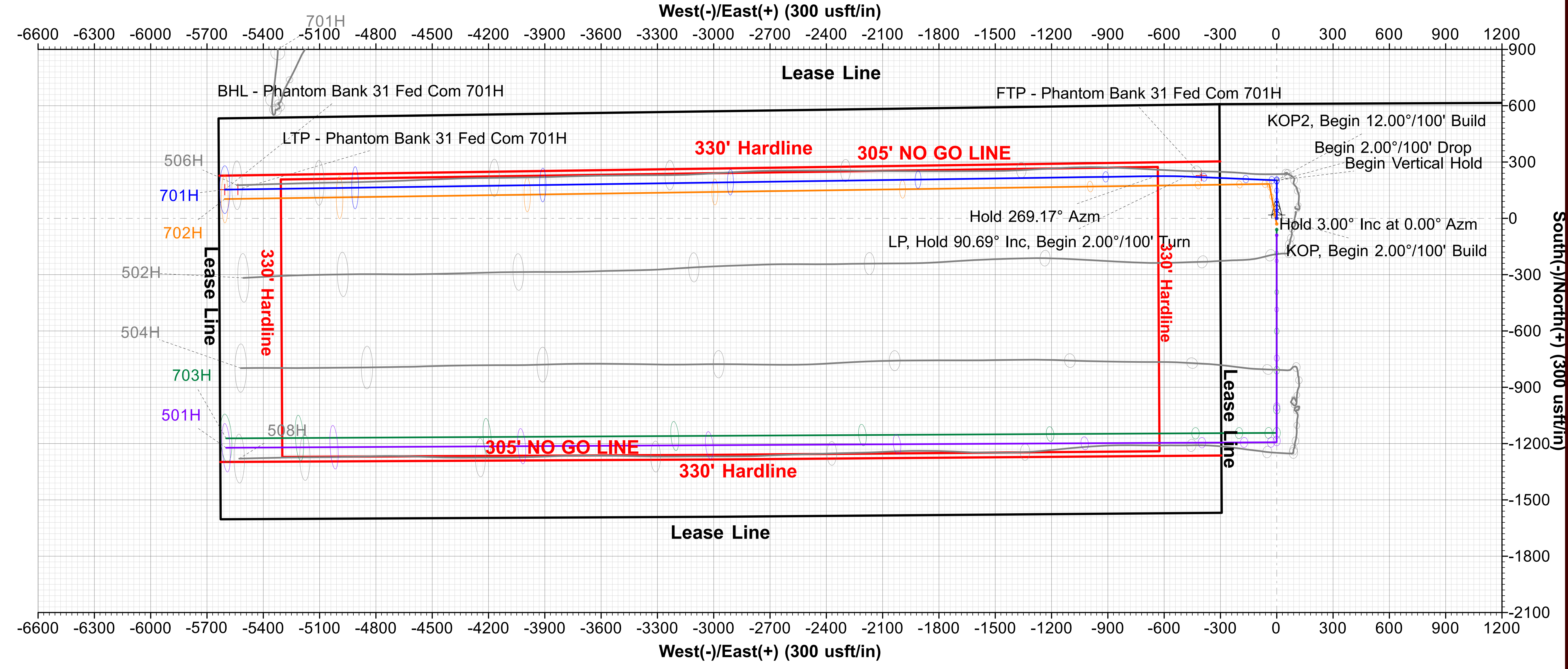
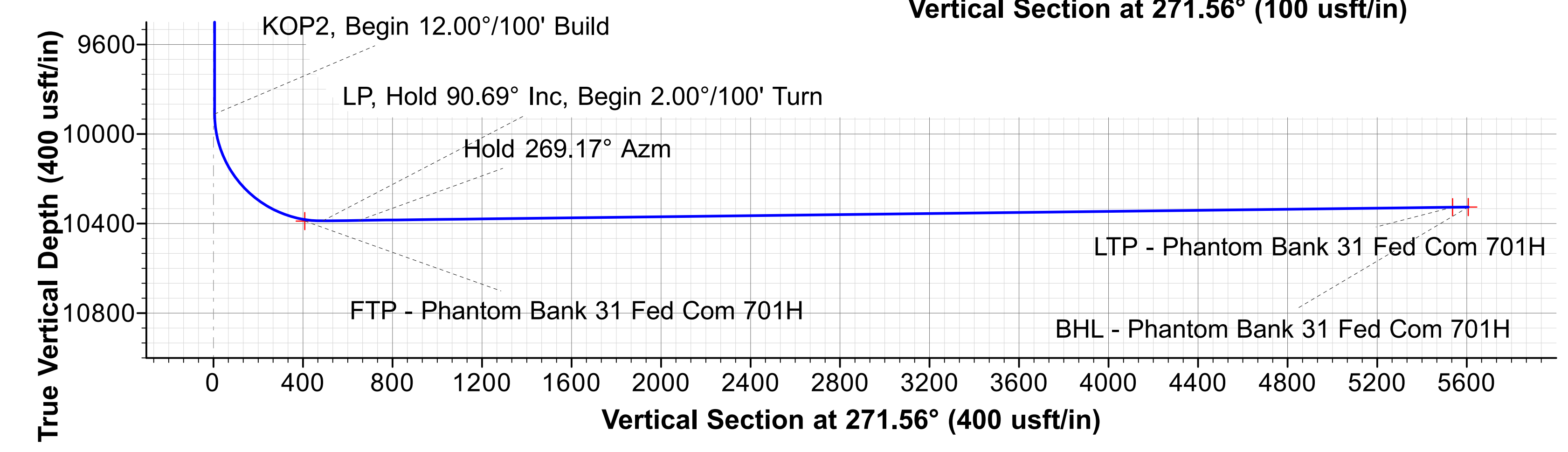
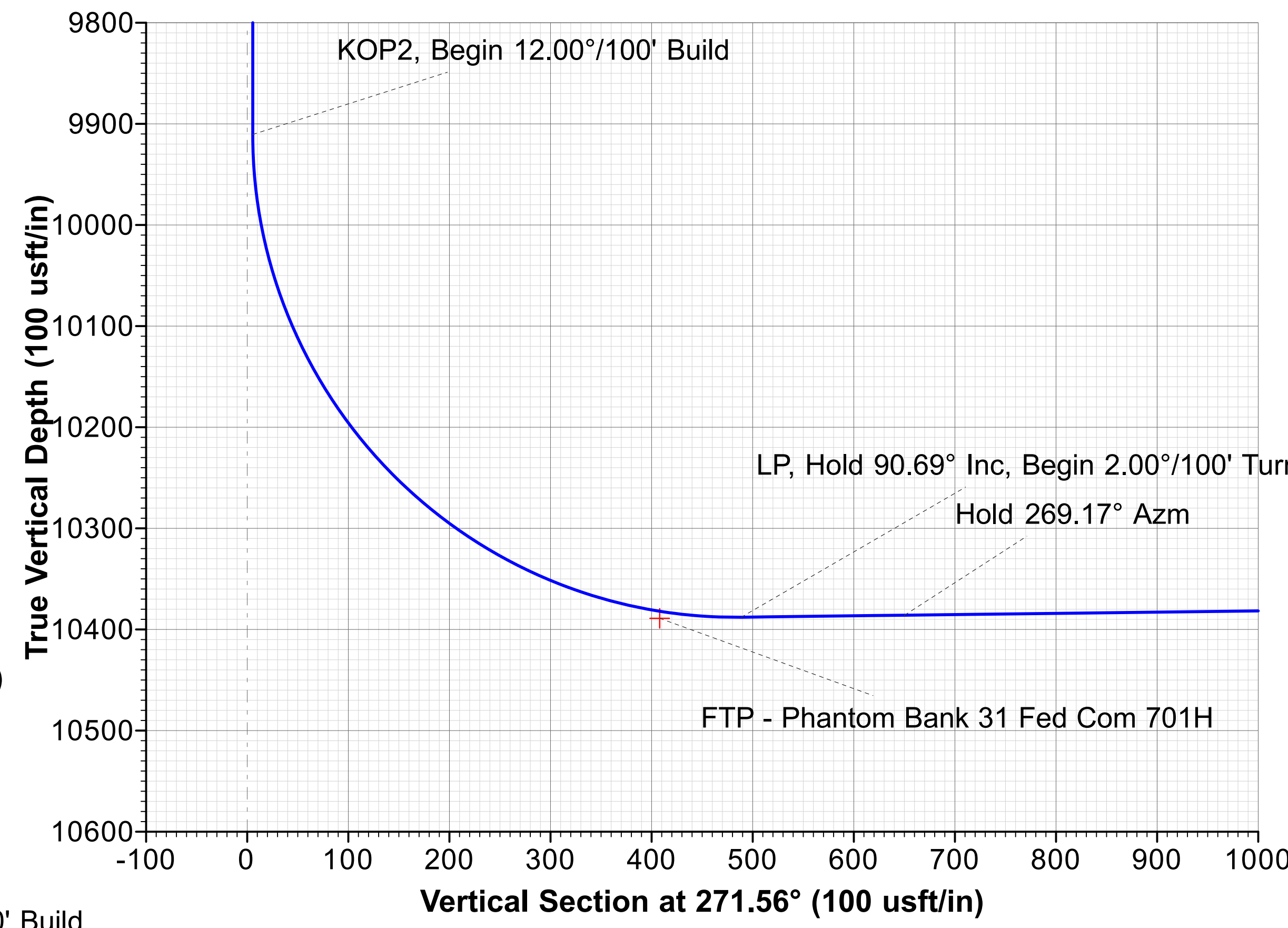
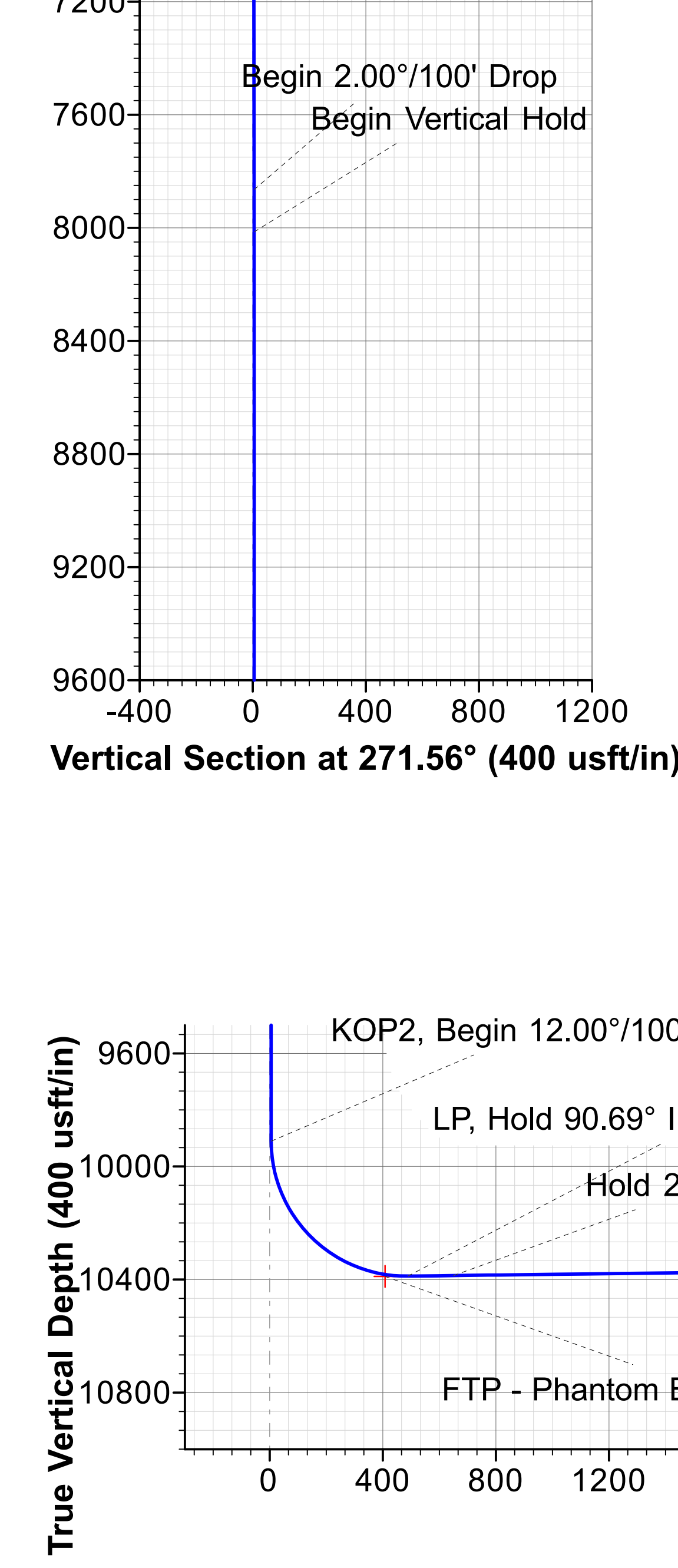
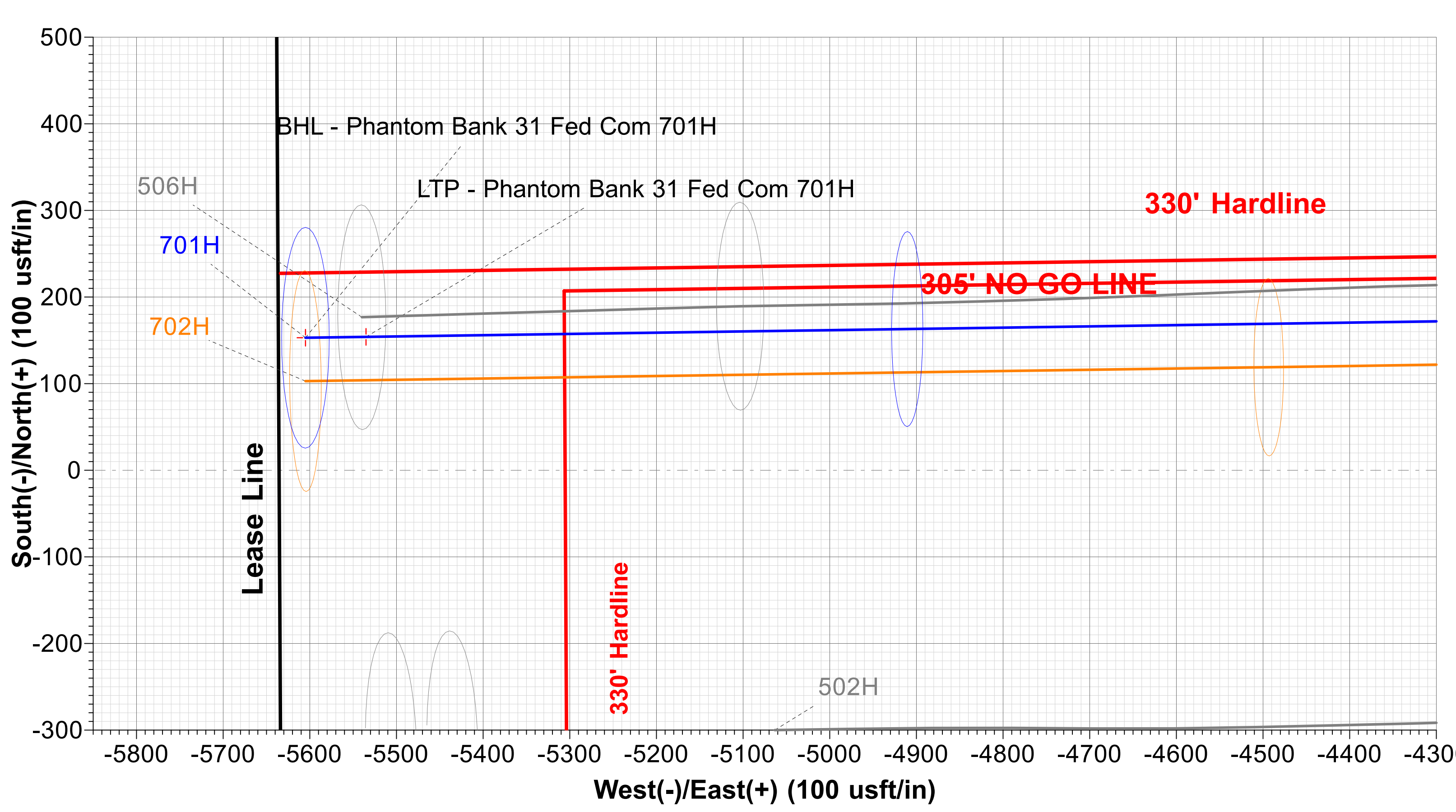
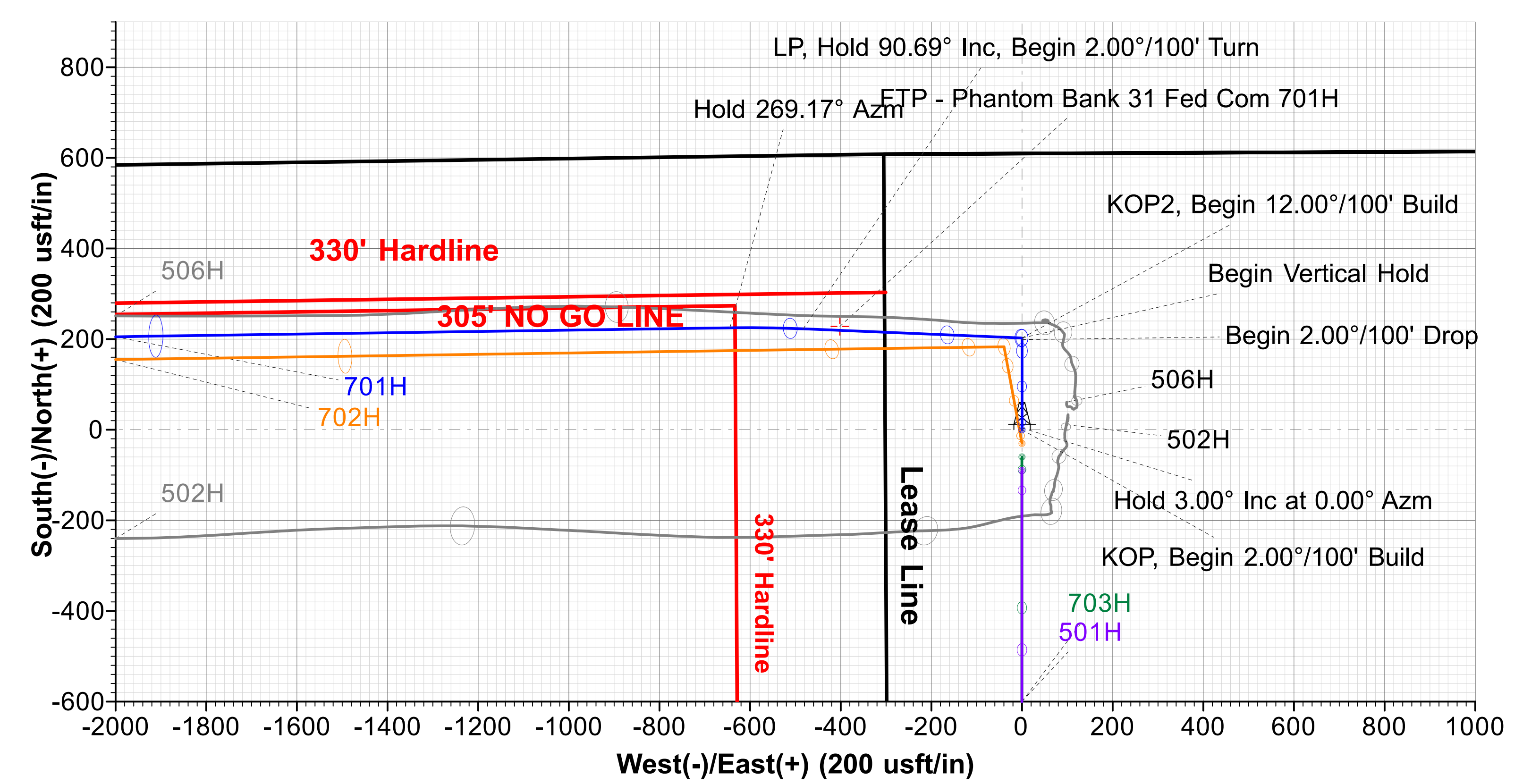
Latitude: 32° 0' 15.717715 N
Longitude: 103° 48' 26.905019 W

Grid East: 663007.00
Grid North: 365712.00
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: 47415.95341741nT

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
 - 703H, OH, Plan 1 12-14-21 V0
 - 501H, OH, Plan 1 12-14-21 V0
 - 506H, OH / 67812, Surveys (H&P 653) 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

701H

OH

Plan: Plan 1 12-14-21

Standard Planning Report

14 December, 2021





Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 701H
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:	701H	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	Latitude:	32° 0' 6.583176 N
From:	Map	Easting:	663,012.00 usft	Longitude:	103° 48' 26.899092 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.28 °

Well	701H					
Well Position	+N/-S	923.00 usft	Northing:	365,712.00 usft	Latitude:	32° 0' 15.717715 N
	+E/-W	-5.00 usft	Easting:	663,007.00 usft	Longitude:	103° 48' 26.905019 W
Position Uncertainty		1.00 usft	Wellhead Elevation:		Ground Level:	3,129.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	2/13/2022	6.45	59.49	47,415.95341741

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)	Direction (°)
	0.00	0.00	0.00	271.56

Plan Survey Tool Program	Date	12/14/2021		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	15,793.88	Plan 1 12-14-21 (OH)	MWD+HRGM
				OWSG MWD + HRGM

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,150.00	3.00	0.00	4,149.93	3.93	0.00	2.00	2.00	0.00	0.00	
7,870.00	3.00	0.00	7,864.83	198.62	0.00	0.00	0.00	0.00	0.00	
8,020.00	0.00	0.00	8,014.76	202.54	0.00	2.00	-2.00	0.00	180.00	
9,915.74	0.00	0.00	9,910.50	202.54	0.00	0.00	0.00	0.00	0.00	
10,671.49	90.69	272.40	10,387.93	222.78	-482.79	12.00	12.00	0.00	272.40	
10,833.04	90.69	269.17	10,385.99	224.99	-644.30	2.00	0.00	-2.00	-90.00	
15,794.62	90.69	269.17	10,326.33	153.00	-5,605.00	0.00	0.00	0.00	0.00	BHL - Phantom Bank



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 701H
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:	701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 12-14-21		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP, Begin 2.00°/100' Build									
4,100.00	2.00	0.00	4,099.98	1.75	0.00	0.05	2.00	2.00	0.00
4,150.00	3.00	0.00	4,149.93	3.93	0.00	0.11	2.00	2.00	0.00
Hold 3.00° Inc at 0.00° Azm									
4,200.00	3.00	0.00	4,199.86	6.54	0.00	0.18	0.00	0.00	0.00
4,300.00	3.00	0.00	4,299.73	11.78	0.00	0.32	0.00	0.00	0.00
4,400.00	3.00	0.00	4,399.59	17.01	0.00	0.46	0.00	0.00	0.00
4,500.00	3.00	0.00	4,499.45	22.24	0.00	0.61	0.00	0.00	0.00
4,600.00	3.00	0.00	4,599.31	27.48	0.00	0.75	0.00	0.00	0.00
4,700.00	3.00	0.00	4,699.18	32.71	0.00	0.89	0.00	0.00	0.00
4,800.00	3.00	0.00	4,799.04	37.94	0.00	1.04	0.00	0.00	0.00
4,900.00	3.00	0.00	4,898.90	43.18	0.00	1.18	0.00	0.00	0.00
5,000.00	3.00	0.00	4,998.77	48.41	0.00	1.32	0.00	0.00	0.00
5,100.00	3.00	0.00	5,098.63	53.65	0.00	1.46	0.00	0.00	0.00
5,200.00	3.00	0.00	5,198.49	58.88	0.00	1.61	0.00	0.00	0.00
5,300.00	3.00	0.00	5,298.36	64.11	0.00	1.75	0.00	0.00	0.00
5,400.00	3.00	0.00	5,398.22	69.35	0.00	1.89	0.00	0.00	0.00
5,500.00	3.00	0.00	5,498.08	74.58	0.00	2.04	0.00	0.00	0.00
5,600.00	3.00	0.00	5,597.94	79.81	0.00	2.18	0.00	0.00	0.00
5,700.00	3.00	0.00	5,697.81	85.05	0.00	2.32	0.00	0.00	0.00
5,800.00	3.00	0.00	5,797.67	90.28	0.00	2.46	0.00	0.00	0.00
5,900.00	3.00	0.00	5,897.53	95.51	0.00	2.61	0.00	0.00	0.00
6,000.00	3.00	0.00	5,997.40	100.75	0.00	2.75	0.00	0.00	0.00
6,100.00	3.00	0.00	6,097.26	105.98	0.00	2.89	0.00	0.00	0.00
6,200.00	3.00	0.00	6,197.12	111.21	0.00	3.03	0.00	0.00	0.00
6,300.00	3.00	0.00	6,296.99	116.45	0.00	3.18	0.00	0.00	0.00
6,400.00	3.00	0.00	6,396.85	121.68	0.00	3.32	0.00	0.00	0.00
6,500.00	3.00	0.00	6,496.71	126.92	0.00	3.46	0.00	0.00	0.00
6,600.00	3.00	0.00	6,596.57	132.15	0.00	3.61	0.00	0.00	0.00
6,700.00	3.00	0.00	6,696.44	137.38	0.00	3.75	0.00	0.00	0.00
6,800.00	3.00	0.00	6,796.30	142.62	0.00	3.89	0.00	0.00	0.00
6,900.00	3.00	0.00	6,896.16	147.85	0.00	4.03	0.00	0.00	0.00
7,000.00	3.00	0.00	6,996.03	153.08	0.00	4.18	0.00	0.00	0.00
7,100.00	3.00	0.00	7,095.89	158.32	0.00	4.32	0.00	0.00	0.00
7,200.00	3.00	0.00	7,195.75	163.55	0.00	4.46	0.00	0.00	0.00
7,300.00	3.00	0.00	7,295.61	168.78	0.00	4.61	0.00	0.00	0.00
7,400.00	3.00	0.00	7,395.48	174.02	0.00	4.75	0.00	0.00	0.00
7,500.00	3.00	0.00	7,495.34	179.25	0.00	4.89	0.00	0.00	0.00
7,600.00	3.00	0.00	7,595.20	184.49	0.00	5.03	0.00	0.00	0.00
7,700.00	3.00	0.00	7,695.07	189.72	0.00	5.18	0.00	0.00	0.00
7,800.00	3.00	0.00	7,794.93	194.95	0.00	5.32	0.00	0.00	0.00
7,870.00	3.00	0.00	7,864.83	198.62	0.00	5.42	0.00	0.00	0.00
Begin 2.00°/100' Drop									
7,900.00	2.40	0.00	7,894.80	200.03	0.00	5.46	2.00	-2.00	0.00
8,000.00	0.40	0.00	7,994.77	202.47	0.00	5.52	2.00	-2.00	0.00
8,020.00	0.00	0.00	8,014.76	202.54	0.00	5.53	2.00	-2.00	0.00
Begin Vertical Hold									
9,915.74	0.00	0.00	9,910.50	202.54	0.00	5.53	0.00	0.00	0.00
KOP2, Begin 12.00°/100' Build									
10,000.00	10.11	272.40	9,994.33	202.85	-7.41	12.94	12.00	12.00	-103.96
10,100.00	22.11	272.40	10,090.23	204.01	-35.09	40.64	12.00	12.00	0.00



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 701H
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:	701H	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)
10,200.00	34.11	272.40	10,178.27	205.98	-82.08	87.67	12.00	12.00	0.00
10,300.00	46.11	272.40	10,254.61	208.68	-146.33	151.97	12.00	12.00	0.00
10,400.00	58.11	272.40	10,315.91	211.97	-225.04	230.74	12.00	12.00	0.00
10,500.00	70.11	272.40	10,359.49	215.73	-314.76	320.53	12.00	12.00	0.00
10,600.00	82.11	272.40	10,383.45	219.79	-411.58	417.42	12.00	12.00	0.00
10,671.49	90.69	272.40	10,387.93	222.78	-482.79	488.69	12.00	12.00	0.00
LP, Hold 90.69° Inc, Begin 2.00°/100' Turn									
10,700.00	90.69	271.83	10,387.59	223.83	-511.28	517.20	2.00	0.00	-2.00
10,800.00	90.69	269.83	10,386.38	225.28	-611.26	617.18	2.00	0.00	-2.00
10,833.04	90.69	269.17	10,385.99	224.99	-644.30	650.20	2.00	0.00	-2.00
Hold 269.17° Azm									
10,900.00	90.69	269.17	10,385.18	224.02	-711.25	717.09	0.00	0.00	0.00
11,000.00	90.69	269.17	10,383.98	222.57	-811.23	817.00	0.00	0.00	0.00
11,100.00	90.69	269.17	10,382.78	221.11	-911.21	916.90	0.00	0.00	0.00
11,200.00	90.69	269.17	10,381.57	219.66	-1,011.19	1,016.81	0.00	0.00	0.00
11,300.00	90.69	269.17	10,380.37	218.21	-1,111.17	1,116.72	0.00	0.00	0.00
11,400.00	90.69	269.17	10,379.17	216.76	-1,211.16	1,216.62	0.00	0.00	0.00
11,500.00	90.69	269.17	10,377.97	215.31	-1,311.14	1,316.53	0.00	0.00	0.00
11,600.00	90.69	269.17	10,376.76	213.86	-1,411.12	1,416.43	0.00	0.00	0.00
11,700.00	90.69	269.17	10,375.56	212.41	-1,511.10	1,516.34	0.00	0.00	0.00
11,800.00	90.69	269.17	10,374.36	210.96	-1,611.09	1,616.24	0.00	0.00	0.00
11,900.00	90.69	269.17	10,373.16	209.51	-1,711.07	1,716.15	0.00	0.00	0.00
12,000.00	90.69	269.17	10,371.95	208.06	-1,811.05	1,816.05	0.00	0.00	0.00
12,100.00	90.69	269.17	10,370.75	206.61	-1,911.03	1,915.96	0.00	0.00	0.00
12,200.00	90.69	269.17	10,369.55	205.15	-2,011.01	2,015.86	0.00	0.00	0.00
12,300.00	90.69	269.17	10,368.35	203.70	-2,111.00	2,115.77	0.00	0.00	0.00
12,400.00	90.69	269.17	10,367.15	202.25	-2,210.98	2,215.67	0.00	0.00	0.00
12,500.00	90.69	269.17	10,365.94	200.80	-2,310.96	2,315.58	0.00	0.00	0.00
12,600.00	90.69	269.17	10,364.74	199.35	-2,410.94	2,415.49	0.00	0.00	0.00
12,700.00	90.69	269.17	10,363.54	197.90	-2,510.93	2,515.39	0.00	0.00	0.00
12,800.00	90.69	269.17	10,362.34	196.45	-2,610.91	2,615.30	0.00	0.00	0.00
12,900.00	90.69	269.17	10,361.13	195.00	-2,710.89	2,715.20	0.00	0.00	0.00
13,000.00	90.69	269.17	10,359.93	193.55	-2,810.87	2,815.11	0.00	0.00	0.00
13,100.00	90.69	269.17	10,358.73	192.10	-2,910.85	2,915.01	0.00	0.00	0.00
13,200.00	90.69	269.17	10,357.53	190.65	-3,010.84	3,014.92	0.00	0.00	0.00
13,300.00	90.69	269.17	10,356.32	189.19	-3,110.82	3,114.82	0.00	0.00	0.00
13,400.00	90.69	269.17	10,355.12	187.74	-3,210.80	3,214.73	0.00	0.00	0.00
13,500.00	90.69	269.17	10,353.92	186.29	-3,310.78	3,314.63	0.00	0.00	0.00
13,600.00	90.69	269.17	10,352.72	184.84	-3,410.77	3,414.54	0.00	0.00	0.00
13,700.00	90.69	269.17	10,351.51	183.39	-3,510.75	3,514.45	0.00	0.00	0.00
13,800.00	90.69	269.17	10,350.31	181.94	-3,610.73	3,614.35	0.00	0.00	0.00
13,900.00	90.69	269.17	10,349.11	180.49	-3,710.71	3,714.26	0.00	0.00	0.00
14,000.00	90.69	269.17	10,347.91	179.04	-3,810.70	3,814.16	0.00	0.00	0.00
14,100.00	90.69	269.17	10,346.71	177.59	-3,910.68	3,914.07	0.00	0.00	0.00
14,200.00	90.69	269.17	10,345.50	176.14	-4,010.66	4,013.97	0.00	0.00	0.00
14,300.00	90.69	269.17	10,344.30	174.69	-4,110.64	4,113.88	0.00	0.00	0.00
14,400.00	90.69	269.17	10,343.10	173.23	-4,210.62	4,213.78	0.00	0.00	0.00
14,500.00	90.69	269.17	10,341.90	171.78	-4,310.61	4,313.69	0.00	0.00	0.00
14,600.00	90.69	269.17	10,340.69	170.33	-4,410.59	4,413.59	0.00	0.00	0.00
14,700.00	90.69	269.17	10,339.49	168.88	-4,510.57	4,513.50	0.00	0.00	0.00
14,800.00	90.69	269.17	10,338.29	167.43	-4,610.55	4,613.41	0.00	0.00	0.00
14,900.00	90.69	269.17	10,337.09	165.98	-4,710.54	4,713.31	0.00	0.00	0.00
15,000.00	90.69	269.17	10,335.88	164.53	-4,810.52	4,813.22	0.00	0.00	0.00
15,100.00	90.69	269.17	10,334.68	163.08	-4,910.50	4,913.12	0.00	0.00	0.00



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 701H
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:	701H	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)
15,200.00	90.69	269.17	10,333.48	161.63	-5,010.48	5,013.03	0.00	0.00	0.00
15,300.00	90.69	269.17	10,332.28	160.18	-5,110.46	5,112.93	0.00	0.00	0.00
15,400.00	90.69	269.17	10,331.07	158.73	-5,210.45	5,212.84	0.00	0.00	0.00
15,500.00	90.69	269.17	10,329.87	157.27	-5,310.43	5,312.74	0.00	0.00	0.00
15,600.00	90.69	269.17	10,328.67	155.82	-5,410.41	5,412.65	0.00	0.00	0.00
15,700.00	90.69	269.17	10,327.47	154.37	-5,510.39	5,512.55	0.00	0.00	0.00
15,794.62	90.69	269.17	10,326.33	153.00	-5,605.00	5,607.09	0.00	0.00	0.00
TD at 15794.62									

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
BHL - Phantom Bank 31 - plan hits target center - Point	0.00	0.00	10,326.33	153.00	-5,605.00	365,865.00	657,402.00	32° 0' 17.497035 N 103° 49' 31.988566 W	
LTP - Phantom Bank 31 - plan misses target center by 24.61usft at 15700.00usft MD (10327.47 TVD, 154.37 N, -5510.39 E) - Point	0.00	0.00	10,327.17	154.00	-5,535.00	365,866.00	657,472.00	32° 0' 17.503676 N 103° 49' 31.175583 W	
FTP - Phantom Bank 31 - plan misses target center by 11.01usft at 10592.36usft MD (10382.34 TVD, 219.48 N, -404.03 E) - Point	0.00	0.00	10,389.00	228.00	-402.00	365,940.00	662,605.00	32° 0' 17.993402 N 103° 48' 31.560663 W	

Casing Points				
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
15,795.15		20" Casing	20	24

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
4,000.00	4,000.00	0.00	0.00	KOP, Begin 2.00°/100' Build
4,150.00	4,149.93	3.93	0.00	Hold 3.00° Inc at 0.00° Azm
7,870.00	7,864.83	198.62	0.00	Begin 2.00°/100' Drop
8,020.00	8,014.76	202.54	0.00	Begin Vertical Hold
9,915.74	9,910.50	202.54	0.00	KOP2, Begin 12.00°/100' Build
10,671.49	10,387.93	222.78	-482.79	LP, Hold 90.69° Inc, Begin 2.00°/100' Turn
10,833.04	10,385.99	224.99	-644.30	Hold 269.17° Azm
15,794.62	10,326.33	153.00	-5,605.00	TD at 15794.62



Flat Creek Resources, LLC

Eddy County, NM (NAD27 NME)

Phantom Bank 31 Fed Com

701H

OH

Plan 1 12-14-21

Anticollision Report

14 December, 2021





Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 701H
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:	701H	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	15,793.88	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	90.00	73.47	5.446	CC, ES, SF
502H - OH / 67810 - Surveys (H&P 653)	2,637.07	2,639.50	94.60	76.66	5.273	CC
502H - OH / 67810 - Surveys (H&P 653)	2,700.00	2,702.10	94.72	76.57	5.218	ES
502H - OH / 67810 - Surveys (H&P 653)	4,100.00	4,103.93	103.79	81.37	4.630	SF
504H - OH / 67811 - Surveys (H&P 653)	1,855.64	1,843.18	959.81	945.93	69.188	CC
504H - OH / 67811 - Surveys (H&P 653)	15,715.55	16,343.00	1,154.03	931.46	5.185	ES, SF
506H - OH / 67812 - Surveys (H&P 653)	9,640.15	9,646.32	58.44	19.56	1.503	CC, ES, SF
508H - OH / 67813 - Surveys (H&P 653)	1,377.61	1,362.83	1,008.08	993.80	70.592	CC
508H - OH / 67813 - Surveys (H&P 653)	2,000.00	1,982.38	1,010.32	993.63	60.534	ES
508H - OH / 67813 - Surveys (H&P 653)	15,794.62	16,768.00	1,773.07	1,557.14	8.211	SF
702H - OH - Plan 1 12-14-21	4,000.00	4,000.00	30.00	13.47	1.815	CC
702H - OH - Plan 1 12-14-21	5,200.00	5,201.49	32.70	12.09	1.587	ES
702H - OH - Plan 1 12-14-21	8,904.09	8,904.47	44.01	15.23	1.529	SF
703H - OH - Plan 1 12-14-21	4,000.00	4,000.00	60.00	43.47	3.631	CC, ES, SF
Stella Blue 30 Fed Com						
701H - OH / Job 63103 - OH / Job 63103	15,526.55	10,343.00	394.64	239.38	2.542	CC, ES, SF

Offset Design:	Phantom Bank 31 Fed Com - 501H - OH - Plan 1 12-14-21												Offset Site Error:	0.00 usft
Survey Program:	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	-90.00	0.00	90.00					
100.00	100.00	100.00	100.00	1.09	1.09	180.00	-90.00	0.00	90.00	87.83	2.17	41.459		
200.00	200.00	200.00	200.00	1.60	1.60	180.00	-90.00	0.00	90.00	86.80	3.20	28.125		
300.00	300.00	300.00	300.00	2.01	2.01	180.00	-90.00	0.00	90.00	85.98	4.02	22.380		
400.00	400.00	400.00	400.00	2.35	2.35	180.00	-90.00	0.00	90.00	85.29	4.71	19.120		
500.00	500.00	500.00	500.00	2.65	2.65	180.00	-90.00	0.00	90.00	84.69	5.31	16.950		
600.00	600.00	600.00	600.00	2.93	2.93	180.00	-90.00	0.00	90.00	84.14	5.86	15.370		
700.00	700.00	700.00	700.00	3.18	3.18	180.00	-90.00	0.00	90.00	83.64	6.36	14.154		
800.00	800.00	800.00	800.00	3.41	3.41	180.00	-90.00	0.00	90.00	83.17	6.83	13.180		
900.00	900.00	900.00	900.00	3.64	3.64	180.00	-90.00	0.00	90.00	82.73	7.27	12.376		
1,000.00	1,000.00	1,000.00	1,000.00	3.85	3.85	180.00	-90.00	0.00	90.00	82.31	7.69	11.699		

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 701H
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:	701H	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 (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
1,100.00	1,100.00	1,100.00	1,100.00	4.05	4.05	180.00	-90.00	0.00	90.00	81.90	8.10	11.117	
1,200.00	1,200.00	1,200.00	1,200.00	4.24	4.24	180.00	-90.00	0.00	90.00	81.52	8.48	10.610	
1,300.00	1,300.00	1,300.00	1,300.00	4.43	4.43	180.00	-90.00	0.00	90.00	81.14	8.86	10.163	
1,400.00	1,400.00	1,400.00	1,400.00	4.61	4.61	180.00	-90.00	0.00	90.00	80.78	9.22	9.766	
1,500.00	1,500.00	1,500.00	1,500.00	4.78	4.78	180.00	-90.00	0.00	90.00	80.43	9.57	9.408	
1,600.00	1,600.00	1,600.00	1,600.00	4.95	4.95	180.00	-90.00	0.00	90.00	80.09	9.91	9.085	
1,700.00	1,700.00	1,700.00	1,700.00	5.12	5.12	180.00	-90.00	0.00	90.00	79.76	10.24	8.791	
1,800.00	1,800.00	1,800.00	1,800.00	5.28	5.28	180.00	-90.00	0.00	90.00	79.44	10.56	8.522	
1,900.00	1,900.00	1,900.00	1,900.00	5.44	5.44	180.00	-90.00	0.00	90.00	79.12	10.88	8.274	
2,000.00	2,000.00	2,000.00	2,000.00	5.59	5.59	180.00	-90.00	0.00	90.00	78.81	11.19	8.045	
2,100.00	2,100.00	2,100.00	2,100.00	5.75	5.75	180.00	-90.00	0.00	90.00	78.51	11.49	7.832	
2,200.00	2,200.00	2,200.00	2,200.00	5.89	5.89	180.00	-90.00	0.00	90.00	78.21	11.79	7.634	
2,300.00	2,300.00	2,300.00	2,300.00	6.04	6.04	180.00	-90.00	0.00	90.00	77.92	12.08	7.449	
2,400.00	2,400.00	2,400.00	2,400.00	6.19	6.19	180.00	-90.00	0.00	90.00	77.63	12.37	7.275	
2,500.00	2,500.00	2,500.00	2,500.00	6.33	6.33	180.00	-90.00	0.00	90.00	77.35	12.65	7.112	
2,600.00	2,600.00	2,600.00	2,600.00	6.47	6.47	180.00	-90.00	0.00	90.00	77.07	12.93	6.958	
2,700.00	2,700.00	2,700.00	2,700.00	6.61	6.61	180.00	-90.00	0.00	90.00	76.79	13.21	6.813	
2,800.00	2,800.00	2,800.00	2,800.00	6.74	6.74	180.00	-90.00	0.00	90.00	76.52	13.48	6.675	
2,900.00	2,900.00	2,900.00	2,900.00	6.88	6.88	180.00	-90.00	0.00	90.00	76.25	13.75	6.545	
3,000.00	3,000.00	3,000.00	3,000.00	7.01	7.01	180.00	-90.00	0.00	90.00	75.98	14.02	6.421	
3,100.00	3,100.00	3,100.00	3,100.00	7.14	7.14	180.00	-90.00	0.00	90.00	75.72	14.28	6.303	
3,200.00	3,200.00	3,200.00	3,200.00	7.27	7.27	180.00	-90.00	0.00	90.00	75.46	14.54	6.191	
3,300.00	3,300.00	3,300.00	3,300.00	7.40	7.40	180.00	-90.00	0.00	90.00	75.21	14.79	6.083	
3,400.00	3,400.00	3,400.00	3,400.00	7.52	7.52	180.00	-90.00	0.00	90.00	74.95	15.05	5.981	
3,500.00	3,500.00	3,500.00	3,500.00	7.65	7.65	180.00	-90.00	0.00	90.00	74.70	15.30	5.882	
3,600.00	3,600.00	3,600.00	3,600.00	7.77	7.77	180.00	-90.00	0.00	90.00	74.45	15.55	5.788	
3,700.00	3,700.00	3,700.00	3,700.00	7.90	7.90	180.00	-90.00	0.00	90.00	74.20	15.80	5.697	
3,800.00	3,800.00	3,800.00	3,800.00	8.02	8.02	180.00	-90.00	0.00	90.00	73.96	16.04	5.610	
3,900.00	3,900.00	3,900.00	3,900.00	8.14	8.14	180.00	-90.00	0.00	90.00	73.72	16.28	5.527	
4,000.00	4,000.00	4,000.00	4,000.00	8.26	8.26	180.00	-90.00	0.00	90.00	73.47	16.53	5.446 CC, ES, SF	
4,100.00	4,099.98	4,096.83	4,096.81	8.49	8.37	-180.00	-91.64	0.00	93.44	76.58	16.86	5.544	
4,150.00	4,149.93	4,145.04	4,144.97	8.57	8.54	-180.00	-93.68	0.00	97.73	80.63	17.10	5.716	
4,200.00	4,199.86	4,193.04	4,192.89	8.62	8.71	-180.00	-96.52	0.00	103.30	85.98	17.31	5.966	
4,300.00	4,299.73	4,288.44	4,287.95	8.75	9.06	-180.00	-104.54	0.00	116.91	99.15	17.77	6.579	
4,400.00	4,399.59	4,382.86	4,381.72	8.90	9.41	-180.00	-115.61	0.00	133.82	115.58	18.24	7.337	
4,500.00	4,499.45	4,476.12	4,473.92	9.06	9.76	-180.00	-129.57	0.00	153.95	135.24	18.71	8.229	
4,600.00	4,599.31	4,568.05	4,564.32	9.24	10.11	-180.00	-146.27	0.00	177.24	158.05	19.18	9.239	
4,700.00	4,699.18	4,658.49	4,652.67	9.42	10.46	-180.00	-165.53	0.00	203.62	183.96	19.66	10.356	
4,800.00	4,799.04	4,748.40	4,739.87	9.61	10.72	-180.00	-187.44	0.00	233.02	212.96	20.06	11.618	
4,900.00	4,898.90	4,842.30	4,830.57	9.81	10.88	-180.00	-211.75	0.00	263.92	243.52	20.41	12.934	
5,000.00	4,998.77	4,937.40	4,922.44	10.01	11.07	-180.00	-236.37	-0.01	294.83	274.03	20.81	14.171	
5,100.00	5,098.63	5,032.51	5,014.30	10.23	11.27	-180.00	-260.99	-0.01	325.74	304.51	21.23	15.340	
5,200.00	5,198.49	5,127.61	5,106.16	10.45	11.50	-180.00	-285.61	-0.01	356.65	334.97	21.69	16.445	
5,300.00	5,298.36	5,222.71	5,198.02	10.67	11.74	-180.00	-310.24	-0.01	387.56	365.40	22.16	17.488	
5,400.00	5,398.22	5,317.82	5,289.88	10.91	11.99	-180.00	-334.86	-0.01	418.47	395.81	22.66	18.470	
5,500.00	5,498.08	5,412.92	5,381.74	11.15	12.26	-180.00	-359.48	-0.01	449.38	426.21	23.17	19.395	
5,600.00	5,597.94	5,508.02	5,473.60	11.39	12.53	-180.00	-384.10	-0.01	480.29	456.59	23.70	20.263	
5,700.00	5,697.81	5,603.13	5,565.46	11.64	12.82	-180.00	-408.72	-0.01	511.20	486.95	24.25	21.079	
5,800.00	5,797.67	5,698.23	5,657.32	11.90	13.12	-180.00	-433.34	-0.01	542.11	517.29	24.82	21.845	
5,900.00	5,897.53	5,793.33	5,749.18	12.15	13.43	-180.00	-457.97	-0.01	573.02	547.62	25.40	22.564	
6,000.00	5,997.40	5,888.44	5,841.04	12.42	13.75	-180.00	-482.59	-0.01	603.93	577.94	25.99	23.239	
6,100.00	6,097.26	5,983.54	5,932.90	12.68	14.08	-180.00	-507.21	-0.01	634.84	608.24	26.59	23.872	

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



Anticollision Report



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Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 501H - OH - Plan 1 12-14-21													Offset Site Error:	0.00 usft
Survey Program:		0-MWD+HRGM				Rule Assigned:				Offset Well Error:		1.00 usft		
Reference		Offset		Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,200.00	6,197.12	6,078.64	6,024.76	12.95	14.42	-180.00	-531.83	-0.02	665.75	638.53	27.21	24.466		
6,300.00	6,296.99	6,173.75	6,116.62	13.23	14.77	-180.00	-556.45	-0.02	696.66	668.82	27.84	25.024		
6,400.00	6,396.85	6,268.85	6,208.48	13.51	15.12	-180.00	-581.08	-0.02	727.56	699.09	28.48	25.548		
6,500.00	6,496.71	6,363.95	6,300.34	13.79	15.48	-180.00	-605.70	-0.02	758.47	729.35	29.13	26.041		
6,600.00	6,596.57	6,459.06	6,392.21	14.07	15.84	-180.00	-630.32	-0.02	789.38	759.60	29.78	26.504		
6,700.00	6,696.44	6,554.16	6,484.07	14.35	16.21	-180.00	-654.94	-0.02	820.29	789.84	30.45	26.940		
6,800.00	6,796.30	6,649.26	6,575.93	14.64	16.59	-180.00	-679.56	-0.02	851.20	820.08	31.12	27.350		
6,900.00	6,896.16	6,744.36	6,667.79	14.93	16.97	-180.00	-704.19	-0.02	882.11	850.31	31.80	27.737		
7,000.00	6,996.03	6,839.47	6,759.65	15.23	17.35	-180.00	-728.81	-0.02	913.02	880.53	32.49	28.101		
7,100.00	7,095.89	6,934.57	6,851.51	15.52	17.74	-180.00	-753.43	-0.02	943.93	910.75	33.18	28.445		
7,200.00	7,195.75	7,029.67	6,943.37	15.82	18.14	-180.00	-778.05	-0.02	974.84	940.95	33.89	28.769		
7,300.00	7,295.61	7,124.78	7,035.23	16.12	18.53	-180.00	-802.67	-0.03	1,005.75	971.16	34.59	29.075		
7,400.00	7,395.48	7,219.88	7,127.09	16.42	18.93	-180.00	-827.30	-0.03	1,036.66	1,001.36	35.30	29.365		
7,500.00	7,495.34	7,314.98	7,218.95	16.72	19.34	-180.00	-851.92	-0.03	1,067.57	1,031.55	36.02	29.639		
7,600.00	7,595.20	7,410.09	7,310.81	17.02	19.75	-180.00	-876.54	-0.03	1,098.48	1,061.74	36.74	29.899		
7,700.00	7,695.07	7,505.19	7,402.67	17.33	20.16	-180.00	-901.16	-0.03	1,129.39	1,091.92	37.47	30.145		
7,800.00	7,794.93	7,600.29	7,494.53	17.63	20.57	-180.00	-925.78	-0.03	1,160.30	1,122.10	38.20	30.378		
7,870.00	7,864.83	7,666.87	7,558.83	17.84	20.86	-180.00	-943.02	-0.03	1,181.93	1,143.23	38.70	30.541		
7,900.00	7,894.80	7,695.44	7,586.44	17.92	20.99	-180.00	-950.42	-0.03	1,191.06	1,152.15	38.91	30.611		
8,000.00	7,994.77	7,791.37	7,679.09	18.23	21.41	-180.00	-975.25	-0.03	1,219.30	1,179.65	39.65	30.751		
8,020.00	8,014.76	7,810.67	7,697.74	18.25	21.50	-180.00	-980.25	-0.03	1,224.54	1,184.78	39.76	30.796		
8,100.00	8,094.76	7,887.94	7,772.37	18.30	21.84	-180.00	-1,000.25	-0.03	1,245.25	1,205.08	40.17	30.997		
8,200.00	8,194.76	7,984.53	7,865.67	18.37	22.27	-180.00	-1,025.26	-0.03	1,271.14	1,230.45	40.70	31.234		
8,300.00	8,294.76	8,081.12	7,958.97	18.44	22.70	-180.00	-1,050.27	-0.03	1,297.03	1,255.81	41.23	31.462		
8,400.00	8,394.76	8,177.71	8,052.26	18.51	23.14	-180.00	-1,075.28	-0.04	1,322.92	1,281.17	41.76	31.682		
8,500.00	8,494.77	8,290.74	8,161.50	18.58	23.64	-180.00	-1,104.33	-0.04	1,348.70	1,306.32	42.38	31.825		
8,600.00	8,594.77	8,477.03	8,343.38	18.64	24.57	-180.00	-1,144.45	-0.04	1,370.25	1,326.75	43.50	31.498		
8,700.00	8,694.77	8,667.96	8,532.10	18.71	25.53	-180.00	-1,173.19	-0.04	1,385.31	1,340.78	44.53	31.111		
8,800.00	8,794.77	8,861.95	8,725.37	18.78	26.39	-180.00	-1,189.41	-0.04	1,393.68	1,348.35	45.34	30.741		
8,900.00	8,894.77	9,031.40	8,894.77	18.85	26.72	-180.00	-1,192.96	-0.04	1,395.50	1,349.92	45.58	30.619		
8,905.05	8,899.82	9,036.45	8,899.82	18.86	26.73	-180.00	-1,192.96	-0.04	1,395.50	1,349.92	45.58	30.615		
9,000.00	8,994.77	9,130.97	8,994.32	18.92	26.77	-179.97	-1,192.96	-0.78	1,395.50	1,349.81	45.69	30.540		
9,100.00	9,094.77	9,226.74	9,088.76	18.99	26.78	-179.36	-1,193.04	-15.65	1,395.68	1,349.89	45.79	30.481		
9,200.00	9,194.77	9,313.49	9,170.23	19.06	26.80	-178.15	-1,193.19	-45.14	1,396.68	1,350.75	45.92	30.413		
9,300.00	9,294.77	9,387.73	9,234.74	19.13	26.83	-176.65	-1,193.38	-81.72	1,399.60	1,353.49	46.10	30.357		
9,400.00	9,394.77	9,450.00	9,283.94	19.20	26.87	-175.10	-1,193.58	-119.81	1,405.63	1,359.31	46.32	30.348		
9,500.00	9,494.77	9,500.00	9,319.60	19.27	26.93	-173.67	-1,193.76	-154.83	1,415.74	1,369.20	46.54	30.420		
9,600.00	9,594.77	9,540.11	9,345.43	19.34	26.99	-172.43	-1,193.92	-185.49	1,430.62	1,383.87	46.75	30.601		
9,700.00	9,694.77	9,575.00	9,365.74	19.42	27.06	-171.29	-1,194.07	-213.86	1,450.69	1,403.76	46.93	30.909		
9,800.00	9,794.77	9,600.00	9,378.99	19.49	27.12	-170.45	-1,194.18	-235.05	1,476.12	1,429.04	47.08	31.355		
9,900.00	9,894.77	9,625.00	9,391.12	19.56	27.20	-169.58	-1,194.29	-256.91	1,506.92	1,459.72	47.19	31.930		
9,915.74	9,910.50	9,625.00	9,391.12	19.56	27.20	-169.58	-1,194.29	-256.91	1,512.25	1,465.05	47.20	32.042		
9,925.00	9,919.76	9,625.00	9,391.12	19.56	27.20	-81.57	-1,194.29	-256.91	1,515.44	1,468.25	47.19	32.111		
9,950.00	9,944.74	9,634.89	9,395.60	19.57	27.23	-80.14	-1,194.33	-265.73	1,524.11	1,476.90	47.21	32.283		
9,975.00	9,969.61	9,640.58	9,398.09	19.58	27.25	-78.84	-1,194.36	-270.84	1,532.90	1,485.69	47.22	32.465		
10,000.00	9,994.33	9,650.00	9,402.08	19.59	27.28	-77.43	-1,194.41	-279.37	1,541.77	1,494.54	47.23	32.642		
10,025.00	10,018.81	9,650.00	9,402.08	19.60	27.28	-76.32	-1,194.41	-279.37	1,550.65	1,503.43	47.22	32.838		
10,050.00	10,043.00	9,659.05	9,405.76	19.61	27.31	-74.94	-1,194.45	-287.65	1,559.54	1,512.30	47.24	33.012		
10,075.00	10,066.83	9,665.63	9,408.34	19.62	27.34	-73.66	-1,194.48	-293.70	1,568.40	1,521.14	47.25	33.190		
10,100.00	10,090.23	9,675.00	9,411.86	19.64	27.37	-72.34	-1,194.52	-302.38	1,577.19	1,529.91	47.28	33.359		
10,125.00	10,113.13	9,675.00	9,411.86	19.66	27.37	-71.28	-1,194.52	-302.38	1,585.89	1,538.62	47.27	33.547		
10,150.00	10,135.48	9,686.40	9,415.91	19.68	27.42	-69.97	-1,194.58	-313.04	1,594.44	1,547.13	47.31	33.699		

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 701H
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:	701H	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	
10,175.00	10,157.21	9,700.00	9,420.41	19.71	27.48	-68.67	-1,194.65	-325.87	1,602.88	1,555.51	47.37	33.840	
10,200.00	10,178.27	9,700.00	9,420.41	19.74	27.48	-67.70	-1,194.65	-325.87	1,611.07	1,563.70	47.37	34.011	
10,225.00	10,198.59	9,708.46	9,423.03	19.78	27.52	-66.60	-1,194.69	-333.91	1,619.07	1,571.66	47.41	34.149	
10,250.00	10,218.12	9,716.05	9,425.25	19.82	27.56	-65.56	-1,194.73	-341.17	1,626.83	1,579.38	47.46	34.280	
10,275.00	10,236.81	9,725.00	9,427.73	19.87	27.60	-64.55	-1,194.77	-349.77	1,634.33	1,586.82	47.51	34.397	
10,300.00	10,254.61	9,725.00	9,427.73	19.92	27.60	-63.74	-1,194.77	-349.77	1,641.58	1,594.04	47.53	34.535	
10,325.00	10,271.46	9,739.39	9,431.37	19.99	27.68	-62.76	-1,194.84	-363.69	1,648.44	1,600.81	47.63	34.608	
10,350.00	10,287.32	9,750.00	9,433.78	20.06	27.73	-61.89	-1,194.90	-374.02	1,655.01	1,607.29	47.72	34.680	
10,375.00	10,302.15	9,750.00	9,433.78	20.14	27.73	-61.22	-1,194.90	-374.02	1,661.24	1,613.48	47.76	34.781	
10,400.00	10,315.91	9,763.43	9,436.51	20.24	27.81	-60.44	-1,194.96	-387.17	1,667.06	1,619.17	47.89	34.809	
10,425.00	10,328.55	9,775.00	9,438.56	20.34	27.88	-59.75	-1,195.02	-398.56	1,672.53	1,624.52	48.01	34.834	
10,450.00	10,340.05	9,775.00	9,438.56	20.46	27.88	-59.21	-1,195.02	-398.56	1,677.60	1,629.52	48.08	34.890	
10,475.00	10,350.37	9,787.98	9,440.53	20.59	27.96	-58.63	-1,195.09	-411.39	1,682.22	1,633.98	48.24	34.870	
10,500.00	10,359.49	9,800.00	9,442.05	20.73	28.04	-58.12	-1,195.15	-423.31	1,686.44	1,638.03	48.41	34.838	
10,525.00	10,367.37	9,800.00	9,442.05	20.89	28.04	-57.73	-1,195.15	-423.31	1,690.22	1,641.71	48.51	34.845	
10,550.00	10,374.01	9,812.89	9,443.34	21.06	28.12	-57.34	-1,195.22	-436.14	1,693.52	1,644.81	48.70	34.771	
10,575.00	10,379.37	9,825.00	9,444.23	21.25	28.21	-57.01	-1,195.28	-448.21	1,696.39	1,647.48	48.91	34.684	
10,600.00	10,383.45	9,825.00	9,444.23	21.45	28.21	-56.77	-1,195.28	-448.21	1,698.79	1,649.75	49.04	34.641	
10,625.00	10,386.23	9,838.00	9,444.85	21.66	28.30	-56.56	-1,195.35	-461.20	1,700.70	1,651.42	49.28	34.511	
10,650.00	10,387.71	9,850.00	9,445.11	21.88	28.39	-56.42	-1,195.41	-473.19	1,702.15	1,652.63	49.52	34.371	
10,671.49	10,387.93	9,853.61	9,445.13	22.09	28.42	-56.34	-1,195.43	-476.80	1,703.00	1,653.32	49.69	34.275	
10,700.00	10,387.59	9,871.19	9,444.98	22.37	28.56	-56.37	-1,195.52	-494.38	1,703.92	1,653.90	50.02	34.068	
10,800.00	10,386.38	9,971.16	9,443.97	23.53	29.45	-56.45	-1,196.04	-594.35	1,705.45	1,653.77	51.68	33.001	
10,833.04	10,385.99	10,004.20	9,443.64	23.94	29.77	-56.46	-1,196.21	-627.39	1,705.32	1,653.06	52.26	32.630	
10,900.00	10,385.18	10,071.16	9,442.96	24.81	30.50	-56.45	-1,196.56	-694.34	1,704.73	1,651.19	53.54	31.841	
11,000.00	10,383.98	10,171.15	9,441.95	26.24	31.68	-56.44	-1,197.08	-794.33	1,703.85	1,648.23	55.62	30.635	
11,100.00	10,382.78	10,271.15	9,440.94	27.78	32.98	-56.43	-1,197.60	-894.31	1,702.96	1,645.07	57.89	29.415	
11,200.00	10,381.57	10,371.14	9,439.92	29.42	34.38	-56.41	-1,198.11	-994.30	1,702.08	1,641.74	60.34	28.208	
11,300.00	10,380.37	10,471.14	9,438.91	31.14	35.87	-56.40	-1,198.63	-1,094.29	1,701.20	1,638.27	62.94	27.031	
11,400.00	10,379.17	10,571.13	9,437.90	32.93	37.44	-56.39	-1,199.15	-1,194.28	1,700.32	1,634.66	65.66	25.894	
11,500.00	10,377.97	10,671.13	9,436.89	34.78	39.08	-56.38	-1,199.67	-1,294.27	1,699.44	1,630.93	68.51	24.807	
11,600.00	10,376.76	10,771.13	9,435.87	36.67	40.78	-56.37	-1,200.19	-1,394.26	1,698.56	1,627.11	71.45	23.773	
11,700.00	10,375.56	10,871.12	9,434.86	38.61	42.53	-56.35	-1,200.71	-1,494.25	1,697.68	1,623.20	74.48	22.794	
11,800.00	10,374.36	10,971.12	9,433.85	40.59	44.33	-56.34	-1,201.23	-1,594.24	1,696.79	1,619.21	77.59	21.870	
11,900.00	10,373.16	11,071.11	9,432.84	42.60	46.18	-56.33	-1,201.75	-1,694.23	1,695.91	1,615.15	80.76	20.999	
12,000.00	10,371.95	11,171.11	9,431.83	44.63	48.05	-56.32	-1,202.26	-1,794.22	1,695.03	1,611.03	84.00	20.179	
12,100.00	10,370.75	11,271.10	9,430.81	46.69	49.97	-56.31	-1,202.78	-1,894.20	1,694.15	1,606.86	87.29	19.409	
12,200.00	10,369.55	11,371.10	9,429.80	48.76	51.91	-56.29	-1,203.30	-1,994.19	1,693.27	1,602.65	90.62	18.685	
12,300.00	10,368.35	11,471.09	9,428.79	50.86	53.87	-56.28	-1,203.82	-2,094.18	1,692.39	1,598.39	94.00	18.004	
12,400.00	10,367.15	11,571.09	9,427.78	52.97	55.86	-56.27	-1,204.34	-2,194.17	1,691.51	1,594.09	97.42	17.363	
12,500.00	10,365.94	11,671.08	9,426.76	55.09	57.88	-56.26	-1,204.86	-2,294.16	1,690.63	1,589.76	100.87	16.761	
12,600.00	10,364.74	11,771.08	9,425.75	57.23	59.91	-56.24	-1,205.38	-2,394.15	1,689.75	1,585.40	104.35	16.194	
12,700.00	10,363.54	11,871.08	9,424.74	59.38	61.96	-56.23	-1,205.90	-2,494.14	1,688.87	1,581.02	107.85	15.659	
12,800.00	10,362.34	11,971.07	9,423.73	61.54	64.02	-56.22	-1,206.41	-2,594.13	1,687.99	1,576.60	111.38	15.155	
12,900.00	10,361.13	12,071.07	9,422.72	63.70	66.10	-56.21	-1,206.93	-2,694.12	1,687.11	1,572.17	114.93	14.679	
13,000.00	10,359.93	12,171.06	9,421.70	65.88	68.19	-56.20	-1,207.45	-2,794.11	1,686.22	1,567.72	118.50	14.229	
13,100.00	10,358.73	12,271.06	9,420.69	68.06	70.30	-56.18	-1,207.97	-2,894.09	1,685.34	1,563.25	122.09	13.804	
13,200.00	10,357.53	12,371.05	9,419.68	70.25	72.41	-56.17	-1,208.49	-2,994.08	1,684.46	1,558.76	125.70	13.401	
13,300.00	10,356.32	12,471.05	9,418.67	72.45	74.53	-56.16	-1,209.01	-3,094.07	1,683.58	1,554.26	129.32	13.019	
13,400.00	10,355.12	12,571.04	9,417.65	74.65	76.67	-56.15	-1,209.53	-3,194.06	1,682.70	1,549.75	132.96	12.656	
13,500.00	10,353.92	12,671.04	9,416.64	76.85	78.81	-56.13	-1,210.05	-3,294.05	1,681.82	1,545.22	136.60	12.312	
13,600.00	10,352.72	12,771.04	9,415.63	79.06	80.96	-56.12	-1,210.57	-3,394.04	1,680.94	1,540.68	140.26	11.984	

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 701H
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:	701H	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)			
13,700.00	10,351.51	12,871.03	9,414.62	81.28	83.12	-56.11	-1,211.08	-3,494.03	1,680.06	1,536.13	143.93	11.673	
13,800.00	10,350.31	12,971.03	9,413.61	83.49	85.28	-56.10	-1,211.60	-3,594.02	1,679.18	1,531.57	147.61	11.376	
13,900.00	10,349.11	13,071.02	9,412.59	85.72	87.45	-56.08	-1,212.12	-3,694.01	1,678.31	1,527.01	151.30	11.093	
14,000.00	10,347.91	13,171.02	9,411.58	87.94	89.63	-56.07	-1,212.64	-3,794.00	1,677.43	1,522.43	154.99	10.822	
14,100.00	10,346.71	13,271.01	9,410.57	90.17	91.81	-56.06	-1,213.16	-3,893.98	1,676.55	1,517.85	158.70	10.564	
14,200.00	10,345.50	13,371.01	9,409.56	92.40	94.00	-56.05	-1,213.68	-3,993.97	1,675.67	1,513.26	162.41	10.318	
14,300.00	10,344.30	13,471.00	9,408.54	94.63	96.19	-56.03	-1,214.20	-4,093.96	1,674.79	1,508.66	166.12	10.082	
14,400.00	10,343.10	13,571.00	9,407.53	96.87	98.38	-56.02	-1,214.72	-4,193.95	1,673.91	1,504.06	169.85	9.855	
14,500.00	10,341.90	13,670.99	9,406.52	99.11	100.58	-56.01	-1,215.23	-4,293.94	1,673.03	1,499.45	173.57	9.639	
14,600.00	10,340.69	13,770.99	9,405.51	101.35	102.78	-56.00	-1,215.75	-4,393.93	1,672.15	1,494.84	177.31	9.431	
14,700.00	10,339.49	13,870.99	9,404.50	103.59	104.99	-55.99	-1,216.27	-4,493.92	1,671.27	1,490.23	181.05	9.231	
14,800.00	10,338.29	13,970.98	9,403.48	105.84	107.20	-55.97	-1,216.79	-4,593.91	1,670.39	1,485.60	184.79	9.040	
14,900.00	10,337.09	14,070.98	9,402.47	108.08	109.41	-55.96	-1,217.31	-4,693.90	1,669.51	1,480.98	188.53	8.855	
15,000.00	10,335.88	14,170.97	9,401.46	110.33	111.63	-55.95	-1,217.83	-4,793.89	1,668.63	1,476.35	192.28	8.678	
15,100.00	10,334.68	14,270.97	9,400.45	112.58	113.85	-55.94	-1,218.35	-4,893.87	1,667.76	1,471.72	196.04	8.507	
15,200.00	10,333.48	14,370.96	9,399.43	114.83	116.07	-55.92	-1,218.87	-4,993.86	1,666.88	1,467.08	199.79	8.343	
15,300.00	10,332.28	14,470.96	9,398.42	117.08	118.29	-55.91	-1,219.38	-5,093.85	1,666.00	1,462.45	203.55	8.185	
15,400.00	10,331.07	14,570.95	9,397.41	119.34	120.52	-55.90	-1,219.90	-5,193.84	1,665.12	1,457.81	207.31	8.032	
15,500.00	10,329.87	14,670.95	9,396.40	121.59	122.75	-55.88	-1,220.42	-5,293.83	1,664.24	1,453.16	211.08	7.884	
15,600.00	10,328.67	14,770.94	9,395.39	123.85	124.98	-55.87	-1,220.94	-5,393.82	1,663.36	1,448.52	214.84	7.742	
15,700.00	10,327.47	14,870.94	9,394.37	126.10	127.21	-55.86	-1,221.46	-5,493.81	1,662.48	1,443.87	218.61	7.605	
15,794.62	10,326.33	14,965.56	9,393.41	127.48	129.33	-55.85	-1,221.95	-5,588.42	1,661.65	1,440.11	221.54	7.500	

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 701H
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:	701H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 502H - OH / 67810 - Surveys (H&P 653)													Offset Site Error: 0.00 usft
Survey Program: 220-MWD+HRGM													Offset Well Error: 1.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	1.50	0.00	1.00	1.00	83.66	11.00	99.00	99.61				
100.00	100.00	101.46	99.96	1.09	1.22	83.47	11.32	98.98	99.63	97.32	2.31	43.209	
200.00	200.00	201.42	199.92	1.60	1.72	82.93	12.27	98.93	99.69	96.38	3.31	30.107	
300.00	300.00	301.27	299.76	2.01	2.21	82.01	13.88	98.87	99.84	95.67	4.17	23.916	
400.00	400.00	400.55	399.01	2.35	2.56	80.88	15.91	99.15	100.43	95.60	4.82	20.822	
500.00	500.00	501.37	499.82	2.65	2.95	80.27	17.07	99.58	101.04	95.61	5.43	18.624	
600.00	600.00	599.86	598.30	2.93	3.48	79.62	18.38	100.34	102.02	95.95	6.07	16.802	
700.00	700.00	700.10	698.49	3.18	4.23	78.16	21.25	101.37	103.58	96.67	6.91	14.987	
800.00	800.00	800.41	798.73	3.41	4.89	76.14	25.14	101.90	104.96	97.28	7.69	13.656	
900.00	900.00	901.10	899.32	3.64	5.15	73.87	29.40	101.68	105.84	97.71	8.13	13.011	
1,000.00	1,000.00	1,000.92	999.10	3.85	5.43	72.36	32.28	101.50	106.52	97.96	8.56	12.443	
1,100.00	1,100.00	1,101.32	1,099.49	4.05	5.67	71.64	33.81	101.91	107.37	98.12	9.25	11.603	
1,200.00	1,200.00	1,202.61	1,200.77	4.24	6.03	71.93	33.27	101.95	107.25	96.98	10.27	10.447	
1,300.00	1,300.00	1,303.06	1,301.19	4.43	7.13	73.04	30.97	101.56	106.19	94.71	11.47	9.254	
1,400.00	1,400.00	1,403.00	1,401.11	4.61	8.41	74.17	28.67	101.10	105.10	92.31	12.78	8.222	
1,500.00	1,500.00	1,502.91	1,500.99	4.78	8.94	75.29	26.43	100.67	104.09	90.65	13.44	7.747	
1,600.00	1,600.00	1,602.78	1,600.83	4.95	9.18	76.59	23.93	100.39	103.21	89.33	13.88	7.435	
1,700.00	1,700.00	1,702.87	1,700.88	5.12	9.42	78.04	21.22	100.16	102.39	88.07	14.32	7.151	
1,800.00	1,800.00	1,802.99	1,800.97	5.28	9.65	79.53	18.45	99.79	101.48	86.74	14.75	6.881	
1,900.00	1,900.00	1,903.20	1,901.13	5.44	9.88	81.10	15.54	99.23	100.45	85.29	15.16	6.625	
2,000.00	2,000.00	2,003.36	2,001.24	5.59	10.10	82.80	12.43	98.46	99.25	83.68	15.57	6.374	
2,100.00	2,100.00	2,103.26	2,101.08	5.75	10.31	84.62	9.19	97.63	98.07	82.10	15.97	6.142	
2,200.00	2,200.00	2,203.14	2,200.90	5.89	10.53	86.54	5.86	96.86	97.04	80.68	16.36	5.932	
2,300.00	2,300.00	2,302.96	2,300.67	6.04	10.74	88.41	2.66	96.19	96.23	79.49	16.74	5.749	
2,400.00	2,400.00	2,402.86	2,400.53	6.19	10.95	90.19	-0.32	95.63	95.63	78.52	17.11	5.590	
2,500.00	2,500.00	2,502.88	2,500.50	6.33	11.15	91.93	-3.21	95.04	95.09	77.62	17.47	5.444	
2,600.00	2,600.00	2,602.64	2,600.21	6.47	11.35	93.67	-6.06	94.45	94.64	76.83	17.82	5.312	
2,637.07	2,637.07	2,639.50	2,637.07	6.52	11.43	94.32	-7.12	94.33	94.60	76.66	17.94	5.273 CC	
2,700.00	2,700.00	2,702.10	2,699.64	6.61	11.55	95.42	-8.95	94.30	94.72	76.57	18.15	5.218 ES	
2,800.00	2,800.00	2,802.05	2,799.54	6.74	11.74	97.13	-11.83	94.53	95.27	76.78	18.49	5.154	
2,900.00	2,900.00	2,902.36	2,899.82	6.88	11.94	98.62	-14.32	94.52	95.60	76.79	18.81	5.082	
3,000.00	3,000.00	3,002.36	2,999.80	7.01	12.12	99.87	-16.41	94.33	95.75	76.62	19.13	5.005	
3,100.00	3,100.00	3,102.24	3,099.66	7.14	12.31	100.96	-18.26	94.28	96.03	76.59	19.44	4.939	
3,200.00	3,200.00	3,201.67	3,199.07	7.27	12.49	102.02	-20.13	94.53	96.65	76.90	19.75	4.893	
3,300.00	3,300.00	3,301.00	3,298.37	7.40	12.67	103.30	-22.54	95.32	97.96	77.90	20.06	4.884	
3,400.00	3,400.00	3,400.55	3,397.87	7.52	12.86	104.72	-25.36	96.56	99.86	79.49	20.37	4.902	
3,500.00	3,500.00	3,500.23	3,497.49	7.65	13.04	106.18	-28.48	98.14	102.22	81.54	20.68	4.943	
3,600.00	3,600.00	3,601.42	3,598.63	7.77	13.22	107.62	-31.51	99.21	104.11	83.12	20.99	4.960	
3,700.00	3,700.00	3,702.45	3,699.62	7.90	13.40	108.97	-34.10	99.17	104.87	83.58	21.29	4.926	
3,800.00	3,800.00	3,802.84	3,799.99	8.02	13.57	110.32	-36.48	98.52	105.05	83.47	21.58	4.868	
3,900.00	3,900.00	3,903.32	3,900.43	8.14	13.73	111.68	-38.75	97.45	104.88	83.01	21.87	4.796	
4,000.00	4,000.00	4,003.92	4,001.01	8.26	13.89	112.94	-40.60	95.94	104.19	82.05	22.14	4.707	
4,076.37	4,076.36	4,080.43	4,077.50	8.44	14.01	114.33	-41.71	94.52	103.73	81.38	22.35	4.641	
4,100.00	4,099.98	4,103.93	4,100.98	8.49	14.04	114.98	-42.07	94.09	103.79	81.37	22.42	4.630 SF	
4,150.00	4,149.93	4,153.59	4,150.63	8.57	14.12	116.66	-42.91	93.23	104.33	81.80	22.53	4.630	
4,200.00	4,199.86	4,203.21	4,200.24	8.62	14.20	118.58	-43.86	92.44	105.29	82.64	22.64	4.650	
4,300.00	4,299.73	4,303.08	4,300.07	8.75	14.36	122.38	-45.95	90.93	107.71	84.81	22.91	4.702	
4,400.00	4,399.59	4,403.32	4,400.28	8.90	14.54	126.02	-47.82	89.09	110.18	86.98	23.20	4.750	
4,500.00	4,499.45	4,502.37	4,499.30	9.06	14.74	129.41	-49.56	87.27	113.02	89.53	23.49	4.812	
4,600.00	4,599.31	4,601.05	4,597.95	9.24	14.96	132.42	-51.61	86.35	117.10	93.31	23.80	4.921	
4,700.00	4,699.18	4,701.37	4,698.24	9.42	15.20	135.20	-53.78	85.73	121.78	97.64	24.14	5.046	
4,800.00	4,799.04	4,801.93	4,798.78	9.61	15.46	137.91	-55.67	84.43	126.06	101.57	24.49	5.147	

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 701H
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:	701H	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
4,900.00	4,898.90	4,901.76	4,898.59	9.81	15.72	140.44	-57.30	82.89	130.25	105.39	24.86	5.240	
5,000.00	4,998.77	5,001.51	4,998.31	10.01	15.98	142.70	-58.73	81.49	134.61	109.37	25.23	5.334	
5,100.00	5,098.63	5,100.47	5,097.26	10.23	16.22	144.64	-60.18	80.62	139.49	113.86	25.63	5.442	
5,200.00	5,198.49	5,199.70	5,196.48	10.45	16.46	146.25	-61.81	80.46	145.06	119.02	26.04	5.570	
5,300.00	5,298.36	5,299.77	5,296.53	10.67	16.72	147.74	-63.44	80.33	150.75	124.26	26.49	5.690	
5,400.00	5,398.22	5,399.81	5,396.56	10.91	16.98	149.20	-65.01	79.94	156.34	129.39	26.95	5.801	
5,500.00	5,498.08	5,499.80	5,496.54	11.15	17.24	150.62	-66.54	79.29	161.88	134.46	27.41	5.905	
5,600.00	5,597.94	5,598.67	5,595.39	11.39	17.49	151.98	-68.15	78.56	167.55	139.66	27.89	6.007	
5,700.00	5,697.81	5,696.41	5,693.10	11.64	17.74	153.12	-70.46	78.59	174.31	145.93	28.37	6.144	
5,800.00	5,797.67	5,795.37	5,792.01	11.90	17.99	154.06	-73.45	79.38	182.05	153.16	28.88	6.303	
5,900.00	5,897.53	5,895.24	5,891.84	12.15	18.25	154.89	-76.39	80.31	189.82	160.40	29.42	6.453	
6,000.00	5,997.40	5,995.19	5,991.74	12.42	18.51	155.68	-79.25	81.10	197.51	167.55	29.95	6.594	
6,100.00	6,097.26	6,095.14	6,091.65	12.68	18.78	156.61	-82.26	81.20	205.09	174.58	30.50	6.724	
6,200.00	6,197.12	6,195.13	6,191.59	12.95	19.07	157.61	-85.35	80.75	212.57	181.52	31.06	6.845	
6,300.00	6,296.99	6,295.14	6,291.55	13.23	19.36	158.59	-88.35	80.06	219.96	188.34	31.62	6.957	
6,400.00	6,396.85	6,394.61	6,390.98	13.51	19.64	159.51	-91.30	79.38	227.37	195.19	32.19	7.064	
6,500.00	6,496.71	6,494.14	6,490.46	13.79	19.93	160.30	-94.25	78.94	234.92	202.17	32.75	7.173	
6,600.00	6,596.57	6,594.27	6,590.54	14.07	20.22	161.11	-97.22	78.26	242.43	209.11	33.32	7.276	
6,700.00	6,696.44	6,694.29	6,690.51	14.35	20.51	162.00	-100.18	76.99	249.80	215.91	33.90	7.369	
6,800.00	6,796.30	6,793.97	6,790.15	14.64	20.80	162.83	-103.08	75.72	257.17	222.70	34.47	7.460	
6,900.00	6,896.16	6,893.54	6,889.66	14.93	21.09	163.56	-105.90	74.67	264.59	229.54	35.05	7.549	
7,000.00	6,996.03	6,992.83	6,988.91	15.23	21.38	164.23	-108.79	73.74	272.15	236.52	35.63	7.638	
7,100.00	7,095.89	7,092.10	7,088.13	15.52	21.67	164.85	-111.78	72.93	279.88	243.66	36.22	7.727	
7,200.00	7,195.75	7,191.35	7,187.33	15.82	21.96	165.38	-114.84	72.43	287.78	250.97	36.81	7.817	
7,300.00	7,295.61	7,290.79	7,286.73	16.12	22.25	165.83	-117.96	72.19	295.82	258.42	37.41	7.908	
7,400.00	7,395.48	7,390.38	7,386.26	16.42	22.54	166.27	-121.12	71.91	303.92	265.91	38.01	7.996	
7,500.00	7,495.34	7,490.44	7,486.27	16.72	22.83	166.70	-124.29	71.53	311.99	273.38	38.61	8.080	
7,600.00	7,595.20	7,590.74	7,586.52	17.02	23.13	167.14	-127.32	70.97	319.89	280.67	39.22	8.156	
7,700.00	7,695.07	7,690.98	7,686.72	17.33	23.42	167.58	-130.17	70.27	327.63	287.80	39.83	8.227	
7,800.00	7,794.93	7,791.24	7,786.94	17.63	23.71	167.99	-132.86	69.55	335.20	294.77	40.43	8.291	
7,870.00	7,864.83	7,862.55	7,858.23	17.84	23.90	168.25	-134.53	69.14	340.31	299.47	40.83	8.334	
7,900.00	7,894.80	7,893.17	7,888.85	17.92	23.98	168.34	-135.12	69.04	342.24	301.24	41.00	8.348	
8,000.00	7,994.77	7,995.65	7,991.32	18.23	24.22	168.49	-136.58	69.06	346.03	304.49	41.54	8.330	
8,020.00	8,014.76	8,016.47	8,012.13	18.25	24.23	168.49	-136.76	69.09	346.28	304.70	41.57	8.329	
8,100.00	8,094.76	8,099.74	8,095.40	18.30	24.27	168.50	-137.01	69.07	346.51	304.84	41.66	8.317	
8,200.00	8,194.76	8,201.94	8,197.60	18.37	24.30	168.53	-136.36	68.76	345.82	304.06	41.76	8.281	
8,300.00	8,294.76	8,300.40	8,296.06	18.44	24.26	168.50	-135.75	68.81	345.23	303.42	41.81	8.257	
8,400.00	8,394.76	8,399.78	8,395.44	18.51	24.25	168.42	-135.45	69.28	345.02	303.15	41.87	8.241	
8,500.00	8,494.77	8,500.36	8,496.01	18.58	24.26	168.45	-135.21	69.04	344.74	302.79	41.95	8.219	
8,569.41	8,564.18	8,568.52	8,564.18	18.62	24.30	168.56	-135.12	68.36	344.51	302.46	42.05	8.193	
8,600.00	8,594.77	8,597.36	8,593.01	18.64	24.35	168.61	-135.25	68.05	344.59	302.46	42.12	8.180	
8,700.00	8,694.77	8,691.59	8,687.22	18.71	24.52	168.81	-136.73	67.11	345.93	303.56	42.37	8.165	
8,800.00	8,794.77	8,789.10	8,784.68	18.78	24.76	169.05	-139.63	66.23	348.67	305.97	42.69	8.167	
8,900.00	8,894.77	8,888.99	8,884.52	18.85	25.05	169.29	-142.76	65.30	351.57	308.49	43.08	8.161	
9,000.00	8,994.77	8,988.67	8,984.15	18.92	25.34	169.55	-145.93	64.29	354.52	311.07	43.44	8.161	
9,100.00	9,094.77	9,088.26	9,083.67	18.99	25.64	169.84	-149.24	63.07	357.56	313.76	43.80	8.164	
9,200.00	9,194.77	9,186.73	9,182.08	19.06	25.93	170.10	-152.71	61.98	360.84	316.68	44.16	8.171	
9,300.00	9,294.77	9,284.94	9,280.22	19.13	26.22	170.25	-156.50	61.68	364.60	320.08	44.52	8.190	
9,400.00	9,394.77	9,391.84	9,387.06	19.20	26.55	170.33	-159.90	61.78	367.75	322.84	44.91	8.189	
9,500.00	9,494.77	9,498.03	9,493.24	19.27	26.88	170.37	-161.07	61.68	368.81	323.53	45.28	8.145	
9,600.00	9,594.77	9,595.71	9,590.92	19.34	27.15	170.38	-161.78	61.75	369.54	323.93	45.61	8.102	
9,700.00	9,694.77	9,693.61	9,688.81	19.42	27.40	170.35	-163.05	62.17	370.89	324.96	45.93	8.075	

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 701H
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:	701H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
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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				Rule Assigned:				Offset Well Error:		1.00 usft		
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
9,800.00	9,794.77	9,792.20	9,787.38	19.49	27.63	170.29	-164.73	62.85	372.68	326.43	46.25	8.059		
9,900.00	9,894.77	9,892.05	9,887.21	19.56	27.85	170.21	-166.71	63.73	374.79	328.24	46.55	8.052		
9,915.74	9,910.50	9,908.14	9,903.29	19.56	27.88	170.20	-167.01	63.85	375.10	328.52	46.59	8.052		
9,925.00	9,919.76	9,917.61	9,912.76	19.56	27.90	-102.20	-167.19	63.91	375.30	328.69	46.61	8.052		
9,950.00	9,944.74	9,943.13	9,938.28	19.57	27.95	-102.30	-167.63	64.06	375.99	329.33	46.66	8.058		
9,975.00	9,969.61	9,967.51	9,962.66	19.58	28.00	-102.55	-168.04	64.16	376.95	330.25	46.70	8.072		
10,000.00	9,994.33	9,991.43	9,986.57	19.59	28.06	-102.92	-168.50	64.24	378.28	331.55	46.73	8.095		
10,025.00	10,018.81	10,015.12	10,010.26	19.60	28.12	-103.41	-169.01	64.29	380.00	333.26	46.74	8.130		
10,050.00	10,043.00	10,038.53	10,033.66	19.61	28.18	-104.02	-169.57	64.32	382.14	335.41	46.74	8.176		
10,075.00	10,066.83	10,061.60	10,056.72	19.62	28.24	-104.71	-170.17	64.32	384.77	338.05	46.71	8.237		
10,100.00	10,090.23	10,084.27	10,079.38	19.64	28.29	-105.46	-170.81	64.30	387.92	341.25	46.67	8.312		
10,125.00	10,113.13	10,106.47	10,101.57	19.66	28.35	-106.27	-171.48	64.25	391.66	345.05	46.61	8.403		
10,150.00	10,135.48	10,128.15	10,123.24	19.68	28.40	-107.10	-172.19	64.19	396.05	349.53	46.52	8.513		
10,175.00	10,157.21	10,150.02	10,145.10	19.71	28.46	-107.98	-172.93	64.11	401.13	354.71	46.42	8.641		
10,200.00	10,178.27	10,171.64	10,166.70	19.74	28.52	-108.87	-173.62	64.05	406.92	360.62	46.30	8.788		
10,225.00	10,198.59	10,192.48	10,187.54	19.78	28.58	-109.73	-174.26	64.01	413.48	367.32	46.16	8.957		
10,250.00	10,218.12	10,212.49	10,207.54	19.82	28.63	-110.51	-174.83	63.99	420.88	374.88	46.00	9.149		
10,275.00	10,236.81	10,231.61	10,226.65	19.87	28.68	-111.20	-175.35	63.98	429.16	383.34	45.82	9.366		
10,300.00	10,254.61	10,249.79	10,244.82	19.92	28.73	-111.76	-175.82	64.00	438.37	392.75	45.62	9.609		
10,325.00	10,271.46	10,266.98	10,262.01	19.99	28.78	-112.16	-176.23	64.02	448.54	403.13	45.41	9.878		
10,350.00	10,287.32	10,283.13	10,278.15	20.06	28.82	-112.39	-176.60	64.06	459.69	414.51	45.18	10.174		
10,375.00	10,302.15	10,298.19	10,293.21	20.14	28.87	-112.42	-176.92	64.10	471.83	426.87	44.95	10.496		
10,400.00	10,315.91	10,312.13	10,307.15	20.24	28.90	-112.21	-177.20	64.15	484.94	440.22	44.72	10.845		
10,425.00	10,328.55	10,324.93	10,319.94	20.34	28.94	-111.75	-177.45	64.21	499.02	454.54	44.48	11.219		
10,450.00	10,340.05	10,336.60	10,331.62	20.46	28.96	-111.01	-177.66	64.26	514.02	469.78	44.24	11.618		
10,475.00	10,350.37	10,347.07	10,342.08	20.59	28.99	-109.96	-177.84	64.30	529.91	485.90	44.01	12.041		
10,500.00	10,359.49	10,356.31	10,351.32	20.73	29.01	-108.56	-178.00	64.34	546.64	502.86	43.78	12.486		
10,525.00	10,367.37	10,364.28	10,359.29	20.89	29.03	-106.80	-178.13	64.37	564.14	520.58	43.56	12.951		
10,550.00	10,374.01	10,370.97	10,365.98	21.06	29.04	-104.63	-178.24	64.40	582.36	539.02	43.34	13.436		
10,575.00	10,379.37	10,376.36	10,371.36	21.25	29.06	-102.02	-178.32	64.42	601.22	558.08	43.14	13.938		
10,600.00	10,383.45	10,380.43	10,375.43	21.45	29.06	-98.97	-178.39	64.44	620.65	577.71	42.94	14.455		
10,625.00	10,386.23	10,383.16	10,378.17	21.66	29.07	-95.45	-178.43	64.45	640.56	597.82	42.74	14.986		
10,650.00	10,387.71	10,384.56	10,379.57	21.88	29.07	-91.47	-178.45	64.46	660.89	618.33	42.56	15.529		
10,671.49	10,387.93	10,384.69	10,379.70	22.09	29.07	-87.72	-178.45	64.46	678.63	636.22	42.40	16.004		
10,700.00	10,387.59	10,384.21	10,379.21	22.37	29.07	-87.69	-178.44	64.46	702.40	660.19	42.21	16.640		
10,800.00	10,386.38	10,382.54	10,377.54	23.53	29.07	-87.61	-178.42	64.45	787.17	745.51	41.65	18.898		
10,833.04	10,385.99	10,381.99	10,377.00	23.94	29.07	-87.59	-178.41	64.45	815.56	774.06	41.49	19.655		
10,900.00	10,385.18	10,380.91	10,375.91	24.81	29.07	-87.44	-178.39	64.44	873.91	832.69	41.22	21.202		
11,000.00	10,383.98	10,379.28	10,374.28	26.24	29.06	-87.21	-178.37	64.44	963.13	922.23	40.91	23.545		
11,100.00	10,382.78	10,377.65	10,372.66	27.78	29.06	-86.99	-178.34	64.43	1,054.30	1,013.62	40.68	25.917		
11,200.00	10,381.57	12,406.20	11,434.15	29.42	39.62	-157.42	-219.06	-1,057.82	1,141.30	1,089.17	52.13	21.895		
11,300.00	10,380.37	12,489.00	11,432.50	31.14	40.80	-157.65	-214.94	-1,140.50	1,138.18	1,085.13	53.05	21.455		
11,400.00	10,379.17	12,568.55	11,431.74	32.93	42.00	-157.83	-212.39	-1,220.00	1,136.73	1,082.70	54.04	21.036		
11,416.86	10,378.97	12,583.00	11,431.74	33.24	42.21	-157.85	-212.19	-1,234.45	1,136.73	1,082.52	54.21	20.969		
11,500.00	10,377.97	12,644.39	11,432.12	34.78	43.20	-157.92	-212.10	-1,295.84	1,137.61	1,082.54	55.07	20.656		
11,600.00	10,376.76	12,734.49	11,433.41	36.67	44.65	-157.94	-213.86	-1,385.91	1,140.21	1,083.98	56.23	20.278		
11,700.00	10,375.56	12,844.02	11,434.16	38.61	46.46	-157.88	-217.63	-1,495.37	1,142.72	1,085.16	57.56	19.852		
11,800.00	10,374.36	12,956.77	11,433.26	40.59	48.37	-157.75	-222.24	-1,608.02	1,144.09	1,085.08	59.01	19.388		
11,900.00	10,373.16	13,068.34	11,430.47	42.60	50.33	-157.50	-228.68	-1,719.36	1,144.54	1,083.95	60.59	18.889		
12,000.00	10,371.95	13,196.73	11,424.37	44.63	52.64	-157.14	-236.37	-1,847.38	1,142.99	1,080.57	62.42	18.311		
12,100.00	10,370.75	13,298.06	11,419.18	46.69	54.52	-156.99	-239.48	-1,948.53	1,140.00	1,075.95	64.06	17.797		
12,200.00	10,369.55	13,374.82	11,416.70	48.76	55.97	-156.97	-240.27	-2,025.23	1,138.04	1,072.51	65.53	17.367		

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 701H
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:	701H	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			Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Distance	Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning			
12,225.45	10,369.24	13,392.18	11,416.48	49.30	56.30	-156.98	-240.39	-2,042.59	1,137.95	1,072.06	65.89	17.271				
12,300.00	10,368.35	13,454.73	11,416.62	50.86	57.50	-157.02	-240.70	-2,105.14	1,138.59	1,071.60	67.00	16.994				
12,400.00	10,367.15	13,559.60	11,416.34	52.97	59.52	-157.08	-241.51	-2,210.00	1,139.18	1,070.52	68.66	16.592				
12,500.00	10,365.94	13,664.13	11,415.84	55.09	61.56	-157.08	-243.26	-2,314.52	1,139.95	1,069.58	70.37	16.200				
12,600.00	10,364.74	13,780.60	11,413.80	57.23	63.87	-157.08	-244.70	-2,430.97	1,139.35	1,067.14	72.21	15.778				
12,700.00	10,363.54	13,872.27	11,412.49	59.38	65.71	-157.16	-244.11	-2,522.62	1,138.33	1,064.52	73.82	15.421				
12,800.00	10,362.34	13,976.76	11,411.23	61.54	67.82	-157.22	-244.30	-2,627.10	1,137.85	1,062.29	75.56	15.059				
12,852.92	10,361.70	14,019.71	11,410.47	62.68	68.69	-157.22	-244.82	-2,670.04	1,137.54	1,061.12	76.43	14.884				
12,900.00	10,361.13	14,054.64	11,410.13	63.70	69.40	-157.21	-245.62	-2,704.96	1,137.80	1,060.61	77.19	14.741				
13,000.00	10,359.93	14,158.76	11,409.55	65.88	71.53	-157.13	-249.13	-2,809.02	1,139.15	1,060.01	79.14	14.395				
13,100.00	10,358.73	14,237.77	11,409.09	68.06	73.16	-157.07	-251.78	-2,887.99	1,140.53	1,059.67	80.87	14.104				
13,200.00	10,357.53	14,322.30	11,410.52	70.25	74.90	-157.04	-254.80	-2,972.45	1,143.98	1,061.35	82.63	13.845				
13,300.00	10,356.32	14,425.96	11,412.28	72.45	77.05	-156.94	-259.61	-3,075.97	1,147.90	1,063.22	84.68	13.555				
13,400.00	10,355.12	14,539.33	11,412.51	74.65	79.41	-156.75	-266.22	-3,189.16	1,150.92	1,063.92	87.00	13.229				
13,500.00	10,353.92	14,680.79	11,408.84	76.85	82.38	-156.43	-274.42	-3,330.31	1,151.30	1,061.50	89.80	12.820				
13,600.00	10,352.72	14,787.31	11,405.03	79.06	84.63	-156.32	-277.31	-3,436.72	1,149.62	1,057.61	92.01	12.495				
13,700.00	10,351.51	14,873.94	11,402.49	81.28	86.48	-156.27	-279.00	-3,523.30	1,148.27	1,054.29	93.97	12.219				
13,730.86	10,351.14	14,898.17	11,402.03	81.96	86.99	-156.25	-279.55	-3,547.52	1,148.18	1,053.62	94.55	12.143				
13,800.00	10,350.31	14,966.74	11,401.09	83.49	88.45	-156.21	-281.37	-3,616.06	1,148.40	1,052.38	96.02	11.961				
13,900.00	10,349.11	15,091.28	11,397.60	85.72	91.11	-156.10	-284.86	-3,740.50	1,147.51	1,049.03	98.47	11.653				
14,000.00	10,347.91	15,205.00	11,392.18	87.94	93.56	-156.05	-285.80	-3,854.08	1,143.88	1,043.15	100.73	11.356				
14,100.00	10,346.71	15,279.18	11,389.36	90.17	95.15	-156.06	-285.66	-3,928.20	1,141.07	1,038.47	102.60	11.122				
14,130.52	10,346.34	15,298.00	11,389.19	90.85	95.56	-156.08	-285.58	-3,947.02	1,140.91	1,037.82	103.10	11.066				
14,200.00	10,345.50	15,351.62	11,389.29	92.40	96.72	-156.13	-285.58	-4,000.64	1,141.39	1,037.08	104.31	10.942				
14,300.00	10,344.30	15,441.55	11,390.46	94.63	98.66	-156.19	-286.60	-4,090.55	1,143.52	1,037.32	106.20	10.768				
14,400.00	10,343.10	15,543.62	11,391.39	96.87	100.87	-156.21	-288.61	-4,192.60	1,145.66	1,037.38	108.29	10.580				
14,500.00	10,341.90	15,656.35	11,391.43	99.11	103.32	-156.17	-291.82	-4,305.28	1,147.38	1,036.76	110.62	10.372				
14,600.00	10,340.69	15,721.67	11,391.76	101.35	104.74	-156.16	-293.46	-4,370.57	1,149.54	1,037.19	112.35	10.232				
14,700.00	10,339.49	15,788.08	11,395.07	103.59	106.18	-156.22	-294.93	-4,436.89	1,155.33	1,041.45	113.88	10.145				
14,800.00	10,338.29	15,926.40	11,400.93	105.84	109.20	-156.33	-297.64	-4,575.02	1,160.50	1,044.11	116.39	9.971				
14,900.00	10,337.09	16,095.15	11,399.43	108.08	112.90	-156.45	-297.74	-4,743.73	1,159.62	1,040.54	119.08	9.738				
15,000.00	10,335.88	16,206.04	11,395.44	110.33	115.33	-156.49	-297.37	-4,854.55	1,156.70	1,035.48	121.22	9.542				
15,100.00	10,334.68	16,319.98	11,389.55	112.58	117.84	-156.42	-298.51	-4,968.33	1,152.89	1,029.28	123.61	9.327				
15,200.00	10,333.48	16,416.79	11,383.64	114.83	119.96	-156.32	-300.08	-5,064.95	1,148.47	1,022.50	125.97	9.117				
15,300.00	10,332.28	16,516.00	11,377.28	117.08	122.14	-156.18	-302.32	-5,163.93	1,144.02	1,015.57	128.45	8.906				
15,400.00	10,331.07	16,593.34	11,372.96	119.34	123.84	-156.06	-304.52	-5,241.11	1,140.64	1,009.90	130.73	8.725				
15,500.00	10,329.87	16,678.83	11,369.71	121.59	125.73	-155.92	-307.81	-5,326.47	1,139.22	1,006.08	133.13	8.557				
15,600.00	10,328.67	16,789.37	11,365.13	123.85	128.17	-155.66	-313.59	-5,436.77	1,138.11	1,002.02	136.09	8.363				
15,690.23	10,327.59	16,859.00	11,361.74	125.88	129.70	-155.49	-317.20	-5,506.22	1,136.68	998.36	138.32	8.218				
15,700.00	10,327.47	16,859.00	11,361.74	126.10	129.70	-155.49	-317.20	-5,506.22	1,136.72	998.29	138.42	8.212				
15,794.62	10,326.33	16,859.00	11,361.74	127.48	129.70	-155.49	-317.20	-5,506.22	1,141.46	1,002.68	138.78	8.225				

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 701H
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:	701H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 504H - OH / 67811 - Surveys (H&P 653)													Offset Site Error:	0.00 usft
Survey Program:		312-MWD+HRGM							Rule Assigned:				Offset Well Error:	1.00 usft
Reference		Offset		Semi Major Axis		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	12.50	1.00	1.00	173.84	-973.00	105.00	978.73					
100.00	100.00	85.90	98.40	1.09	1.28	173.84	-973.08	104.95	978.72	976.36	2.36	414.367		
200.00	200.00	184.07	196.57	1.60	1.98	173.86	-973.35	104.79	978.98	975.41	3.57	274.031		
300.00	300.00	282.24	294.73	2.01	2.80	173.88	-973.82	104.50	979.42	974.62	4.80	203.922		
400.00	400.00	387.00	399.49	2.35	3.47	173.91	-974.28	104.01	979.82	974.00	5.81	168.527		
500.00	500.00	494.63	507.12	2.65	4.08	173.95	-974.01	103.15	979.48	972.77	6.71	145.951		
600.00	600.00	605.80	618.27	2.93	4.35	174.01	-972.63	101.98	978.13	970.90	7.24	135.170		
700.00	700.00	708.24	720.69	3.18	4.74	174.06	-970.69	100.93	976.14	968.27	7.87	123.985		
800.00	800.00	810.61	823.03	3.41	5.12	174.10	-968.47	100.06	973.89	965.42	8.47	114.986		
900.00	900.00	912.85	925.24	3.64	5.41	174.11	-965.96	99.66	971.41	962.43	8.99	108.098		
1,000.00	1,000.00	1,007.06	1,019.43	3.85	5.73	174.12	-963.83	99.23	969.11	959.60	9.51	101.894		
1,100.00	1,100.00	1,101.83	1,114.18	4.05	6.06	174.17	-962.30	98.18	967.40	957.36	10.04	96.402		
1,200.00	1,200.00	1,199.22	1,211.56	4.24	6.46	174.25	-961.13	96.86	966.07	955.47	10.60	91.162		
1,300.00	1,300.00	1,297.75	1,310.07	4.43	6.85	174.32	-960.20	95.49	964.99	953.84	11.15	86.517		
1,400.00	1,400.00	1,399.81	1,412.11	4.61	7.26	174.39	-959.16	94.16	963.84	952.14	11.71	82.334		
1,500.00	1,500.00	1,500.19	1,512.48	4.78	7.64	174.46	-957.93	92.97	962.51	950.28	12.24	78.643		
1,600.00	1,600.00	1,598.07	1,610.34	4.95	8.01	174.52	-956.88	91.76	961.33	948.58	12.74	75.431		
1,700.00	1,700.00	1,694.82	1,707.08	5.12	8.35	174.60	-956.10	90.46	960.39	947.18	13.21	72.683		
1,800.00	1,800.00	1,790.38	1,802.63	5.28	8.67	174.69	-955.77	88.76	959.89	946.24	13.64	70.348		
1,855.64	1,855.64	1,843.18	1,855.42	5.37	8.83	174.76	-955.80	87.63	959.81	945.93	13.87	69.188 CC		
1,900.00	1,900.00	1,883.95	1,896.17	5.44	8.92	174.81	-955.96	86.83	959.90	945.88	14.02	68.478		
2,000.00	2,000.00	1,975.86	1,988.08	5.59	9.14	174.89	-956.83	85.58	960.72	946.38	14.34	66.990		
2,100.00	2,100.00	2,069.89	2,082.09	5.75	9.34	174.93	-958.40	84.95	962.33	947.66	14.67	65.604		
2,200.00	2,200.00	2,166.02	2,178.20	5.89	9.55	174.99	-960.46	84.19	964.39	949.39	15.00	64.289		
2,300.00	2,300.00	2,265.27	2,277.41	6.04	9.78	175.06	-962.91	83.17	966.76	951.42	15.34	63.016		
2,400.00	2,400.00	2,366.95	2,379.05	6.19	10.02	175.14	-965.30	82.05	969.01	953.32	15.69	61.764		
2,500.00	2,500.00	2,468.52	2,480.59	6.33	10.25	175.22	-967.51	80.94	971.09	955.05	16.04	60.548		
2,600.00	2,600.00	2,570.05	2,582.10	6.47	10.50	175.28	-969.55	80.01	973.01	956.62	16.39	59.372		
2,700.00	2,700.00	2,670.72	2,682.75	6.61	10.73	175.34	-971.42	79.25	974.80	958.07	16.73	58.260		
2,800.00	2,800.00	2,771.34	2,783.35	6.74	10.97	175.38	-973.23	78.66	976.55	959.46	17.08	57.168		
2,900.00	2,900.00	2,875.13	2,887.13	6.88	11.22	175.44	-974.87	77.81	978.06	960.63	17.43	56.117		
3,000.00	3,000.00	2,977.64	2,989.62	7.01	11.47	175.52	-976.15	76.41	979.19	961.43	17.77	55.118		
3,100.00	3,100.00	3,075.61	3,087.58	7.14	11.68	175.59	-977.37	75.45	980.36	962.27	18.08	54.212		
3,200.00	3,200.00	3,172.68	3,184.64	7.27	11.88	175.60	-978.73	75.30	981.74	963.34	18.40	53.359		
3,300.00	3,300.00	3,267.73	3,279.67	7.40	12.02	175.56	-980.39	76.16	983.56	964.85	18.71	52.569		
3,400.00	3,400.00	3,360.38	3,372.28	7.52	12.16	175.46	-982.43	78.03	985.92	966.90	19.02	51.841		
3,500.00	3,500.00	3,448.28	3,460.09	7.65	12.28	175.32	-985.24	80.59	989.34	970.02	19.32	51.203		
3,600.00	3,600.00	3,540.88	3,552.54	7.77	12.41	175.14	-989.24	84.03	993.94	974.30	19.63	50.621		
3,700.00	3,700.00	3,652.15	3,663.64	7.90	12.57	174.92	-993.56	88.37	998.14	978.15	20.00	49.916		
3,800.00	3,800.00	3,770.30	3,781.67	8.02	12.71	174.68	-996.56	92.78	1,001.04	980.70	20.34	49.208		
3,900.00	3,900.00	3,894.68	3,905.98	8.14	12.83	174.46	-996.96	96.77	1,001.66	980.99	20.67	48.459		
4,000.00	4,000.00	3,996.65	4,007.91	8.26	12.93	174.30	-995.99	99.50	1,000.98	980.04	20.95	47.786		
4,024.34	4,024.34	4,021.54	4,032.79	8.32	12.96	174.26	-995.73	100.09	1,000.89	979.85	21.04	47.570		
4,100.00	4,099.98	4,099.96	4,111.18	8.49	13.04	174.17	-994.81	101.78	1,001.81	980.48	21.33	46.975		
4,150.00	4,149.93	4,153.83	4,165.05	8.57	13.09	174.12	-994.01	102.71	1,003.32	981.84	21.48	46.718		
4,200.00	4,199.86	4,207.71	4,218.91	8.62	13.14	174.09	-993.01	103.42	1,005.07	983.48	21.59	46.548		
4,300.00	4,299.73	4,316.38	4,327.55	8.75	13.27	174.06	-990.41	104.28	1,007.98	986.11	21.87	46.097		
4,400.00	4,399.59	4,426.16	4,437.26	8.90	13.41	174.03	-986.74	105.10	1,009.94	987.77	22.17	45.558		
4,500.00	4,499.45	4,528.32	4,539.33	9.06	13.54	173.99	-982.62	105.86	1,011.21	988.73	22.48	44.987		
4,600.00	4,599.31	4,627.76	4,638.69	9.24	13.68	173.97	-978.65	106.38	1,012.50	989.70	22.80	44.416		
4,700.00	4,699.18	4,726.09	4,736.95	9.42	13.82	173.96	-974.85	106.61	1,013.89	990.76	23.13	43.827		
4,800.00	4,799.04	4,824.26	4,835.06	9.61	13.98	173.98	-971.27	106.49	1,015.46	991.98	23.48	43.250		

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 701H
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:	701H	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		Reference		Offset		Semi Maior Axis		Offset Wellbore Centre		Rule Assigned:		Distance	Warning	Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
4,900.00	4,898.90	4,929.54	4,940.26	9.81	14.15	174.00	-967.27	106.30	1,016.87	993.02	23.85	42.633					
5,000.00	4,998.77	5,033.34	5,043.95	10.01	14.33	174.00	-962.76	106.37	1,017.76	993.52	24.23	41.997					
5,100.00	5,098.63	5,130.68	5,141.21	10.23	14.49	173.99	-958.52	106.58	1,018.65	994.03	24.62	41.367					
5,200.00	5,198.49	5,227.21	5,237.65	10.45	14.67	173.98	-954.57	106.88	1,019.82	994.80	25.02	40.754					
5,300.00	5,298.36	5,321.59	5,331.97	10.67	14.84	173.98	-951.16	107.08	1,021.46	996.03	25.43	40.166					
5,400.00	5,398.22	5,422.00	5,432.34	10.91	15.02	173.99	-948.03	107.14	1,023.57	997.71	25.85	39.589					
5,500.00	5,498.08	5,537.58	5,547.81	11.15	15.24	173.97	-943.22	107.58	1,024.68	998.37	26.31	38.944					
5,600.00	5,597.94	5,639.23	5,649.32	11.39	15.44	173.93	-937.88	108.33	1,024.73	997.97	26.76	38.292					
5,700.00	5,697.81	5,734.22	5,744.19	11.64	15.63	173.89	-933.25	109.04	1,025.17	997.96	27.21	37.678					
5,800.00	5,797.67	5,828.75	5,838.63	11.90	15.82	173.87	-929.13	109.64	1,026.11	998.44	27.66	37.095					
5,900.00	5,897.53	5,923.07	5,932.88	12.15	16.02	173.86	-925.58	109.89	1,027.59	999.48	28.12	36.544					
6,000.00	5,997.40	6,027.35	6,037.09	12.42	16.23	173.86	-921.86	110.11	1,029.29	1,000.69	28.60	35.987					
6,100.00	6,097.26	6,135.61	6,145.25	12.68	16.46	173.80	-917.10	111.26	1,030.24	1,001.14	29.10	35.409					
6,200.00	6,197.12	6,232.08	6,241.60	12.95	16.66	173.73	-912.60	112.62	1,030.95	1,001.37	29.58	34.856					
6,300.00	6,296.99	6,328.46	6,337.88	13.23	16.87	173.67	-908.46	113.76	1,032.01	1,001.95	30.06	34.329					
6,400.00	6,396.85	6,426.04	6,435.38	13.51	17.07	173.59	-904.52	115.27	1,033.37	1,002.82	30.55	33.829					
6,500.00	6,496.71	6,524.63	6,533.86	13.79	17.28	173.47	-900.67	117.60	1,034.96	1,003.92	31.04	33.347					
6,600.00	6,596.57	6,629.63	6,638.76	14.07	17.51	173.38	-896.41	119.46	1,036.33	1,004.78	31.54	32.853					
6,700.00	6,696.44	6,732.86	6,741.88	14.35	17.74	173.36	-891.90	119.91	1,037.24	1,005.18	32.06	32.352					
6,800.00	6,796.30	6,832.83	6,841.75	14.64	17.98	173.36	-887.49	119.95	1,038.06	1,005.48	32.59	31.853					
6,900.00	6,896.16	6,932.14	6,940.97	14.93	18.22	173.38	-883.14	119.83	1,038.90	1,005.78	33.12	31.368					
7,000.00	6,996.03	7,030.76	7,039.50	15.23	18.46	173.41	-878.98	119.39	1,039.85	1,006.20	33.65	30.898					
7,100.00	7,095.89	7,127.32	7,135.99	15.52	18.70	173.45	-875.11	118.76	1,041.00	1,006.81	34.19	30.451					
7,200.00	7,195.75	7,222.42	7,231.02	15.82	18.93	173.47	-871.68	118.46	1,042.58	1,007.87	34.71	30.033					
7,300.00	7,295.61	7,328.62	7,337.16	16.12	19.20	173.49	-867.95	118.42	1,044.31	1,009.03	35.28	29.602					
7,400.00	7,395.48	7,441.80	7,450.22	16.42	19.48	173.51	-862.73	118.18	1,044.90	1,009.04	35.86	29.136					
7,423.52	7,418.97	7,464.92	7,473.30	16.49	19.54	173.51	-861.52	118.11	1,044.89	1,008.89	35.99	29.030					
7,500.00	7,495.34	7,537.31	7,545.60	16.72	19.73	173.52	-857.89	117.91	1,045.04	1,008.62	36.41	28.698					
7,600.00	7,595.20	7,633.00	7,641.19	17.02	19.98	173.53	-853.53	117.76	1,045.68	1,008.72	36.97	28.286					
7,700.00	7,695.07	7,726.31	7,734.43	17.33	20.22	173.55	-849.77	117.54	1,046.86	1,009.34	37.51	27.907					
7,800.00	7,794.93	7,821.00	7,829.06	17.63	20.47	173.59	-846.50	117.09	1,048.57	1,010.51	38.06	27.549					
7,870.00	7,864.83	7,886.92	7,894.95	17.84	20.63	173.62	-844.53	116.61	1,050.08	1,011.65	38.43	27.327					
7,900.00	7,894.80	7,915.33	7,923.34	17.92	20.70	173.64	-843.76	116.36	1,050.65	1,012.07	38.58	27.235					
8,000.00	7,994.77	8,010.11	8,018.10	18.23	20.93	173.70	-841.53	115.28	1,050.61	1,011.50	39.11	26.861					
8,020.00	8,014.76	8,030.96	8,038.93	18.25	20.98	173.71	-841.09	115.02	1,050.23	1,011.04	39.19	26.800					
8,100.00	8,094.76	8,114.30	8,122.25	18.30	21.18	173.75	-839.13	114.01	1,048.26	1,008.82	39.44	26.580					
8,200.00	8,194.76	8,219.04	8,226.95	18.37	21.44	173.80	-836.27	112.92	1,045.43	1,005.66	39.76	26.291					
8,300.00	8,294.76	8,325.81	8,333.65	18.44	21.71	173.79	-832.65	112.60	1,042.02	1,001.92	40.11	25.981					
8,400.00	8,394.76	8,428.36	8,436.11	18.51	21.97	173.74	-828.50	113.12	1,038.06	997.61	40.44	25.668					
8,500.00	8,494.77	8,525.92	8,533.60	18.58	22.23	173.72	-824.71	113.05	1,034.19	993.42	40.77	25.367					
8,600.00	8,594.77	8,627.12	8,634.73	18.64	22.50	173.74	-821.00	112.27	1,030.45	989.34	41.11	25.066					
8,700.00	8,694.77	8,731.42	8,738.94	18.71	22.79	173.76	-816.79	111.52	1,026.36	984.90	41.46	24.752					
8,800.00	8,794.77	8,833.57	8,840.99	18.78	23.07	173.76	-812.29	110.88	1,021.92	980.10	41.82	24.436					
8,900.00	8,894.77	8,934.99	8,942.31	18.85	23.36	173.77	-807.68	110.20	1,017.32	975.15	42.18	24.121					
9,000.00	8,994.77	9,029.79	9,037.01	18.92	23.62	173.79	-803.50	109.49	1,012.86	970.35	42.51	23.826					
9,100.00	9,094.77	9,123.82	9,130.96	18.99	23.88	173.81	-799.92	108.64	1,008.99	966.14	42.84	23.552					
9,200.00	9,194.77	9,227.14	9,234.21	19.06	24.16	173.87	-796.23	107.20	1,005.28	962.09	43.19	23.275					
9,300.00	9,294.77	9,321.00	9,327.97	19.13	24.42	173.98	-792.57	105.01	1,001.19	957.67	43.51	23.009					
9,400.00	9,394.77	9,411.17	9,418.06	19.20	24.62	174.11	-789.83	102.34	997.91	954.12	43.78	22.792					
9,500.00	9,494.77	9,508.00	9,514.83	19.27	24.85	174.29	-788.92	99.15	996.61	952.54	44.07	22.613					
9,566.16	9,560.92	9,554.12	9,560.92	19.32	24.92	174.38	-789.04	97.54	996.37	952.19	44.17	22.556					
9,600.00	9,594.77	9,586.63	9,593.41	19.34	24.97	174.45	-789.17	96.40	996.39	952.15	44.24	22.521					

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 701H
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:	701H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 504H - OH / 67811 - Surveys (H&P 653)													Offset Site Error:	0.00 usft
Survey Program:		312-MWD+HRGM					Rule Assigned:				Offset Well Error:	1.00 usft		
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance				Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
9,700.00	9,694.77	9,682.69	9,689.41	19.42	25.13	174.65	-789.83	92.94	996.73	952.28	44.45	22.423		
9,800.00	9,794.77	9,781.02	9,787.68	19.49	25.20	174.84	-790.76	89.65	997.37	952.79	44.58	22.373		
9,900.00	9,894.77	9,879.74	9,886.36	19.56	25.27	174.99	-791.76	87.09	998.14	953.45	44.69	22.332		
9,915.74	9,910.50	9,894.02	9,900.63	19.56	25.27	175.01	-791.91	86.78	998.28	953.58	44.70	22.333		
9,925.00	9,919.76	9,902.23	9,908.85	19.56	25.27	-97.37	-792.02	86.60	998.39	953.69	44.70	22.335		
9,950.00	9,944.74	9,924.39	9,930.99	19.57	25.28	-97.34	-792.33	86.11	998.85	954.14	44.71	22.343		
9,975.00	9,969.61	9,946.49	9,953.08	19.58	25.28	-97.35	-792.71	85.61	999.54	954.83	44.71	22.355		
10,000.00	9,994.33	9,968.46	9,975.05	19.59	25.28	-97.40	-793.15	85.10	1,000.48	955.76	44.72	22.370		
10,025.00	10,018.81	9,990.26	9,996.84	19.60	25.28	-97.47	-793.65	84.60	1,001.67	956.93	44.74	22.390		
10,050.00	10,043.00	10,011.82	10,018.38	19.61	25.28	-97.58	-794.21	84.09	1,003.12	958.37	44.75	22.415		
10,075.00	10,066.83	10,033.08	10,039.63	19.62	25.29	-97.70	-794.81	83.57	1,004.85	960.08	44.77	22.444		
10,100.00	10,090.23	10,053.99	10,060.52	19.64	25.29	-97.85	-795.47	83.07	1,006.88	962.08	44.79	22.478		
10,125.00	10,113.13	10,074.98	10,081.49	19.66	25.29	-98.01	-796.18	82.55	1,009.22	964.40	44.82	22.518		
10,150.00	10,135.48	10,097.86	10,104.35	19.68	25.29	-98.24	-796.97	81.97	1,011.85	967.00	44.84	22.565		
10,175.00	10,157.21	10,120.16	10,126.63	19.71	25.28	-98.48	-797.74	81.40	1,014.77	969.90	44.87	22.616		
10,200.00	10,178.27	10,141.82	10,148.27	19.74	25.28	-98.71	-798.48	80.83	1,018.03	973.13	44.90	22.672		
10,225.00	10,198.59	10,162.77	10,169.20	19.78	25.27	-98.93	-799.19	80.27	1,021.65	976.71	44.94	22.734		
10,250.00	10,218.12	10,182.97	10,189.38	19.82	25.27	-99.13	-799.88	79.72	1,025.65	980.67	44.98	22.803		
10,275.00	10,236.81	10,202.35	10,208.74	19.87	25.27	-99.29	-800.53	79.19	1,030.08	985.05	45.02	22.878		
10,300.00	10,254.61	10,220.86	10,227.24	19.92	25.26	-99.40	-801.15	78.67	1,034.95	989.88	45.07	22.961		
10,325.00	10,271.46	10,238.46	10,244.82	19.99	25.26	-99.45	-801.73	78.17	1,040.30	995.17	45.13	23.052		
10,350.00	10,287.32	10,255.10	10,261.44	20.06	25.26	-99.43	-802.29	77.69	1,046.15	1,000.97	45.19	23.151		
10,375.00	10,302.15	10,270.91	10,277.23	20.14	25.26	-99.34	-802.81	77.22	1,052.53	1,007.28	45.25	23.259		
10,400.00	10,315.91	10,285.76	10,292.07	20.24	25.26	-99.16	-803.30	76.75	1,059.45	1,014.12	45.32	23.375		
10,425.00	10,328.55	10,299.58	10,305.87	20.34	25.26	-98.88	-803.76	76.28	1,066.91	1,021.52	45.40	23.501		
10,450.00	10,340.05	10,312.31	10,318.59	20.46	25.26	-98.49	-804.19	75.82	1,074.95	1,029.47	45.48	23.637		
10,475.00	10,350.37	10,323.92	10,330.19	20.59	25.26	-97.98	-804.58	75.38	1,083.54	1,037.98	45.56	23.783		
10,500.00	10,359.49	10,334.37	10,340.62	20.73	25.26	-97.34	-804.93	74.97	1,092.70	1,047.06	45.64	23.940		
10,525.00	10,367.37	10,343.62	10,349.86	20.89	25.26	-96.57	-805.24	74.59	1,102.43	1,056.70	45.73	24.107		
10,550.00	10,374.01	10,351.63	10,357.85	21.06	25.26	-95.65	-805.51	74.26	1,112.70	1,066.88	45.82	24.286		
10,575.00	10,379.37	10,358.36	10,364.58	21.25	25.26	-94.59	-805.74	73.97	1,123.50	1,077.60	45.90	24.475		
10,600.00	10,383.45	10,363.79	10,370.00	21.45	25.26	-93.37	-805.93	73.73	1,134.81	1,088.83	45.99	24.676		
10,625.00	10,386.23	10,367.89	10,374.09	21.66	25.26	-91.99	-806.07	73.55	1,146.61	1,100.54	46.07	24.888		
10,650.00	10,387.71	10,370.63	10,376.83	21.88	25.26	-90.46	-806.16	73.42	1,158.85	1,112.70	46.15	25.111		
10,671.49	10,387.93	10,371.88	10,378.08	22.09	25.26	-89.03	-806.20	73.37	1,169.70	1,123.49	46.21	25.311		
10,700.00	10,387.59	11,255.47	11,009.17	22.37	29.88	-122.00	-771.73	-437.53	1,175.99	1,124.41	51.57	22.802		
10,800.00	10,386.38	11,357.44	11,027.80	23.53	30.29	-122.84	-766.92	-537.66	1,183.76	1,130.38	53.38	22.177		
10,833.04	10,385.99	11,381.92	11,032.16	23.94	30.42	-123.04	-765.97	-561.73	1,185.90	1,131.93	53.97	21.975		
10,900.00	10,385.18	11,532.03	11,044.50	24.81	31.53	-123.69	-765.14	-711.10	1,188.75	1,132.94	55.82	21.297		
11,000.00	10,383.98	11,637.87	11,045.53	26.24	32.63	-123.85	-764.18	-816.92	1,188.00	1,129.88	58.12	20.440		
11,100.00	10,382.78	11,758.55	11,045.53	27.78	34.15	-124.02	-762.00	-937.58	1,185.94	1,125.22	60.72	19.531		
11,200.00	10,381.57	11,860.79	11,045.33	29.42	35.59	-124.17	-759.40	-1,039.79	1,183.20	1,119.87	63.32	18.685		
11,300.00	10,380.37	11,980.95	11,043.93	31.14	37.43	-124.31	-755.85	-1,159.89	1,179.61	1,113.39	66.22	17.814		
11,400.00	10,379.17	12,059.06	11,042.32	32.93	38.70	-124.39	-753.18	-1,237.94	1,175.28	1,106.44	68.84	17.074		
11,500.00	10,377.97	12,126.57	11,042.02	34.78	39.86	-124.44	-753.03	-1,305.44	1,174.18	1,102.78	71.39	16.446		
11,600.00	10,376.76	12,230.68	11,040.64	36.67	41.68	-124.45	-753.98	-1,409.53	1,173.65	1,099.18	74.46	15.761		
11,624.31	10,376.47	12,250.52	11,040.35	37.14	42.03	-124.45	-754.26	-1,429.37	1,173.60	1,098.45	75.15	15.616		
11,700.00	10,375.56	12,319.72	11,039.73	38.61	43.26	-124.45	-755.56	-1,498.55	1,173.99	1,096.59	77.39	15.169		
11,800.00	10,374.36	12,437.57	11,038.52	40.59	45.41	-124.47	-756.80	-1,616.39	1,173.75	1,092.98	80.77	14.533		
11,900.00	10,373.16	12,536.17	11,037.42	42.60	47.26	-124.52	-756.73	-1,714.98	1,172.55	1,088.62	83.93	13.970		
12,000.00	10,371.95	12,639.29	11,036.84	44.63	49.22	-124.58	-756.92	-1,818.10	1,171.88	1,084.67	87.20	13.438		
12,100.00	10,370.75	12,735.70	11,035.75	46.69	51.09	-124.62	-756.87	-1,914.51	1,170.69	1,080.26	90.43	12.946		

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 701H
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:	701H	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)	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
12,200.00	10,369.55	12,830.37	11,034.29	48.76	52.95	-124.62	-757.88	-2,009.16	1,170.18	1,076.49	93.69	12.489	
12,243.11	10,369.03	12,869.36	11,033.68	49.67	53.72	-124.62	-758.42	-2,048.14	1,170.07	1,074.99	95.08	12.306	
12,300.00	10,368.35	12,914.22	11,033.09	50.86	54.62	-124.61	-759.39	-2,092.99	1,170.36	1,073.54	96.82	12.088	
12,400.00	10,367.15	12,996.52	11,032.38	52.97	56.27	-124.57	-762.25	-2,175.23	1,172.21	1,072.27	99.94	11.729	
12,500.00	10,365.94	13,082.92	11,032.14	55.09	58.01	-124.53	-766.25	-2,261.54	1,175.36	1,072.20	103.15	11.394	
12,600.00	10,364.74	13,172.57	11,032.55	57.23	59.83	-124.49	-771.09	-2,351.05	1,179.53	1,073.10	106.43	11.082	
12,700.00	10,363.54	13,301.53	11,033.18	59.38	62.48	-124.44	-777.86	-2,479.84	1,183.85	1,073.31	110.54	10.710	
12,800.00	10,362.34	13,436.27	11,031.96	61.54	65.30	-124.44	-780.38	-2,614.54	1,184.31	1,069.61	114.71	10.325	
12,900.00	10,361.13	13,573.04	11,028.57	63.70	68.18	-124.47	-778.92	-2,751.25	1,181.36	1,062.53	118.84	9.941	
13,000.00	10,359.93	13,667.96	11,025.16	65.88	70.18	-124.46	-777.31	-2,846.10	1,177.43	1,055.08	122.35	9.624	
13,100.00	10,358.73	13,753.96	11,022.09	68.06	72.01	-124.42	-776.88	-2,932.04	1,174.49	1,048.73	125.76	9.339	
13,200.00	10,357.53	13,845.76	11,019.13	70.25	73.96	-124.37	-777.46	-3,023.79	1,172.65	1,043.37	129.28	9.071	
13,300.00	10,356.32	13,945.48	11,015.80	72.45	76.08	-124.29	-778.45	-3,123.45	1,171.07	1,038.09	132.98	8.807	
13,400.00	10,355.12	14,053.23	11,011.90	74.65	78.40	-124.21	-779.41	-3,231.12	1,169.25	1,032.40	136.85	8.544	
13,500.00	10,353.92	14,151.66	11,010.57	76.85	80.52	-124.27	-778.16	-3,329.53	1,166.93	1,026.51	140.42	8.310	
13,600.00	10,352.72	14,240.54	11,011.27	79.06	82.45	-124.43	-776.40	-3,418.38	1,165.22	1,021.50	143.72	8.107	
13,700.00	10,351.51	14,358.24	11,010.95	81.28	85.00	-124.56	-775.05	-3,536.07	1,163.66	1,016.10	147.56	7.886	
13,800.00	10,350.31	14,453.00	11,008.05	83.49	87.06	-124.55	-774.38	-3,630.79	1,160.84	1,009.67	151.17	7.679	
13,900.00	10,349.11	14,547.00	11,005.02	85.72	89.11	-124.49	-774.87	-3,724.73	1,158.93	1,004.11	154.83	7.485	
14,000.00	10,347.91	14,629.39	11,002.86	87.94	90.90	-124.44	-776.34	-3,807.08	1,158.33	1,000.06	158.27	7.319	
14,023.57	10,347.62	14,650.59	11,002.35	88.47	91.37	-124.42	-776.80	-3,828.27	1,158.30	999.19	159.11	7.280	
14,100.00	10,346.71	14,717.97	11,000.70	90.17	92.84	-124.36	-778.67	-3,895.61	1,158.60	996.76	161.84	7.159	
14,200.00	10,345.50	14,831.75	10,997.94	92.40	95.33	-124.27	-781.77	-4,009.31	1,158.99	993.02	165.97	6.983	
14,300.00	10,344.30	14,937.88	10,996.60	94.63	97.66	-124.29	-782.25	-4,115.43	1,158.13	988.34	169.79	6.821	
14,363.19	10,343.54	14,990.26	10,996.64	96.05	98.82	-124.34	-782.27	-4,167.80	1,157.83	985.96	171.87	6.737	
14,400.00	10,343.10	15,021.79	10,996.85	96.87	99.51	-124.37	-782.42	-4,199.33	1,157.93	984.84	173.09	6.690	
14,500.00	10,341.90	15,116.89	10,997.74	99.11	101.61	-124.47	-783.16	-4,294.43	1,158.58	982.01	176.58	6.561	
14,600.00	10,340.69	15,208.50	10,998.73	101.35	103.63	-124.56	-784.41	-4,386.02	1,159.81	979.81	180.00	6.444	
14,700.00	10,339.49	15,295.00	11,000.06	103.59	105.54	-124.64	-786.36	-4,472.49	1,162.01	978.72	183.30	6.340	
14,800.00	10,338.29	15,388.14	11,001.74	105.84	107.60	-124.71	-789.27	-4,565.57	1,165.10	978.35	186.75	6.239	
14,900.00	10,337.09	15,521.93	11,002.16	108.08	110.56	-124.78	-791.68	-4,699.33	1,166.00	974.82	191.18	6.099	
15,000.00	10,335.88	15,624.80	11,001.80	110.33	112.85	-124.80	-793.60	-4,802.18	1,166.84	971.88	194.96	5.985	
15,100.00	10,334.68	15,761.74	10,997.47	112.58	115.89	-124.70	-795.17	-4,939.03	1,165.48	965.92	199.56	5.840	
15,200.00	10,333.48	15,856.00	10,993.39	114.83	117.98	-124.61	-795.73	-5,033.20	1,162.98	959.58	203.40	5.718	
15,300.00	10,332.28	15,945.05	10,989.70	117.08	119.96	-124.50	-796.93	-5,122.17	1,161.20	954.04	207.16	5.605	
15,400.00	10,331.07	16,047.69	10,986.89	119.34	122.25	-124.46	-797.48	-5,224.76	1,159.58	948.52	211.06	5.494	
15,500.00	10,329.87	16,147.18	10,985.35	121.59	124.47	-124.50	-797.09	-5,324.24	1,157.87	943.10	214.77	5.391	
15,600.00	10,328.67	16,249.78	10,982.92	123.85	126.76	-124.50	-797.08	-5,426.81	1,156.00	937.39	218.61	5.288	
15,700.00	10,327.47	16,343.00	10,979.72	126.10	128.84	-124.43	-797.74	-5,519.97	1,154.14	931.74	222.40	5.189	
15,715.55	10,327.28	16,343.00	10,979.72	126.33	128.84	-124.43	-797.74	-5,519.97	1,154.03	931.46	222.57	5.185 ES, SF	
15,794.62	10,326.33	16,343.00	10,979.72	127.48	128.84	-124.43	-797.74	-5,519.97	1,156.74	933.83	222.91	5.189	

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 701H
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:	701H	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: Reference		220-MWD+HRGM Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance				Offset Well Error: 1.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	6.54	0.04	1.00	1.00	58.36	61.00	99.00	116.28					
100.00	100.00	107.17	100.67	1.09	1.25	58.52	60.57	98.90	115.98	113.65	2.33	49.745		
200.00	200.00	207.78	201.27	1.60	1.76	58.95	59.38	98.64	115.14	111.78	3.35	34.328		
300.00	300.00	307.48	300.96	2.01	2.58	59.54	57.85	98.36	114.12	109.55	4.57	24.991		
400.00	400.00	407.06	400.53	2.35	3.48	60.06	56.63	98.32	113.47	107.67	5.79	19.584		
500.00	500.00	507.15	500.61	2.65	4.08	60.68	55.31	98.49	112.96	106.30	6.66	16.970		
600.00	600.00	607.10	600.55	2.93	4.66	61.56	53.54	98.83	112.40	104.93	7.48	15.037		
674.11	674.11	680.68	674.11	3.11	5.01	62.26	52.23	99.33	112.22	104.24	7.99	14.053		
700.00	700.00	706.38	699.81	3.18	5.13	62.51	51.82	99.57	112.24	104.08	8.16	13.752		
800.00	800.00	805.66	799.07	3.41	5.55	63.41	50.47	100.81	112.74	103.97	8.77	12.859		
900.00	900.00	904.93	898.33	3.64	5.80	63.80	50.28	102.17	113.89	104.66	9.22	12.347		
1,000.00	1,000.00	1,004.90	998.29	3.85	6.00	63.77	51.03	103.55	115.46	105.83	9.63	11.993		
1,100.00	1,100.00	1,105.16	1,098.54	4.05	6.25	64.00	51.20	104.99	116.82	106.75	10.07	11.599		
1,200.00	1,200.00	1,205.39	1,198.76	4.24	6.58	64.32	51.12	106.32	117.98	107.40	10.57	11.157		
1,300.00	1,300.00	1,305.65	1,299.01	4.43	6.94	64.73	50.77	107.54	118.92	107.84	11.09	10.727		
1,400.00	1,400.00	1,405.91	1,399.26	4.61	7.32	65.40	49.80	108.78	119.65	108.04	11.60	10.313		
1,500.00	1,500.00	1,505.94	1,499.26	4.78	7.70	66.32	48.28	110.11	120.24	108.13	12.10	9.933		
1,600.00	1,600.00	1,605.87	1,599.17	4.95	8.08	67.44	46.38	111.63	120.89	108.28	12.60	9.593		
1,700.00	1,700.00	1,705.53	1,698.81	5.12	8.34	68.35	44.89	113.13	121.71	108.71	13.01	9.358		
1,800.00	1,800.00	1,805.18	1,798.45	5.28	8.58	68.49	45.03	114.27	122.84	109.44	13.39	9.172		
1,900.00	1,900.00	1,905.16	1,898.41	5.44	8.84	68.24	46.00	115.26	124.11	110.25	13.85	8.960		
2,000.00	2,000.00	2,005.05	1,998.29	5.59	9.10	68.02	46.93	116.27	125.40	111.09	14.31	8.765		
2,100.00	2,100.00	2,104.32	2,097.56	5.75	9.38	67.92	47.76	117.70	127.04	112.29	14.75	8.610		
2,200.00	2,200.00	2,203.90	2,197.11	5.89	9.69	67.97	48.46	119.75	129.22	114.00	15.22	8.491		
2,300.00	2,300.00	2,304.53	2,297.71	6.04	10.09	67.50	50.21	121.20	131.20	115.47	15.74	8.338		
2,400.00	2,400.00	2,404.94	2,398.07	6.19	10.51	66.30	53.36	121.55	132.76	116.49	16.27	8.161		
2,500.00	2,500.00	2,505.04	2,498.12	6.33	10.93	65.03	56.64	121.63	134.19	117.35	16.84	7.969		
2,600.00	2,600.00	2,605.36	2,598.39	6.47	11.24	63.85	59.73	121.64	135.52	118.23	17.29	7.836		
2,700.00	2,700.00	2,705.91	2,698.90	6.61	11.41	62.65	62.72	121.25	136.52	118.89	17.63	7.743		
2,800.00	2,800.00	2,806.51	2,799.45	6.74	11.57	61.44	65.55	120.44	137.13	119.18	17.95	7.639		
2,900.00	2,900.00	2,907.13	2,900.04	6.88	11.72	60.30	68.03	119.28	137.32	119.06	18.26	7.519		
3,000.00	3,000.00	3,007.27	3,000.15	7.01	11.87	59.24	70.17	117.91	137.21	118.64	18.57	7.390		
3,100.00	3,100.00	3,107.27	3,100.11	7.14	12.02	58.29	72.08	116.64	137.11	118.25	18.86	7.269		
3,200.00	3,200.00	3,207.36	3,200.19	7.27	12.15	57.55	73.52	115.61	137.01	117.86	19.15	7.156		
3,300.00	3,300.00	3,307.48	3,300.31	7.40	12.30	57.20	74.13	115.01	136.83	117.39	19.43	7.040		
3,400.00	3,400.00	3,407.52	3,400.35	7.52	12.49	57.32	73.76	114.96	136.58	116.84	19.74	6.919		
3,500.00	3,500.00	3,507.42	3,500.23	7.65	12.70	57.95	72.34	115.55	136.33	116.25	20.08	6.791		
3,529.94	3,529.94	3,537.14	3,529.94	7.69	12.77	58.16	71.92	115.79	136.30	116.10	20.20	6.747		
3,600.00	3,600.00	3,606.67	3,599.48	7.77	12.95	58.48	71.34	116.30	136.44	115.93	20.51	6.654		
3,700.00	3,700.00	3,706.12	3,698.93	7.90	13.19	58.55	71.51	116.93	137.07	116.16	20.91	6.554		
3,800.00	3,800.00	3,806.03	3,798.82	8.02	13.36	58.21	72.64	117.20	137.89	116.68	21.21	6.500		
3,900.00	3,900.00	3,905.92	3,898.69	8.14	13.52	57.49	74.58	117.04	138.79	117.28	21.51	6.452		
4,000.00	4,000.00	4,005.81	3,998.55	8.26	13.69	56.57	76.99	116.65	139.77	117.96	21.81	6.409		
4,100.00	4,099.98	4,104.53	4,097.23	8.49	13.87	56.04	79.96	116.20	140.10	117.93	22.17	6.319		
4,150.00	4,149.93	4,153.36	4,146.02	8.57	13.96	56.05	82.06	116.20	140.08	117.74	22.34	6.270		
4,157.64	4,157.56	4,160.82	4,153.47	8.58	13.98	56.06	82.42	116.21	140.07	117.71	22.36	6.263		
4,200.00	4,199.86	4,202.20	4,194.78	8.62	14.06	56.09	84.62	116.36	140.22	117.72	22.50	6.233		
4,300.00	4,299.73	4,301.47	4,293.86	8.75	14.28	55.89	90.87	117.07	141.40	118.54	22.87	6.184		
4,400.00	4,399.59	4,401.78	4,393.97	8.90	14.53	55.69	97.15	117.71	142.51	119.24	23.27	6.125		
4,500.00	4,499.45	4,502.27	4,494.27	9.06	14.75	55.53	103.22	118.17	143.35	119.72	23.63	6.067		
4,600.00	4,599.31	4,602.82	4,594.65	9.24	14.97	55.39	109.02	118.37	143.81	119.83	23.98	5.998		
4,700.00	4,699.18	4,703.36	4,695.05	9.42	15.19	55.38	114.35	118.42	143.89	119.56	24.33	5.915		

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 701H
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:	701H	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												Rule Assigned:	
Offset												Distance	
Semi Major Axis												Between	
Reference												Centres	
Offset												Ellipses	
Highside												Minimum	
Toolface												Separation	
+N/-S												Factor	
+E/-W												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	4,799.04	4,803.91	4,795.49	9.61	15.41	55.63	118.94	118.52	143.59	118.92	24.67	5.820	
4,900.00	4,898.90	4,904.66	4,896.16	9.81	15.62	55.96	123.10	118.37	142.85	117.84	25.01	5.712	
5,000.00	4,998.77	5,005.34	4,996.76	10.01	15.83	56.24	127.08	117.69	141.58	116.24	25.34	5.587	
5,100.00	5,098.63	5,105.71	5,097.05	10.23	16.04	56.51	130.87	116.70	139.95	114.29	25.66	5.455	
5,200.00	5,198.49	5,206.12	5,197.39	10.45	16.24	56.81	134.47	115.51	138.04	112.08	25.97	5.316	
5,300.00	5,298.36	5,306.62	5,297.82	10.67	16.44	57.14	137.85	114.02	135.79	109.52	26.26	5.170	
5,400.00	5,398.22	5,406.68	5,397.82	10.91	16.64	57.48	141.02	112.29	133.22	106.66	26.56	5.016	
5,500.00	5,498.08	5,506.27	5,497.34	11.15	16.84	57.86	144.22	110.77	130.85	104.00	26.85	4.873	
5,600.00	5,597.94	5,605.63	5,596.65	11.39	17.05	58.27	147.57	109.56	128.82	101.67	27.15	4.745	
5,700.00	5,697.81	5,704.85	5,695.78	11.64	17.28	58.58	151.43	108.70	127.38	99.92	27.46	4.639	
5,800.00	5,797.67	5,804.47	5,795.32	11.90	17.47	58.86	155.62	108.22	126.44	98.71	27.72	4.561	
5,900.00	5,897.53	5,905.37	5,896.14	12.15	17.67	59.30	159.51	107.76	125.34	97.36	27.98	4.479	
6,000.00	5,997.40	6,006.61	5,997.30	12.42	17.88	59.60	163.18	106.29	123.27	95.02	28.25	4.363	
6,100.00	6,097.26	6,107.16	6,097.76	12.68	18.09	59.74	166.76	103.97	120.43	91.91	28.53	4.222	
6,200.00	6,197.12	6,207.62	6,198.11	12.95	18.31	59.68	170.46	101.07	117.16	88.34	28.82	4.066	
6,300.00	6,296.99	6,307.98	6,298.35	13.23	18.51	59.59	174.00	97.80	113.49	84.40	29.09	3.901	
6,400.00	6,396.85	6,408.03	6,398.29	13.51	18.72	59.63	177.14	94.37	109.47	80.11	29.36	3.728	
6,500.00	6,496.71	6,506.66	6,496.83	13.79	18.94	59.78	180.37	91.66	106.11	76.47	29.64	3.580	
6,600.00	6,596.57	6,605.54	6,595.63	14.07	19.17	60.07	184.03	90.06	103.94	74.03	29.91	3.475	
6,700.00	6,696.44	6,704.91	6,694.94	14.35	19.43	60.74	187.48	89.45	102.54	72.35	30.18	3.397	
6,800.00	6,796.30	6,804.51	6,794.50	14.64	19.69	61.91	190.48	89.72	101.71	71.30	30.41	3.344	
6,900.00	6,896.16	6,904.48	6,894.42	14.93	19.95	63.32	193.19	90.29	101.05	70.42	30.63	3.299	
7,000.00	6,996.03	7,004.47	6,994.38	15.23	20.21	64.91	195.65	90.97	100.45	69.63	30.82	3.260	
7,100.00	7,095.89	7,104.50	7,094.38	15.52	20.47	66.54	198.05	91.61	99.87	68.88	30.99	3.222	
7,200.00	7,195.75	7,204.65	7,194.51	15.82	20.73	68.23	200.36	92.18	99.26	68.11	31.15	3.187	
7,300.00	7,295.61	7,304.85	7,294.69	16.12	20.99	70.14	202.25	92.63	98.50	67.22	31.28	3.149	
7,400.00	7,395.48	7,404.85	7,394.67	16.42	21.24	72.21	203.86	92.99	97.67	66.29	31.38	3.112	
7,500.00	7,495.34	7,504.79	7,494.60	16.72	21.49	74.24	205.59	93.31	96.96	65.47	31.49	3.079	
7,600.00	7,595.20	7,604.84	7,594.63	17.02	21.74	76.32	207.27	93.57	96.31	64.73	31.58	3.050	
7,700.00	7,695.07	7,704.88	7,694.67	17.33	21.98	78.61	208.62	93.79	95.68	64.01	31.66	3.022	
7,800.00	7,794.93	7,804.98	7,794.76	17.63	22.22	81.02	209.79	93.88	95.05	63.31	31.74	2.995	
7,870.00	7,864.83	7,875.05	7,864.82	17.84	22.38	82.75	210.57	93.84	94.60	62.81	31.79	2.976	
7,900.00	7,894.80	7,905.12	7,894.89	17.92	22.45	83.40	210.89	93.79	94.42	62.61	31.81	2.968	
8,000.00	7,994.77	8,005.47	7,995.23	18.23	22.67	84.18	212.00	93.37	93.86	61.88	31.98	2.935	
8,020.00	8,014.76	8,025.54	8,015.30	18.25	22.71	84.07	212.23	93.24	93.75	61.73	32.02	2.928	
8,100.00	8,094.76	8,105.79	8,095.54	18.30	22.88	83.46	213.16	92.56	93.17	60.97	32.20	2.893	
8,200.00	8,194.76	8,206.02	8,195.75	18.37	23.08	82.62	214.39	91.45	92.22	59.77	32.45	2.842	
8,300.00	8,294.76	8,306.08	8,295.81	18.44	23.28	81.69	215.71	90.10	91.06	58.35	32.71	2.784	
8,400.00	8,394.76	8,405.95	8,395.66	18.51	23.49	80.66	217.15	88.80	90.00	57.01	32.98	2.729	
8,500.00	8,494.77	8,506.35	8,496.02	18.58	23.71	79.42	218.87	87.40	88.92	55.65	33.27	2.673	
8,600.00	8,594.77	8,607.09	8,596.70	18.64	23.94	77.45	221.46	84.99	87.09	53.47	33.62	2.590	
8,700.00	8,694.77	8,707.74	8,697.25	18.71	24.15	74.84	224.64	81.53	84.51	50.48	34.03	2.483	
8,800.00	8,794.77	8,808.36	8,797.73	18.78	24.37	72.16	227.41	77.26	81.22	46.72	34.50	2.354	
8,900.00	8,894.77	8,908.33	8,897.57	18.85	24.55	69.45	229.74	72.54	77.52	42.54	34.98	2.216	
9,000.00	8,994.77	9,008.20	8,997.31	18.92	24.74	66.78	231.70	67.96	74.00	38.54	35.46	2.087	
9,100.00	9,094.77	9,107.94	9,096.94	18.99	24.92	64.02	233.51	63.56	70.74	34.75	35.98	1.966	
9,200.00	9,194.77	9,207.70	9,196.59	19.06	25.11	60.99	235.44	59.33	67.87	31.31	36.56	1.856	
9,300.00	9,294.77	9,307.70	9,296.49	19.13	25.29	57.89	237.19	55.21	65.21	28.03	37.18	1.754	
9,400.00	9,394.77	9,407.65	9,396.34	19.20	25.47	54.88	238.53	51.17	62.58	24.79	37.78	1.656	
9,500.00	9,494.77	9,507.34	9,495.98	19.27	25.62	52.36	239.37	47.76	60.32	22.00	38.32	1.574	
9,600.00	9,594.77	9,606.72	9,595.32	19.34	25.79	50.63	239.73	45.33	58.63	19.89	38.74	1.513	
9,640.15	9,634.92	9,646.32	9,634.92	19.37	25.86	50.20	239.95	44.90	58.44	19.56	38.88	1.503 CC, ES, 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 701H
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:	701H	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 (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,700.00	9,694.77	9,705.34	9,693.94	19.42	25.97	49.84	240.50	44.98	58.86	19.82	39.04	1.508	
9,800.00	9,794.77	9,804.48	9,793.05	19.49	26.22	50.05	241.84	46.92	61.23	22.02	39.21	1.561	
9,900.00	9,894.77	9,904.32	9,892.84	19.56	26.53	51.16	242.75	49.92	64.13	24.82	39.31	1.631	
9,915.74	9,910.50	9,920.03	9,908.54	19.56	26.58	51.40	242.83	50.47	64.60	25.30	39.30	1.644	
9,925.00	9,919.76	9,929.28	9,917.78	19.56	26.61	139.18	242.86	50.80	64.95	25.67	39.29	1.653	
9,950.00	9,944.74	9,954.21	9,942.70	19.57	26.67	140.14	242.94	51.71	66.59	27.46	39.13	1.702	
9,975.00	9,969.61	9,979.24	9,967.71	19.58	26.67	141.68	242.96	52.60	69.22	30.35	38.87	1.781	
10,000.00	9,994.33	10,004.07	9,992.53	19.59	26.67	143.65	242.92	53.41	72.86	34.32	38.54	1.890	
10,025.00	10,018.81	10,028.66	10,017.11	19.60	26.67	145.90	242.82	54.15	77.57	39.39	38.18	2.032	
10,050.00	10,043.00	10,052.95	10,041.39	19.61	26.67	148.28	242.66	54.82	83.43	45.60	37.83	2.206	
10,075.00	10,066.83	10,076.87	10,065.30	19.62	26.66	150.67	242.45	55.41	90.46	52.96	37.50	2.412	
10,100.00	10,090.23	10,100.38	10,088.80	19.64	26.66	152.97	242.19	55.93	98.71	61.47	37.23	2.651	
10,125.00	10,113.13	10,123.40	10,111.82	19.66	26.67	155.11	241.89	56.38	108.17	71.15	37.02	2.922	
10,150.00	10,135.48	10,145.81	10,134.22	19.68	26.66	157.06	241.55	56.76	118.83	81.97	36.86	3.224	
10,175.00	10,157.21	10,167.51	10,155.92	19.71	26.65	158.76	241.22	57.09	130.71	93.96	36.76	3.556	
10,200.00	10,178.27	10,188.57	10,176.97	19.74	26.64	160.24	240.92	57.38	143.77	107.08	36.70	3.918	
10,225.00	10,198.59	10,208.91	10,197.31	19.78	26.62	161.50	240.65	57.62	157.96	121.29	36.67	4.308	
10,250.00	10,218.12	10,228.49	10,216.89	19.82	26.61	162.55	240.40	57.82	173.24	136.57	36.67	4.724	
10,275.00	10,236.81	10,247.26	10,235.66	19.87	26.60	163.42	240.18	57.99	189.55	152.86	36.69	5.166	
10,300.00	10,254.61	10,265.17	10,253.56	19.92	26.59	164.11	239.97	58.13	206.84	170.12	36.72	5.633	
10,325.00	10,271.46	10,282.16	10,270.55	19.99	26.58	164.64	239.79	58.23	225.07	188.30	36.76	6.122	
10,350.00	10,287.32	10,298.20	10,286.59	20.06	26.58	165.00	239.63	58.31	244.16	207.35	36.81	6.633	
10,375.00	10,302.15	10,313.23	10,301.61	20.14	26.57	165.20	239.48	58.36	264.08	227.22	36.86	7.164	
10,400.00	10,315.91	10,327.21	10,315.60	20.24	26.56	165.22	239.36	58.40	284.76	247.84	36.91	7.714	
10,425.00	10,328.55	10,340.11	10,328.50	20.34	26.55	165.06	239.24	58.42	306.14	269.18	36.96	8.284	
10,450.00	10,340.05	10,351.88	10,340.27	20.46	26.53	164.68	239.15	58.42	328.16	291.16	37.00	8.869	
10,475.00	10,350.37	10,362.49	10,350.87	20.59	26.52	164.03	239.06	58.42	350.77	313.72	37.04	9.469	
10,500.00	10,359.49	10,371.89	10,360.28	20.73	26.51	163.02	238.99	58.40	373.89	336.81	37.08	10.083	
10,525.00	10,367.37	10,380.06	10,368.45	20.89	26.50	161.50	238.93	58.39	397.47	360.35	37.12	10.708	
10,550.00	10,374.01	10,386.97	10,375.36	21.06	26.50	159.21	238.88	58.37	421.45	384.29	37.15	11.343	
10,575.00	10,379.37	10,392.40	10,380.79	21.25	26.49	155.58	238.84	58.36	445.75	408.56	37.19	11.987	
10,600.00	10,383.45	10,396.55	10,384.93	21.45	26.49	149.55	238.81	58.34	470.31	433.09	37.21	12.638	
10,625.00	10,386.23	10,399.39	10,387.78	21.66	26.49	138.44	238.79	58.34	495.06	457.82	37.24	13.294	
10,650.00	10,387.71	10,400.94	10,389.32	21.88	26.48	115.82	238.78	58.33	519.94	482.68	37.26	13.954	
10,671.49	10,387.93	10,401.22	10,389.60	22.09	26.48	82.87	238.77	58.33	541.36	504.09	37.27	14.524	
10,700.00	10,387.59	10,400.95	10,389.33	22.37	26.48	81.23	238.78	58.33	569.81	532.52	37.29	15.281	
10,800.00	10,386.38	11,564.11	11,046.38	23.53	30.82	177.12	258.50	-622.72	660.94	606.53	54.41	12.148	
10,833.04	10,385.99	11,600.15	11,045.58	23.94	31.21	176.91	260.37	-658.71	660.70	606.23	54.47	12.129	
10,900.00	10,385.18	11,668.96	11,043.63	24.81	31.98	176.50	264.09	-727.39	659.87	605.24	54.63	12.078	
10,972.59	10,384.31	11,734.44	11,042.19	25.85	32.78	176.14	267.20	-792.77	659.43	604.53	54.90	12.012	
11,000.00	10,383.98	11,759.71	11,041.82	26.24	33.10	176.02	268.24	-818.02	659.46	604.46	55.00	11.990	
11,100.00	10,382.78	11,854.78	11,041.08	27.78	34.38	175.62	271.47	-913.03	660.23	604.84	55.39	11.920	
11,200.00	10,381.57	11,953.69	11,040.53	29.42	35.84	175.37	272.98	-1,011.93	661.11	605.29	55.82	11.844	
11,300.00	10,380.37	12,046.16	11,041.45	31.14	37.31	175.50	270.38	-1,104.34	663.17	606.81	56.37	11.766	
11,400.00	10,379.17	12,156.62	11,042.10	32.93	39.11	175.84	264.97	-1,214.67	664.69	607.78	56.91	11.679	
11,500.00	10,377.97	12,263.57	11,041.32	34.78	40.89	176.22	259.02	-1,321.45	664.87	607.36	57.52	11.560	
11,600.00	10,376.76	12,366.44	11,039.80	36.67	42.69	176.56	253.54	-1,424.16	664.35	606.18	58.17	11.421	
11,700.00	10,375.56	12,471.98	11,037.47	38.61	44.60	176.56	251.97	-1,529.66	663.35	604.54	58.81	11.280	
11,800.00	10,374.36	12,573.11	11,034.50	40.59	46.45	176.47	251.42	-1,630.75	661.67	602.19	59.48	11.124	
11,900.00	10,373.16	12,674.51	11,031.41	42.60	48.34	176.37	250.97	-1,732.09	659.90	599.70	60.19	10.963	
12,000.00	10,371.95	12,770.94	11,028.59	44.63	50.17	176.25	250.83	-1,828.48	658.25	597.30	60.95	10.800	
12,100.00	10,370.75	12,866.00	11,026.06	46.69	52.01	176.12	250.92	-1,923.51	656.93	595.19	61.74	10.641	

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 701H
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:	701H	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			Semi Major Axis		Offset Wellbore Centre		Rule Assigned:		Distance	Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
12,146.39	10,370.19	12,908.44	11,025.22	47.65	52.84	176.06	250.99	-1,965.95	656.63	594.50	62.12	10.570			
12,200.00	10,369.55	12,959.00	11,024.95	48.76	53.83	175.97	251.22	-2,016.50	657.04	594.47	62.57	10.501			
12,300.00	10,368.35	13,054.06	11,025.02	50.86	55.72	175.80	251.89	-2,111.55	658.43	595.01	63.42	10.382			
12,400.00	10,367.15	13,162.19	11,023.74	52.97	57.89	175.51	253.68	-2,219.66	658.66	594.38	64.28	10.246			
12,400.24	10,367.14	13,162.39	11,023.73	52.97	57.89	175.51	253.69	-2,219.87	658.66	594.37	64.29	10.246			
12,500.00	10,365.94	13,245.67	11,023.66	55.09	59.58	175.31	254.83	-2,303.13	659.98	594.77	65.21	10.121			
12,600.00	10,364.74	13,345.02	11,024.90	57.23	61.61	175.19	255.07	-2,402.47	662.56	596.41	66.15	10.016			
12,700.00	10,363.54	13,448.36	11,026.01	59.38	63.74	175.10	254.74	-2,505.81	664.92	597.81	67.11	9.907			
12,800.00	10,362.34	13,550.60	11,026.50	61.54	65.86	175.00	254.58	-2,608.04	666.71	598.61	68.10	9.790			
12,900.00	10,361.13	13,648.18	11,027.25	63.70	67.90	174.98	253.62	-2,705.62	668.71	599.60	69.11	9.676			
13,000.00	10,359.93	13,746.98	11,028.35	65.88	69.97	175.16	250.27	-2,804.35	670.85	600.71	70.14	9.564			
13,100.00	10,358.73	13,863.58	11,029.36	68.06	72.42	175.52	244.50	-2,920.80	672.75	601.50	71.24	9.443			
13,200.00	10,357.53	14,000.17	11,024.13	70.25	75.30	176.02	236.40	-3,057.03	669.76	597.39	72.37	9.254			
13,300.00	10,356.32	14,094.39	11,018.45	72.45	77.30	176.26	231.94	-3,150.97	664.72	591.22	73.50	9.044			
13,400.00	10,355.12	14,177.00	11,014.38	74.65	79.08	176.28	230.34	-3,233.46	661.02	586.40	74.62	8.858			
13,500.00	10,353.92	14,270.00	11,011.27	76.85	81.09	176.18	229.92	-3,326.41	658.98	583.24	75.74	8.701			
13,600.00	10,352.72	14,364.00	11,009.60	79.06	83.11	176.12	229.28	-3,420.39	658.46	581.59	76.86	8.567			
13,601.08	10,352.70	14,364.00	11,009.60	79.09	83.11	176.12	229.28	-3,420.39	658.46	581.58	76.87	8.565			
13,700.00	10,351.51	14,463.16	11,008.52	81.28	85.25	176.09	228.23	-3,519.53	658.59	580.57	78.02	8.442			
13,722.90	10,351.24	14,485.82	11,008.24	81.78	85.74	176.08	227.98	-3,542.20	658.59	580.30	78.28	8.413			
13,800.00	10,350.31	14,561.37	11,007.36	83.49	87.38	176.06	227.09	-3,617.73	658.64	579.46	79.18	8.319			
13,900.00	10,349.11	14,654.18	11,007.06	85.72	89.40	176.12	225.11	-3,710.53	659.46	579.13	80.33	8.209			
14,000.00	10,347.91	14,760.89	11,007.29	87.94	91.71	176.27	221.99	-3,817.18	660.81	579.26	81.55	8.103			
14,100.00	10,346.71	14,887.99	11,002.70	90.17	94.48	176.35	219.01	-3,944.15	658.16	575.32	82.83	7.945			
14,200.00	10,345.50	14,980.68	10,998.27	92.40	96.51	176.34	217.52	-4,036.73	654.59	570.53	84.07	7.787			
14,300.00	10,344.30	15,073.22	10,995.40	94.63	98.53	176.34	216.13	-4,129.21	652.68	567.39	85.29	7.653			
14,376.35	10,343.38	15,139.44	10,993.81	96.34	99.99	176.30	215.53	-4,195.41	651.83	565.61	86.22	7.560			
14,400.00	10,343.10	15,157.02	10,993.68	96.87	100.37	176.29	215.34	-4,212.98	651.94	565.45	86.50	7.537			
14,500.00	10,341.90	15,236.86	10,994.98	99.11	102.13	176.31	214.13	-4,292.80	654.70	567.05	87.65	7.470			
14,600.00	10,340.69	15,331.98	10,998.35	101.35	104.22	176.47	211.21	-4,387.81	659.32	570.44	88.88	7.418			
14,700.00	10,339.49	15,443.47	11,001.73	103.59	106.67	176.71	207.07	-4,499.18	663.44	573.21	90.23	7.353			
14,800.00	10,338.29	15,558.81	11,002.54	105.84	109.21	176.99	202.25	-4,614.42	665.17	573.58	91.60	7.262			
14,900.00	10,337.09	15,667.12	11,001.38	108.08	111.60	177.22	198.10	-4,722.63	665.18	572.27	92.92	7.159			
15,000.00	10,335.88	15,773.21	10,999.12	110.33	113.95	177.36	194.86	-4,828.65	664.17	569.94	94.23	7.048			
15,100.00	10,334.68	15,875.83	10,996.04	112.58	116.22	177.45	192.24	-4,931.19	662.32	566.78	95.54	6.933			
15,196.39	10,333.52	15,959.77	10,994.28	114.75	118.08	177.46	190.88	-5,015.10	661.45	564.70	96.75	6.837			
15,200.00	10,333.48	15,963.04	10,994.24	114.83	118.16	177.46	190.85	-5,018.37	661.45	564.65	96.80	6.833			
15,300.00	10,332.28	16,054.10	10,993.88	117.08	120.18	177.49	189.24	-5,109.41	662.24	564.18	98.06	6.753			
15,400.00	10,331.07	16,158.30	10,994.10	119.34	122.50	177.62	186.28	-5,213.57	663.61	564.20	99.41	6.675			
15,500.00	10,329.87	16,279.18	10,991.28	121.59	125.18	177.76	182.78	-5,334.36	662.33	561.48	100.85	6.567			
15,600.00	10,328.67	16,385.57	10,987.08	123.85	127.55	177.89	179.61	-5,440.62	659.53	557.32	102.21	6.453			
15,700.00	10,327.47	16,485.00	10,982.36	126.10	129.76	178.01	176.72	-5,539.90	655.94	552.38	103.55	6.334			
15,721.30	10,327.21	16,485.00	10,982.36	126.41	129.76	178.01	176.72	-5,539.90	655.59	551.91	103.68	6.323			
15,794.62	10,326.33	16,485.00	10,982.36	127.48	129.76	178.01	176.72	-5,539.90	659.68	555.68	104.00	6.343			

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 701H
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:	701H	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)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	0.00	15.50	1.00	1.00	174.14	-1,023.00	105.00	1,028.49				
100.00	100.00	83.35	98.85	1.09	1.26	174.14	-1,023.04	105.09	1,028.42	1,026.08	2.35	438.514	
200.00	200.00	181.98	197.48	1.60	1.96	174.12	-1,023.18	105.41	1,028.60	1,025.05	3.55	289.818	
300.00	300.00	280.62	296.12	2.01	2.78	174.09	-1,023.43	105.97	1,028.91	1,024.13	4.78	215.362	
400.00	400.00	388.73	404.23	2.35	3.51	174.04	-1,023.47	106.83	1,029.04	1,023.20	5.84	176.279	
500.00	500.00	501.05	516.53	2.65	4.19	173.97	-1,022.21	107.94	1,028.03	1,021.22	6.81	151.043	
600.00	600.00	585.09	600.56	2.93	4.91	173.89	-1,021.42	109.34	1,027.26	1,019.43	7.82	131.292	
603.76	603.76	588.30	603.76	2.94	4.94	173.89	-1,021.41	109.42	1,027.26	1,019.39	7.86	130.671	
700.00	700.00	670.31	685.74	3.18	5.69	173.76	-1,021.74	111.68	1,027.92	1,019.11	8.81	116.657	
800.00	800.00	803.44	818.80	3.41	6.93	173.55	-1,021.42	115.52	1,028.10	1,017.77	10.34	99.455	
900.00	900.00	931.82	947.08	3.64	8.16	173.39	-1,016.68	117.77	1,024.56	1,013.02	11.54	88.782	
1,000.00	1,000.00	1,047.27	1,062.31	3.85	9.02	173.21	-1,010.16	120.31	1,019.21	1,006.96	12.25	83.209	
1,100.00	1,100.00	1,130.13	1,145.03	4.05	9.30	173.11	-1,005.54	121.56	1,013.86	1,001.07	12.79	79.246	
1,200.00	1,200.00	1,211.77	1,226.62	4.24	9.56	173.13	-1,002.72	120.86	1,010.32	997.00	13.32	75.848	
1,300.00	1,300.00	1,296.23	1,311.04	4.43	9.85	173.24	-1,001.44	118.65	1,008.50	994.64	13.86	72.767	
1,377.61	1,377.61	1,362.83	1,377.61	4.57	10.09	173.34	-1,001.27	116.96	1,008.08	993.80	14.28	70.592 CC	
1,400.00	1,400.00	1,382.04	1,396.82	4.61	10.16	173.36	-1,001.36	116.50	1,008.11	993.71	14.40	69.999	
1,500.00	1,500.00	1,477.13	1,491.88	4.78	10.43	173.49	-1,002.38	114.30	1,008.91	994.05	14.87	67.870	
1,600.00	1,600.00	1,581.99	1,596.70	4.95	10.64	173.64	-1,003.26	111.82	1,009.48	994.23	15.25	66.207	
1,700.00	1,700.00	1,683.48	1,698.16	5.12	10.86	173.77	-1,003.73	109.49	1,009.68	994.06	15.62	64.646	
1,800.00	1,800.00	1,783.57	1,798.24	5.28	11.06	173.87	-1,004.09	107.78	1,009.86	993.88	15.98	63.179	
1,900.00	1,900.00	1,883.05	1,897.70	5.44	11.27	173.96	-1,004.44	106.34	1,010.06	993.72	16.34	61.816	
2,000.00	2,000.00	1,982.38	1,997.02	5.59	11.47	174.06	-1,004.90	104.49	1,010.32	993.63	16.69	60.534 ES	
2,100.00	2,100.00	2,076.29	2,090.90	5.75	11.65	174.19	-1,005.67	102.34	1,010.90	993.89	17.01	59.414	
2,200.00	2,200.00	2,174.00	2,188.56	5.89	11.84	174.35	-1,007.14	99.70	1,012.13	994.78	17.34	58.360	
2,300.00	2,300.00	2,272.51	2,287.04	6.04	12.01	174.48	-1,008.76	97.52	1,013.55	995.89	17.65	57.420	
2,400.00	2,400.00	2,374.61	2,389.12	6.19	12.18	174.53	-1,010.00	96.69	1,014.68	996.71	17.97	56.473	
2,500.00	2,500.00	2,470.72	2,485.23	6.33	12.34	174.56	-1,011.25	96.39	1,015.94	997.66	18.28	55.576	
2,600.00	2,600.00	2,567.12	2,581.61	6.47	12.48	174.58	-1,012.88	96.02	1,017.59	999.02	18.57	54.799	
2,700.00	2,700.00	2,666.03	2,680.50	6.61	12.54	174.61	-1,014.81	95.71	1,019.50	1,000.72	18.78	54.299	
2,800.00	2,800.00	2,766.95	2,781.40	6.74	12.59	174.65	-1,016.66	95.28	1,021.29	1,002.31	18.98	53.821	
2,900.00	2,900.00	2,865.86	2,880.30	6.88	12.64	174.68	-1,018.64	94.83	1,023.24	1,004.06	19.18	53.357	
3,000.00	3,000.00	2,971.42	2,985.84	7.01	12.69	174.71	-1,020.48	94.58	1,024.95	1,005.56	19.39	52.867	
3,100.00	3,100.00	3,071.10	3,085.50	7.14	12.79	174.69	-1,021.67	95.04	1,026.19	1,006.55	19.64	52.253	
3,200.00	3,200.00	3,165.22	3,179.61	7.27	12.92	174.62	-1,023.15	96.41	1,027.88	1,007.97	19.91	51.616	
3,300.00	3,300.00	3,259.92	3,274.26	7.40	13.08	174.51	-1,025.08	98.59	1,030.14	1,009.92	20.22	50.957	
3,400.00	3,400.00	3,354.99	3,369.27	7.52	13.26	174.38	-1,027.46	101.04	1,032.87	1,012.34	20.53	50.301	
3,500.00	3,500.00	3,441.55	3,455.75	7.65	13.51	174.26	-1,030.22	103.54	1,036.35	1,015.45	20.90	49.588	
3,600.00	3,600.00	3,523.49	3,537.54	7.77	13.80	174.12	-1,034.15	106.42	1,041.49	1,020.20	21.29	48.925	
3,700.00	3,700.00	3,615.37	3,629.16	7.90	14.12	173.96	-1,039.97	110.05	1,048.17	1,026.45	21.72	48.258	
3,800.00	3,800.00	3,725.53	3,739.10	8.02	14.50	173.87	-1,046.67	112.34	1,054.44	1,032.21	22.24	47.421	
3,900.00	3,900.00	3,834.69	3,848.10	8.14	14.78	173.91	-1,052.51	112.38	1,059.76	1,037.10	22.66	46.768	
4,000.00	4,000.00	3,943.34	3,956.63	8.26	15.00	173.95	-1,057.45	112.02	1,064.25	1,041.21	23.04	46.198	
4,100.00	4,099.98	4,044.79	4,058.00	8.49	15.21	174.01	-1,061.57	111.38	1,069.96	1,046.46	23.50	45.535	
4,150.00	4,149.93	4,095.16	4,108.33	8.57	15.32	174.05	-1,063.59	110.94	1,074.07	1,050.38	23.70	45.328	
4,200.00	4,199.86	4,145.50	4,158.62	8.62	15.42	174.10	-1,065.59	110.41	1,078.59	1,054.74	23.85	45.218	
4,300.00	4,299.73	4,246.42	4,259.47	8.75	15.55	174.21	-1,069.53	109.34	1,087.56	1,063.42	24.14	45.055	
4,400.00	4,399.59	4,348.30	4,361.27	8.90	15.74	174.29	-1,073.28	108.59	1,096.36	1,071.86	24.50	44.751	
4,500.00	4,499.45	4,448.28	4,461.19	9.06	15.91	174.35	-1,076.74	108.33	1,104.98	1,080.12	24.85	44.461	
4,600.00	4,599.31	4,545.75	4,558.59	9.24	16.08	174.39	-1,080.28	108.41	1,113.80	1,088.60	25.20	44.201	
4,700.00	4,699.18	4,647.24	4,660.01	9.42	16.29	174.43	-1,083.91	108.60	1,122.57	1,096.97	25.60	43.848	
4,800.00	4,799.04	4,741.47	4,754.18	9.61	16.50	174.46	-1,087.25	108.76	1,131.33	1,105.32	26.01	43.492	

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 701H
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:	701H	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)			
4,900.00	4,898.90	4,827.66	4,840.29	9.81	16.71	174.51	-1,091.22	108.49	1,141.08	1,114.65	26.43	43.176	
5,000.00	4,998.77	4,923.93	4,936.40	10.01	16.95	174.60	-1,096.71	107.69	1,151.86	1,124.98	26.88	42.847	
5,100.00	5,098.63	5,044.66	5,056.99	10.23	17.25	174.69	-1,102.22	107.07	1,161.56	1,134.14	27.42	42.358	
5,200.00	5,198.49	5,150.01	5,162.29	10.45	17.45	174.75	-1,105.63	106.74	1,169.95	1,142.09	27.85	42.003	
5,300.00	5,298.36	5,253.41	5,265.64	10.67	17.67	174.82	-1,108.75	106.06	1,178.11	1,149.80	28.31	41.621	
5,400.00	5,398.22	5,353.00	5,365.20	10.91	17.89	174.87	-1,111.39	105.72	1,185.92	1,157.16	28.76	41.233	
5,500.00	5,498.08	5,437.54	5,449.69	11.15	18.19	174.90	-1,114.14	105.73	1,194.39	1,165.09	29.30	40.763	
5,600.00	5,597.94	5,518.41	5,530.46	11.39	18.48	174.92	-1,118.03	106.02	1,204.42	1,174.59	29.83	40.381	
5,700.00	5,697.81	5,620.07	5,631.96	11.64	18.85	174.94	-1,123.84	106.55	1,215.36	1,184.90	30.45	39.909	
5,800.00	5,797.67	5,729.56	5,741.31	11.90	19.25	174.98	-1,129.32	106.78	1,225.57	1,194.45	31.12	39.381	
5,900.00	5,897.53	5,821.37	5,833.01	12.15	19.51	175.02	-1,133.86	106.76	1,235.69	1,204.05	31.63	39.064	
6,000.00	5,997.40	5,914.00	5,925.49	12.42	19.77	175.06	-1,139.01	106.58	1,246.41	1,214.26	32.15	38.766	
6,100.00	6,097.26	6,008.13	6,019.45	12.68	20.05	175.12	-1,144.72	106.26	1,257.61	1,224.92	32.69	38.469	
6,200.00	6,197.12	6,103.00	6,114.12	12.95	20.32	175.19	-1,150.82	105.79	1,269.17	1,235.94	33.24	38.185	
6,300.00	6,296.99	6,209.94	6,220.84	13.23	20.64	175.26	-1,157.58	105.11	1,280.62	1,246.79	33.83	37.852	
6,400.00	6,396.85	6,316.51	6,327.24	13.51	20.95	175.34	-1,163.68	104.32	1,291.47	1,257.04	34.43	37.513	
6,500.00	6,496.71	6,421.46	6,432.04	13.79	21.25	175.42	-1,169.20	103.50	1,301.85	1,266.84	35.01	37.181	
6,600.00	6,596.57	6,527.74	6,538.19	14.07	21.56	175.49	-1,174.31	102.67	1,311.79	1,276.18	35.60	36.843	
6,700.00	6,696.44	6,635.47	6,645.82	14.35	21.86	175.57	-1,178.86	101.70	1,321.14	1,284.94	36.20	36.499	
6,800.00	6,796.30	6,739.54	6,749.82	14.64	22.15	175.64	-1,182.73	100.70	1,329.97	1,293.20	36.77	36.167	
6,900.00	6,896.16	6,842.38	6,852.59	14.93	22.43	175.71	-1,186.27	99.81	1,338.56	1,301.21	37.35	35.842	
7,000.00	6,996.03	6,940.48	6,950.63	15.23	22.71	175.77	-1,189.58	99.06	1,347.07	1,309.17	37.91	35.535	
7,100.00	7,095.89	7,038.29	7,048.38	15.52	22.98	175.82	-1,193.00	98.36	1,355.72	1,317.25	38.47	35.238	
7,200.00	7,195.75	7,140.85	7,150.87	15.82	23.27	175.88	-1,196.54	97.68	1,364.33	1,325.28	39.05	34.934	
7,300.00	7,295.61	7,242.72	7,252.69	16.12	23.55	175.93	-1,199.84	97.05	1,372.73	1,333.10	39.64	34.633	
7,400.00	7,395.48	7,341.71	7,351.63	16.42	23.83	175.98	-1,203.01	96.53	1,381.10	1,340.89	40.21	34.345	
7,500.00	7,495.34	7,441.22	7,451.09	16.72	24.11	176.02	-1,206.22	96.12	1,389.51	1,348.71	40.79	34.064	
7,600.00	7,595.20	7,541.97	7,551.78	17.02	24.40	176.06	-1,209.42	95.78	1,397.87	1,356.49	41.38	33.784	
7,700.00	7,695.07	7,643.23	7,653.00	17.33	24.68	176.09	-1,212.54	95.48	1,406.14	1,364.17	41.97	33.506	
7,800.00	7,794.93	7,745.16	7,754.88	17.63	24.97	176.12	-1,215.53	95.32	1,414.27	1,371.71	42.56	33.232	
7,900.00	7,894.80	7,848.45	7,858.13	17.92	25.26	176.15	-1,218.35	95.31	1,422.05	1,378.92	43.13	32.971	
8,000.00	7,994.77	7,952.82	7,962.48	18.23	25.54	176.16	-1,220.88	95.40	1,429.91	1,383.18	43.72	32.634	
8,100.00	8,094.76	8,052.72	8,062.37	18.53	25.82	176.17	-1,223.34	95.44	1,437.42	1,383.62	44.31	32.586	
8,200.00	8,194.76	8,153.90	8,163.53	18.83	26.10	176.18	-1,225.91	95.21	1,444.70	1,384.71	44.90	32.475	
8,300.00	8,294.76	8,253.83	8,263.45	19.13	26.38	176.19	-1,228.37	94.99	1,451.91	1,385.79	45.49	32.313	
8,400.00	8,394.76	8,353.54	8,363.14	19.43	26.66	176.20	-1,230.82	94.76	1,459.12	1,386.84	46.08	32.151	
8,500.00	8,494.77	8,453.38	8,462.96	19.73	26.94	176.21	-1,233.27	94.53	1,466.33	1,387.88	46.67	31.989	
8,600.00	8,594.77	8,553.56	8,563.14	20.03	27.22	176.22	-1,235.72	94.30	1,473.54	1,388.92	47.26	31.827	
8,700.00	8,694.77	8,653.65	8,663.23	20.33	27.50	176.23	-1,238.17	94.07	1,480.75	1,389.96	47.85	31.665	
8,800.00	8,794.77	8,753.83	8,763.41	20.63	27.78	176.24	-1,240.62	93.84	1,487.96	1,391.00	48.44	31.503	
8,900.00	8,894.77	8,853.92	8,863.50	20.93	28.06	176.25	-1,243.07	93.61	1,495.17	1,392.04	49.03	31.341	
9,000.00	8,994.77	8,954.00	8,963.58	21.23	28.34	176.26	-1,245.52	93.38	1,502.38	1,393.08	49.62	31.179	
9,100.00	9,094.77	9,054.08	9,063.66	21.53	28.62	176.27	-1,247.97	93.15	1,509.59	1,394.12	50.21	31.017	
9,200.00	9,194.77	9,154.16	9,163.74	21.83	28.90	176.28	-1,250.42	92.92	1,516.80	1,395.16	50.80	30.855	
9,300.00	9,294.77	9,254.24	9,263.82	22.13	29.18	176.29	-1,252.87	92.69	1,524.01	1,396.20	51.39	30.693	
9,400.00	9,394.77	9,354.32	9,363.90	22.43	29.46	176.30	-1,255.32	92.46	1,531.22	1,397.24	51.98	30.531	
9,500.00	9,494.77	9,454.40	9,463.98	22.73	29.74	176.31	-1,257.77	92.23	1,538.43	1,398.28	52.57	30.369	
9,600.00	9,594.77	9,554.48	9,564.06	23.03	30.02	176.32	-1,260.22	92.00	1,545.64	1,399.32	53.16	30.207	
9,700.00	9,694.77	9,654.56	9,664.14	23.33	30.30	176.33	-1,262.67	91.77	1,552.85	1,400.36	53.75	30.045	
9,800.00	9,794.77	9,754.64	9,764.22	23.63	30.58	176.34	-1,265.12	91.54	1,560.06	1,401.40	54.34	29.883	

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 701H
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:	701H	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					Rule Assigned:						Offset Well Error:	1.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance				Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,900.00	9,894.77	9,893.18	9,902.49	19.56	29.24	176.56	-1,247.20	87.04	1,452.37	1,403.70	48.67	29.841		
9,915.74	9,910.50	9,907.15	9,916.46	19.56	29.23	176.56	-1,247.12	87.14	1,452.29	1,403.62	48.67	29.839		
9,925.00	9,919.76	9,915.37	9,924.68	19.56	29.23	-95.85	-1,247.09	87.20	1,452.27	1,403.60	48.67	29.839		
9,929.83	9,924.60	9,919.66	9,928.97	19.57	29.23	-95.85	-1,247.07	87.24	1,452.27	1,403.60	48.67	29.840		
9,950.00	9,944.74	9,941.00	9,950.31	19.57	29.21	-95.90	-1,247.02	87.42	1,452.33	1,403.66	48.66	29.844		
9,975.00	9,969.61	9,961.24	9,970.55	19.58	29.23	-95.96	-1,246.99	87.60	1,452.55	1,403.86	48.69	29.830		
10,000.00	9,994.33	9,985.10	9,994.40	19.59	29.26	-96.06	-1,246.97	87.79	1,452.94	1,404.21	48.73	29.818		
10,025.00	10,018.81	10,008.73	10,018.03	19.60	29.28	-96.19	-1,246.96	87.96	1,453.50	1,404.74	48.76	29.809		
10,050.00	10,043.00	10,032.08	10,041.38	19.61	29.30	-96.34	-1,246.97	88.11	1,454.23	1,405.44	48.79	29.805		
10,075.00	10,066.83	10,055.08	10,064.38	19.62	29.32	-96.50	-1,246.99	88.23	1,455.15	1,406.33	48.82	29.804		
10,100.00	10,090.23	10,077.67	10,086.97	19.64	29.35	-96.68	-1,247.03	88.33	1,456.29	1,407.43	48.86	29.807		
10,125.00	10,113.13	10,099.80	10,109.10	19.66	29.37	-96.87	-1,247.08	88.41	1,457.64	1,408.75	48.89	29.815		
10,150.00	10,135.48	10,121.40	10,130.71	19.68	29.39	-97.06	-1,247.14	88.47	1,459.24	1,410.32	48.92	29.828		
10,175.00	10,157.21	10,142.55	10,151.85	19.71	29.42	-97.25	-1,247.21	88.51	1,461.11	1,412.14	48.97	29.838		
10,200.00	10,178.27	10,163.10	10,172.40	19.74	29.46	-97.42	-1,247.28	88.55	1,463.26	1,414.24	49.02	29.849		
10,225.00	10,198.59	10,182.93	10,192.23	19.78	29.50	-97.58	-1,247.36	88.59	1,465.72	1,416.64	49.08	29.866		
10,250.00	10,218.12	10,201.99	10,211.29	19.82	29.54	-97.71	-1,247.44	88.62	1,468.50	1,419.37	49.13	29.890		
10,275.00	10,236.81	10,220.23	10,229.53	19.87	29.58	-97.81	-1,247.53	88.65	1,471.64	1,422.45	49.19	29.919		
10,300.00	10,254.61	10,237.60	10,246.90	19.92	29.61	-97.86	-1,247.61	88.67	1,475.15	1,425.90	49.24	29.956		
10,325.00	10,271.46	10,254.04	10,263.34	19.99	29.64	-97.86	-1,247.70	88.70	1,479.05	1,429.75	49.30	29.999		
10,350.00	10,287.32	10,269.53	10,278.82	20.06	29.67	-97.81	-1,247.78	88.72	1,483.37	1,434.00	49.37	30.048		
10,375.00	10,302.15	10,284.00	10,293.30	20.14	29.70	-97.69	-1,247.87	88.73	1,488.11	1,438.68	49.43	30.105		
10,400.00	10,315.91	10,297.42	10,306.72	20.24	29.73	-97.49	-1,247.95	88.75	1,493.29	1,443.79	49.50	30.169		
10,425.00	10,328.55	10,309.76	10,319.06	20.34	29.75	-97.22	-1,248.02	88.76	1,498.92	1,449.36	49.57	30.241		
10,450.00	10,340.05	10,321.18	10,330.48	20.46	29.78	-96.87	-1,248.09	88.77	1,505.02	1,455.38	49.64	30.319		
10,475.00	10,350.37	10,331.75	10,341.05	20.59	29.80	-96.43	-1,248.16	88.79	1,511.57	1,461.85	49.71	30.405		
10,500.00	10,359.49	10,341.07	10,350.37	20.73	29.81	-95.90	-1,248.22	88.80	1,518.58	1,468.79	49.79	30.498		
10,525.00	10,367.37	10,349.13	10,358.43	20.89	29.83	-95.27	-1,248.26	88.81	1,526.05	1,476.18	49.87	30.599		
10,550.00	10,374.01	10,355.90	10,365.20	21.06	29.84	-94.53	-1,248.30	88.82	1,533.97	1,484.02	49.95	30.708		
10,575.00	10,379.37	10,361.36	10,370.66	21.25	29.85	-93.67	-1,248.33	88.82	1,542.33	1,492.29	50.04	30.824		
10,600.00	10,383.45	10,365.50	10,374.80	21.45	29.86	-92.71	-1,248.35	88.83	1,551.11	1,500.99	50.12	30.948		
10,625.00	10,386.23	10,368.31	10,377.61	21.66	29.86	-91.64	-1,248.37	88.83	1,560.29	1,510.08	50.20	31.080		
10,650.00	10,387.71	10,369.78	10,379.08	21.88	29.87	-90.46	-1,248.38	88.84	1,569.84	1,519.56	50.28	31.221		
10,671.49	10,387.93	10,369.97	10,379.27	22.09	29.87	-89.35	-1,248.38	88.84	1,578.33	1,527.98	50.35	31.348		
10,700.00	10,387.59	10,369.57	10,378.87	22.37	29.86	-89.35	-1,248.38	88.84	1,589.84	1,539.41	50.44	31.520		
10,800.00	10,386.38	10,368.17	10,377.47	23.53	29.86	-89.33	-1,248.37	88.83	1,631.51	1,580.69	50.82	32.102		
10,833.04	10,385.99	10,367.72	10,377.02	23.94	29.86	-89.32	-1,248.37	88.83	1,645.70	1,594.76	50.94	32.304		
10,900.00	10,385.18	10,366.80	10,376.10	24.81	29.86	-89.29	-1,248.36	88.83	1,675.74	1,624.54	51.19	32.733		
11,000.00	10,383.98	10,365.43	10,374.72	26.24	29.86	-89.23	-1,248.35	88.83	1,724.47	1,672.89	51.58	33.435		
11,100.00	10,382.78	12,134.31	11,423.35	27.78	37.53	-126.01	-1,210.55	-899.71	1,769.91	1,710.79	59.12	29.936		
11,200.00	10,381.57	12,203.00	11,420.77	29.42	38.44	-125.92	-1,214.10	-968.26	1,771.29	1,710.22	61.07	29.005		
11,300.00	10,380.37	12,256.98	11,419.36	31.14	39.23	-125.84	-1,217.90	-1,022.09	1,774.78	1,711.79	62.99	28.175		
11,400.00	10,379.17	12,321.09	11,418.80	32.93	40.16	-125.76	-1,223.07	-1,085.99	1,780.34	1,715.26	65.08	27.357		
11,500.00	10,377.97	12,390.00	11,419.55	34.78	41.17	-125.71	-1,229.41	-1,154.60	1,787.91	1,720.65	67.25	26.585		
11,600.00	10,376.76	12,487.52	11,421.38	36.67	42.63	-125.63	-1,239.02	-1,251.62	1,796.53	1,726.64	69.89	25.704		
11,700.00	10,375.56	12,644.97	11,427.21	38.61	45.20	-125.71	-1,247.60	-1,408.70	1,802.24	1,728.74	73.51	24.519		
11,800.00	10,374.36	12,951.00	11,427.90	40.59	50.88	-126.00	-1,242.57	-1,714.40	1,798.16	1,718.63	79.52	22.611		
11,900.00	10,373.16	13,044.00	11,423.40	42.60	52.56	-126.00	-1,239.35	-1,807.23	1,792.05	1,709.60	82.44	21.737		
12,000.00	10,371.95	13,109.76	11,419.85	44.63	53.77	-125.96	-1,238.65	-1,872.89	1,787.42	1,702.34	85.08	21.009		
12,100.00	10,370.75	13,177.00	11,416.47	46.69	55.02	-125.91	-1,238.87	-1,940.05	1,784.31	1,696.55	87.76	20.332		
12,191.58	10,369.65	13,232.00	11,414.32	48.59	56.05	-125.86	-1,239.96	-1,994.99	1,783.29	1,693.17	90.12	19.789		
12,200.00	10,369.55	13,232.00	11,414.32	48.76	56.05	-125.86	-1,239.96	-1,994.99	1,783.30	1,693.05	90.25	19.760		

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 701H
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:	701H	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					Rule Assigned:						Offset Well Error:	1.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
12,300.00	10,368.35	13,299.02	11,412.69	50.86	57.32	-125.82	-1,242.38	-2,061.94	1,784.44	1,691.50	92.94	19.199		
12,400.00	10,367.15	13,413.51	11,411.52	52.97	59.51	-125.76	-1,247.38	-2,176.32	1,786.99	1,690.52	96.48	18.523		
12,500.00	10,365.94	13,509.98	11,411.19	55.09	61.37	-125.76	-1,249.94	-2,272.76	1,788.48	1,688.78	99.69	17.940		
12,600.00	10,364.74	13,602.40	11,411.98	57.23	63.18	-125.79	-1,252.04	-2,365.15	1,790.35	1,687.51	102.84	17.409		
12,700.00	10,363.54	13,690.99	11,412.79	59.38	64.92	-125.82	-1,254.59	-2,453.70	1,792.74	1,686.80	105.95	16.921		
12,800.00	10,362.34	13,823.45	11,411.30	61.54	67.56	-125.77	-1,259.11	-2,586.06	1,794.32	1,684.37	109.95	16.320		
12,900.00	10,361.13	13,907.84	11,409.96	63.70	69.25	-125.73	-1,261.88	-2,670.39	1,795.60	1,682.49	113.11	15.875		
13,000.00	10,359.93	13,984.00	11,409.30	65.88	70.79	-125.70	-1,265.16	-2,746.48	1,798.09	1,681.97	116.13	15.484		
13,100.00	10,358.73	14,130.41	11,409.79	68.06	73.82	-125.75	-1,267.98	-2,892.84	1,799.14	1,678.72	120.42	14.941		
13,200.00	10,357.53	14,232.00	11,411.10	70.25	75.92	-125.83	-1,268.37	-2,994.42	1,799.73	1,675.89	123.83	14.534		
13,300.00	10,356.32	14,342.73	11,412.59	72.45	78.22	-125.94	-1,268.15	-3,105.15	1,799.89	1,672.49	127.39	14.129		
13,400.00	10,355.12	14,440.80	11,412.28	74.65	80.26	-125.98	-1,268.76	-3,203.21	1,799.73	1,668.91	130.82	13.757		
13,500.00	10,353.92	14,620.03	11,407.68	76.85	84.04	-125.98	-1,267.59	-3,382.34	1,797.03	1,661.37	135.66	13.246		
13,600.00	10,352.72	14,734.00	11,400.49	79.06	86.44	-125.91	-1,265.34	-3,496.05	1,791.12	1,651.60	139.52	12.838		
13,700.00	10,351.51	14,811.47	11,396.11	81.28	88.08	-125.86	-1,264.26	-3,573.39	1,786.28	1,643.47	142.81	12.508		
13,800.00	10,350.31	14,875.25	11,394.27	83.49	89.44	-125.86	-1,263.58	-3,637.14	1,783.28	1,637.48	145.80	12.231		
13,880.23	10,349.35	14,921.00	11,393.80	85.28	90.41	-125.88	-1,263.53	-3,682.89	1,782.40	1,634.36	148.04	12.040		
13,900.00	10,349.11	14,921.00	11,393.80	85.72	90.41	-125.88	-1,263.53	-3,682.89	1,782.51	1,634.13	148.38	12.014		
14,000.00	10,347.91	15,014.00	11,395.30	87.94	92.40	-125.95	-1,264.65	-3,775.86	1,783.96	1,632.22	151.74	11.757		
14,100.00	10,346.71	15,054.78	11,396.95	90.17	93.28	-125.99	-1,265.74	-3,816.59	1,787.47	1,633.45	154.02	11.605		
14,200.00	10,345.50	15,135.52	11,401.28	92.40	95.01	-126.09	-1,268.99	-3,897.15	1,793.30	1,636.27	157.04	11.420		
14,300.00	10,344.30	15,331.59	11,407.05	94.63	99.23	-126.26	-1,273.86	-4,093.05	1,796.67	1,634.24	162.43	11.061		
14,400.00	10,343.10	15,515.48	11,400.15	96.87	103.21	-126.18	-1,274.51	-4,276.77	1,793.79	1,626.14	167.65	10.700		
14,500.00	10,341.90	15,648.11	11,390.19	99.11	106.08	-126.01	-1,274.19	-4,409.02	1,788.70	1,616.67	172.04	10.397		
14,600.00	10,340.69	15,774.31	11,381.35	101.35	108.82	-125.91	-1,270.86	-4,534.86	1,781.98	1,605.80	176.18	10.115		
14,700.00	10,339.49	15,857.00	11,376.53	103.59	110.63	-125.90	-1,267.59	-4,617.35	1,774.91	1,595.26	179.65	9.880		
14,800.00	10,338.29	15,909.72	11,374.13	105.84	111.79	-125.89	-1,266.13	-4,669.99	1,769.63	1,586.99	182.64	9.689		
14,900.00	10,337.09	15,950.00	11,373.10	108.08	112.67	-125.90	-1,265.79	-4,710.25	1,767.29	1,582.00	185.28	9.538		
14,936.12	10,336.65	15,978.30	11,372.81	108.89	113.30	-125.90	-1,265.91	-4,738.56	1,767.06	1,580.61	186.46	9.477		
15,000.00	10,335.88	16,011.89	11,372.92	110.33	114.04	-125.92	-1,266.38	-4,772.14	1,767.60	1,579.43	188.17	9.393		
15,100.00	10,334.68	16,096.16	11,374.59	112.58	115.89	-125.97	-1,268.57	-4,856.37	1,770.30	1,578.87	191.43	9.248		
15,200.00	10,333.48	16,244.02	11,374.52	114.83	119.13	-125.99	-1,271.90	-5,004.17	1,771.67	1,575.61	196.05	9.037		
15,300.00	10,332.28	16,360.04	11,372.12	117.08	121.69	-125.98	-1,272.70	-5,120.17	1,770.46	1,570.39	200.06	8.849		
15,360.37	10,331.55	16,402.42	11,371.72	118.44	122.62	-125.99	-1,272.97	-5,162.54	1,770.15	1,568.21	201.93	8.766		
15,400.00	10,331.07	16,433.94	11,371.68	119.34	123.32	-126.00	-1,273.30	-5,194.06	1,770.26	1,567.05	203.22	8.711		
15,500.00	10,329.87	16,525.87	11,371.78	121.59	125.34	-126.04	-1,274.56	-5,285.98	1,770.96	1,564.29	206.68	8.569		
15,600.00	10,328.67	16,629.12	11,371.62	123.85	127.62	-126.05	-1,276.56	-5,389.21	1,771.98	1,561.57	210.40	8.422		
15,700.00	10,327.47	16,749.34	11,368.45	126.10	130.27	-125.99	-1,279.42	-5,509.35	1,771.83	1,557.19	214.64	8.255		
15,725.95	10,327.16	16,768.00	11,367.84	126.48	130.69	-125.97	-1,279.87	-5,528.00	1,771.74	1,556.43	215.31	8.229		
15,794.62	10,326.33	16,768.00	11,367.84	127.48	130.69	-125.97	-1,279.87	-5,528.00	1,773.07	1,557.14	215.93	8.211 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 701H
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:	701H	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			Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
0.00	0.00	0.00	0.00	1.00	1.00	180.00	-30.00	0.00	30.00						
100.00	100.00	100.00	100.00	1.09	1.09	180.00	-30.00	0.00	30.00	27.83	2.17	13.820			
200.00	200.00	200.00	200.00	1.60	1.60	180.00	-30.00	0.00	30.00	26.80	3.20	9.375			
300.00	300.00	300.00	300.00	2.01	2.01	180.00	-30.00	0.00	30.00	25.98	4.02	7.460			
400.00	400.00	400.00	400.00	2.35	2.35	180.00	-30.00	0.00	30.00	25.29	4.71	6.373			
500.00	500.00	500.00	500.00	2.65	2.65	180.00	-30.00	0.00	30.00	24.69	5.31	5.650			
600.00	600.00	600.00	600.00	2.93	2.93	180.00	-30.00	0.00	30.00	24.14	5.86	5.123			
700.00	700.00	700.00	700.00	3.18	3.18	180.00	-30.00	0.00	30.00	23.64	6.36	4.718			
800.00	800.00	800.00	800.00	3.41	3.41	180.00	-30.00	0.00	30.00	23.17	6.83	4.393			
900.00	900.00	900.00	900.00	3.64	3.64	180.00	-30.00	0.00	30.00	22.73	7.27	4.125			
1,000.00	1,000.00	1,000.00	1,000.00	3.85	3.85	180.00	-30.00	0.00	30.00	22.31	7.69	3.900			
1,100.00	1,100.00	1,100.00	1,100.00	4.05	4.05	180.00	-30.00	0.00	30.00	21.90	8.10	3.706			
1,200.00	1,200.00	1,200.00	1,200.00	4.24	4.24	180.00	-30.00	0.00	30.00	21.52	8.48	3.537			
1,300.00	1,300.00	1,300.00	1,300.00	4.43	4.43	180.00	-30.00	0.00	30.00	21.14	8.86	3.388			
1,400.00	1,400.00	1,400.00	1,400.00	4.61	4.61	180.00	-30.00	0.00	30.00	20.78	9.22	3.255			
1,500.00	1,500.00	1,500.00	1,500.00	4.78	4.78	180.00	-30.00	0.00	30.00	20.43	9.57	3.136			
1,600.00	1,600.00	1,600.00	1,600.00	4.95	4.95	180.00	-30.00	0.00	30.00	20.09	9.91	3.028			
1,700.00	1,700.00	1,700.00	1,700.00	5.12	5.12	180.00	-30.00	0.00	30.00	19.76	10.24	2.930			
1,800.00	1,800.00	1,800.00	1,800.00	5.28	5.28	180.00	-30.00	0.00	30.00	19.44	10.56	2.841			
1,900.00	1,900.00	1,900.00	1,900.00	5.44	5.44	180.00	-30.00	0.00	30.00	19.12	10.88	2.758			
2,000.00	2,000.00	2,000.00	2,000.00	5.59	5.59	180.00	-30.00	0.00	30.00	18.81	11.19	2.682			
2,100.00	2,100.00	2,100.00	2,100.00	5.75	5.75	180.00	-30.00	0.00	30.00	18.51	11.49	2.611			
2,200.00	2,200.00	2,200.00	2,200.00	5.89	5.89	180.00	-30.00	0.00	30.00	18.21	11.79	2.545			
2,300.00	2,300.00	2,300.00	2,300.00	6.04	6.04	180.00	-30.00	0.00	30.00	17.92	12.08	2.483			
2,400.00	2,400.00	2,400.00	2,400.00	6.19	6.19	180.00	-30.00	0.00	30.00	17.63	12.37	2.425			
2,500.00	2,500.00	2,500.00	2,500.00	6.33	6.33	180.00	-30.00	0.00	30.00	17.35	12.65	2.371			
2,600.00	2,600.00	2,600.00	2,600.00	6.47	6.47	180.00	-30.00	0.00	30.00	17.07	12.93	2.319			
2,700.00	2,700.00	2,700.00	2,700.00	6.61	6.61	180.00	-30.00	0.00	30.00	16.79	13.21	2.271			
2,800.00	2,800.00	2,800.00	2,800.00	6.74	6.74	180.00	-30.00	0.00	30.00	16.52	13.48	2.225			
2,900.00	2,900.00	2,900.00	2,900.00	6.88	6.88	180.00	-30.00	0.00	30.00	16.25	13.75	2.182			
3,000.00	3,000.00	3,000.00	3,000.00	7.01	7.01	180.00	-30.00	0.00	30.00	15.98	14.02	2.140			
3,100.00	3,100.00	3,100.00	3,100.00	7.14	7.14	180.00	-30.00	0.00	30.00	15.72	14.28	2.101			
3,200.00	3,200.00	3,200.00	3,200.00	7.27	7.27	180.00	-30.00	0.00	30.00	15.46	14.54	2.064			
3,300.00	3,300.00	3,300.00	3,300.00	7.40	7.40	180.00	-30.00	0.00	30.00	15.21	14.79	2.028			
3,400.00	3,400.00	3,400.00	3,400.00	7.52	7.52	180.00	-30.00	0.00	30.00	14.95	15.05	1.994			
3,500.00	3,500.00	3,500.00	3,500.00	7.65	7.65	180.00	-30.00	0.00	30.00	14.70	15.30	1.961			
3,600.00	3,600.00	3,600.00	3,600.00	7.77	7.77	180.00	-30.00	0.00	30.00	14.45	15.55	1.929			
3,700.00	3,700.00	3,700.00	3,700.00	7.90	7.90	180.00	-30.00	0.00	30.00	14.20	15.80	1.899			
3,800.00	3,800.00	3,800.00	3,800.00	8.02	8.02	180.00	-30.00	0.00	30.00	13.96	16.04	1.870			
3,900.00	3,900.00	3,900.00	3,900.00	8.14	8.14	180.00	-30.00	0.00	30.00	13.72	16.28	1.842			
4,000.00	4,000.00	4,000.00	4,000.00	8.26	8.26	180.00	-30.00	0.00	30.00	13.47	16.53	1.815 CC			
4,100.00	4,099.98	4,101.04	4,101.02	8.49	8.49	-179.38	-28.25	-0.32	30.01	13.04	16.97	1.769			
4,150.00	4,149.93	4,151.54	4,151.47	8.57	8.57	-178.61	-26.06	-0.73	30.03	12.91	17.12	1.754			
4,200.00	4,199.86	4,201.54	4,201.40	8.62	8.62	-177.70	-23.48	-1.21	30.09	12.87	17.22	1.748			
4,300.00	4,299.73	4,301.54	4,301.26	8.75	8.75	-175.89	-18.33	-2.16	30.22	12.75	17.48	1.729			
4,400.00	4,399.59	4,401.53	4,401.12	8.90	8.90	-174.11	-13.18	-3.12	30.39	12.62	17.77	1.710			
4,500.00	4,499.45	4,501.53	4,500.97	9.06	9.06	-172.34	-8.03	-4.08	30.58	12.49	18.09	1.691			
4,600.00	4,599.31	4,601.52	4,600.83	9.24	9.24	-170.60	-2.87	-5.03	30.80	12.38	18.42	1.672			
4,700.00	4,699.18	4,701.52	4,700.69	9.42	9.42	-168.89	2.28	-5.99	31.05	12.29	18.76	1.655			
4,800.00	4,799.04	4,801.51	4,800.55	9.61	9.61	-167.20	7.43	-6.94	31.33	12.21	19.12	1.639			
4,900.00	4,898.90	4,901.51	4,900.41	9.81	9.80	-165.54	12.58	-7.90	31.63	12.15	19.48	1.624			
5,000.00	4,998.77	5,001.50	5,000.26	10.01	10.01	-163.92	17.74	-8.85	31.96	12.11	19.85	1.610			

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 701H
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:	701H	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
5,100.00	5,098.63	5,101.50	5,100.12	10.23	10.23	-162.33	22.89	-9.81	32.32	12.09	20.23	1.598	
5,200.00	5,198.49	5,201.49	5,199.98	10.45	10.45	-160.78	28.04	-10.76	32.70	12.09	20.60	1.587 ES	
5,300.00	5,298.36	5,301.49	5,299.84	10.67	10.67	-159.26	33.19	-11.72	33.10	12.11	20.99	1.577	
5,400.00	5,398.22	5,401.49	5,399.70	10.91	10.91	-157.78	38.35	-12.67	33.52	12.16	21.37	1.569	
5,500.00	5,498.08	5,501.48	5,499.55	11.15	11.15	-156.34	43.50	-13.63	33.97	12.22	21.75	1.562	
5,600.00	5,597.94	5,601.48	5,599.41	11.39	11.39	-154.94	48.65	-14.59	34.44	12.31	22.13	1.556	
5,700.00	5,697.81	5,701.47	5,699.27	11.64	11.64	-153.58	53.80	-15.54	34.93	12.42	22.50	1.552	
5,800.00	5,797.67	5,801.47	5,799.13	11.90	11.89	-152.25	58.96	-16.50	35.43	12.56	22.88	1.549	
5,900.00	5,897.53	5,901.46	5,898.99	12.15	12.15	-150.96	64.11	-17.45	35.96	12.71	23.25	1.547	
6,000.00	5,997.40	6,001.46	5,998.84	12.42	12.42	-149.71	69.26	-18.41	36.50	12.89	23.61	1.546	
6,100.00	6,097.26	6,101.45	6,098.70	12.68	12.68	-148.50	74.41	-19.36	37.06	13.09	23.97	1.546	
6,200.00	6,197.12	6,201.45	6,198.56	12.95	12.95	-147.32	79.57	-20.32	37.64	13.31	24.33	1.547	
6,300.00	6,296.99	6,301.44	6,298.42	13.23	13.23	-146.18	84.72	-21.27	38.23	13.55	24.67	1.549	
6,400.00	6,396.85	6,401.44	6,398.28	13.51	13.50	-145.08	89.87	-22.23	38.84	13.82	25.02	1.552	
6,500.00	6,496.71	6,501.43	6,498.13	13.79	13.78	-144.01	95.02	-23.19	39.46	14.10	25.36	1.556	
6,600.00	6,596.57	6,601.43	6,597.99	14.07	14.07	-142.97	100.18	-24.14	40.09	14.40	25.69	1.561	
6,700.00	6,696.44	6,701.43	6,697.85	14.35	14.35	-141.97	105.33	-25.10	40.73	14.72	26.02	1.566	
6,800.00	6,796.30	6,801.42	6,797.71	14.64	14.64	-140.99	110.48	-26.05	41.39	15.06	26.34	1.572	
6,900.00	6,896.16	6,901.42	6,897.57	14.93	14.93	-140.05	115.63	-27.01	42.06	15.41	26.65	1.578	
7,000.00	6,996.03	7,001.41	6,997.42	15.23	15.22	-139.14	120.79	-27.96	42.74	15.78	26.96	1.585	
7,100.00	7,095.89	7,101.41	7,097.28	15.52	15.52	-138.26	125.94	-28.92	43.44	16.17	27.27	1.593	
7,200.00	7,195.75	7,201.40	7,197.14	15.82	15.81	-137.40	131.09	-29.87	44.14	16.57	27.57	1.601	
7,300.00	7,295.61	7,301.40	7,297.00	16.12	16.11	-136.57	136.24	-30.83	44.85	16.98	27.86	1.610	
7,400.00	7,395.48	7,401.39	7,396.86	16.42	16.41	-135.77	141.40	-31.79	45.57	17.41	28.15	1.618	
7,500.00	7,495.34	7,501.39	7,496.71	16.72	16.72	-134.99	146.55	-32.74	46.30	17.86	28.44	1.628	
7,600.00	7,595.20	7,601.38	7,596.57	17.02	17.02	-134.24	151.70	-33.70	47.03	18.31	28.72	1.637	
7,700.00	7,695.07	7,701.38	7,696.43	17.33	17.33	-133.51	156.85	-34.65	47.78	18.78	29.00	1.647	
7,800.00	7,794.93	7,801.37	7,796.29	17.63	17.63	-132.80	162.01	-35.61	48.53	19.26	29.27	1.658	
7,870.00	7,864.83	7,871.37	7,866.19	17.84	17.85	-132.32	165.61	-36.28	49.06	19.61	29.45	1.666	
7,900.00	7,894.80	7,901.37	7,896.15	17.92	17.94	-131.98	167.16	-36.56	49.19	19.69	29.50	1.667	
8,000.00	7,994.77	8,001.32	7,995.96	18.23	18.25	-128.80	172.31	-37.52	48.15	18.87	29.29	1.644	
8,020.00	8,014.76	8,021.30	8,015.91	18.25	18.31	-127.76	173.34	-37.71	47.71	18.57	29.14	1.637	
8,100.00	8,094.76	8,101.19	8,095.69	18.30	18.56	-123.11	177.45	-38.47	45.94	17.46	28.48	1.613	
8,200.00	8,194.76	8,200.77	8,195.16	18.37	18.84	-117.71	181.91	-39.30	44.39	16.62	27.77	1.599	
8,300.00	8,294.76	8,300.38	8,294.76	18.44	19.05	-116.06	183.21	-39.54	44.01	16.31	27.70	1.589	
8,400.00	8,394.76	8,400.38	8,394.76	18.51	19.11	-116.06	183.21	-39.54	44.01	16.14	27.87	1.579	
8,500.00	8,494.77	8,500.38	8,494.77	18.58	19.18	-116.06	183.21	-39.54	44.01	15.96	28.05	1.569	
8,600.00	8,594.77	8,600.38	8,594.77	18.64	19.24	-116.06	183.21	-39.54	44.01	15.78	28.23	1.559	
8,700.00	8,694.77	8,700.38	8,694.77	18.71	19.31	-116.06	183.21	-39.54	44.01	15.60	28.41	1.549	
8,800.00	8,794.77	8,800.38	8,794.77	18.78	19.38	-116.06	183.21	-39.54	44.01	15.42	28.60	1.539	
8,900.00	8,894.77	8,900.38	8,894.77	18.85	19.45	-116.06	183.21	-39.54	44.01	15.24	28.78	1.530	
8,904.09	8,898.86	8,904.47	8,898.86	18.86	19.45	-116.06	183.21	-39.54	44.01	15.23	28.78	1.529 SF	
9,000.00	8,994.77	8,998.25	8,992.62	18.92	19.50	-115.69	183.20	-40.21	44.67	15.82	28.85	1.548	
9,100.00	9,094.77	9,098.28	9,081.54	18.99	19.56	-110.09	183.01	-53.40	58.38	29.89	28.49	2.049	
9,200.00	9,194.77	9,170.73	9,159.51	19.06	19.66	-103.99	182.63	-79.92	89.59	60.79	28.80	3.110	
9,300.00	9,294.77	9,242.40	9,222.70	19.13	19.76	-100.18	182.14	-113.56	136.03	106.34	29.69	4.581	
9,400.00	9,394.77	9,300.00	9,269.40	19.20	19.87	-98.07	181.66	-147.23	194.49	163.71	30.78	6.318	
9,500.00	9,494.77	9,350.00	9,306.40	19.27	19.99	-96.74	181.17	-180.82	261.98	230.26	31.72	8.259	
9,600.00	9,594.77	9,393.76	9,335.74	19.34	20.11	-95.85	180.71	-213.26	336.23	303.70	32.53	10.336	
9,700.00	9,694.77	9,425.00	9,354.81	19.42	20.22	-95.33	180.35	-238.00	415.57	382.25	33.32	12.472	
9,800.00	9,794.77	9,450.00	9,368.88	19.49	20.31	-94.97	180.05	-258.65	498.78	464.76	34.02	14.663	
9,900.00	9,894.77	9,475.00	9,381.85	19.56	20.41	-94.65	179.74	-280.02	584.82	550.21	34.61	16.899	

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 701H
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:	701H	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)			
9,915.74	9,910.50	9,483.43	9,385.97	19.56	20.45	-94.56	179.64	-287.38	598.53	563.87	34.66	17.267	
9,925.00	9,919.76	9,485.43	9,386.93	19.56	20.46	-6.70	179.61	-289.13	606.62	571.90	34.71	17.475	
9,950.00	9,944.74	9,491.01	9,389.56	19.57	20.49	-6.09	179.54	-294.05	628.09	593.23	34.85	18.021	
9,975.00	9,969.61	9,500.00	9,393.69	19.58	20.53	-5.58	179.43	-302.04	649.04	614.06	34.98	18.555	
10,000.00	9,994.33	9,500.00	9,393.69	19.59	20.53	-5.18	179.43	-302.04	669.42	634.27	35.15	19.042	
10,025.00	10,018.81	9,509.23	9,397.76	19.60	20.58	-4.82	179.31	-310.32	689.21	653.92	35.28	19.533	
10,050.00	10,043.00	9,515.73	9,400.53	19.61	20.61	-4.51	179.22	-316.20	708.40	672.97	35.43	19.994	
10,075.00	10,066.83	9,525.00	9,404.35	19.62	20.66	-4.25	179.10	-324.64	726.97	691.41	35.57	20.440	
10,100.00	10,090.23	9,525.00	9,404.35	19.64	20.66	-4.03	179.10	-324.64	744.91	709.17	35.74	20.843	
10,125.00	10,113.13	9,536.30	9,408.78	19.66	20.72	-3.84	178.95	-335.04	762.12	726.25	35.87	21.248	
10,150.00	10,135.48	9,550.00	9,413.82	19.68	20.79	-3.68	178.77	-347.78	778.75	742.76	35.99	21.637	
10,175.00	10,157.21	9,550.00	9,413.82	19.71	20.79	-3.53	178.77	-347.78	794.53	758.37	36.16	21.973	
10,200.00	10,178.27	9,558.20	9,416.66	19.74	20.84	-3.40	178.66	-355.47	809.65	773.35	36.30	22.306	
10,225.00	10,198.59	9,565.74	9,419.15	19.78	20.89	-3.29	178.55	-362.58	824.04	787.60	36.44	22.615	
10,250.00	10,218.12	9,575.00	9,422.06	19.82	20.95	-3.20	178.43	-371.37	837.68	801.11	36.57	22.904	
10,275.00	10,236.81	9,575.00	9,422.06	19.87	20.95	-3.10	178.43	-371.37	850.61	813.89	36.72	23.163	
10,300.00	10,254.61	9,588.96	9,426.12	19.92	21.04	-3.04	178.23	-384.73	862.64	825.79	36.84	23.413	
10,325.00	10,271.46	9,600.00	9,429.06	19.99	21.11	-2.98	178.08	-395.37	873.95	836.98	36.97	23.639	
10,350.00	10,287.32	9,600.00	9,429.06	20.06	21.11	-2.91	178.08	-395.37	884.47	847.37	37.11	23.836	
10,375.00	10,302.15	9,612.90	9,432.17	20.14	21.20	-2.88	177.90	-407.88	894.12	856.90	37.23	24.019	
10,400.00	10,315.91	9,625.00	9,434.79	20.24	21.29	-2.85	177.73	-419.70	903.01	865.67	37.34	24.182	
10,425.00	10,328.55	9,625.00	9,434.79	20.34	21.29	-2.80	177.73	-419.70	911.05	873.59	37.46	24.319	
10,450.00	10,340.05	9,637.37	9,437.15	20.46	21.38	-2.79	177.56	-431.84	918.22	880.65	37.57	24.438	
10,475.00	10,350.37	9,650.00	9,439.24	20.59	21.48	-2.79	177.38	-444.29	924.61	886.93	37.68	24.536	
10,500.00	10,359.49	9,650.00	9,439.24	20.73	21.48	-2.76	177.38	-444.29	930.11	892.33	37.79	24.616	
10,525.00	10,367.37	9,662.22	9,440.94	20.89	21.57	-2.76	177.20	-456.39	934.74	896.85	37.89	24.672	
10,550.00	10,374.01	9,675.00	9,442.40	21.06	21.68	-2.78	177.02	-469.09	938.57	900.58	37.99	24.708	
10,575.00	10,379.37	9,675.00	9,442.40	21.25	21.68	-2.76	177.02	-469.09	941.49	903.42	38.07	24.731	
10,600.00	10,383.45	9,687.28	9,443.47	21.45	21.78	-2.79	176.84	-481.32	943.54	905.38	38.16	24.725	
10,625.00	10,386.23	9,700.00	9,444.25	21.66	21.89	-2.82	176.66	-494.01	944.77	906.52	38.25	24.700	
10,650.00	10,387.71	9,700.00	9,444.25	21.88	21.89	-2.82	176.66	-494.01	945.10	906.79	38.31	24.668	
10,671.49	10,387.93	9,711.25	9,444.66	22.09	21.99	-2.86	176.50	-505.25	944.67	906.30	38.38	24.615	
10,700.00	10,387.59	9,725.00	9,444.80	22.37	22.12	-2.90	176.30	-519.00	944.02	905.57	38.45	24.551	
10,742.09	10,387.08	9,749.11	9,444.56	22.86	22.36	-2.96	175.95	-543.11	943.84	905.29	38.55	24.484	
10,800.00	10,386.38	9,807.01	9,443.98	23.53	22.95	-3.05	175.12	-601.00	943.80	905.07	38.73	24.367	
10,833.04	10,385.99	9,840.05	9,443.64	23.94	23.34	-3.07	174.64	-634.03	943.74	904.89	38.85	24.289	
10,900.00	10,385.18	9,907.01	9,442.96	24.81	24.14	-3.07	173.68	-700.98	943.62	904.50	39.12	24.124	
11,000.00	10,383.98	10,007.01	9,441.95	26.24	25.49	-3.07	172.24	-800.96	943.43	903.86	39.57	23.844	
11,100.00	10,382.78	10,107.01	9,440.94	27.78	26.97	-3.07	170.79	-900.95	943.24	903.16	40.08	23.535	
11,200.00	10,381.57	10,207.01	9,439.93	29.42	28.57	-3.07	169.35	-1,000.93	943.05	902.40	40.65	23.201	
11,300.00	10,380.37	10,307.01	9,438.91	31.14	30.26	-3.07	167.91	-1,100.92	942.86	901.59	41.27	22.848	
11,400.00	10,379.17	10,407.01	9,437.90	32.93	32.02	-3.07	166.47	-1,200.90	942.67	900.73	41.94	22.478	
11,500.00	10,377.97	10,507.01	9,436.89	34.78	33.86	-3.07	165.03	-1,300.89	942.48	899.82	42.66	22.094	
11,600.00	10,376.76	10,607.01	9,435.88	36.67	35.74	-3.07	163.59	-1,400.87	942.29	898.86	43.42	21.700	
11,700.00	10,375.56	10,707.01	9,434.86	38.61	37.67	-3.07	162.15	-1,500.85	942.10	897.86	44.23	21.298	
11,800.00	10,374.36	10,807.01	9,433.85	40.59	39.64	-3.07	160.71	-1,600.84	941.90	896.82	45.08	20.892	
11,900.00	10,373.16	10,907.01	9,432.84	42.60	41.64	-3.07	159.27	-1,700.82	941.71	895.74	45.97	20.484	
12,000.00	10,371.95	11,007.01	9,431.83	44.63	43.67	-3.07	157.83	-1,800.81	941.52	894.62	46.90	20.075	
12,100.00	10,370.75	11,107.00	9,430.81	46.69	45.72	-3.07	156.39	-1,900.79	941.33	893.47	47.86	19.668	
12,200.00	10,369.55	11,207.00	9,429.80	48.76	47.80	-3.07	154.94	-2,000.78	941.14	892.29	48.85	19.264	
12,300.00	10,368.35	11,307.00	9,428.79	50.86	49.89	-3.07	153.50	-2,100.76	940.95	891.07	49.88	18.865	
12,400.00	10,367.15	11,407.00	9,427.78	52.97	52.01	-3.07	152.06	-2,200.74	940.76	889.83	50.93	18.471	

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 701H
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:	701H	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)				
12,500.00	10,365.94	11,507.00	9,426.77	55.09	54.13	-3.07	150.62	-2,300.73	940.57	888.56	52.01	18.084		
12,600.00	10,364.74	11,607.00	9,425.75	57.23	56.27	-3.07	149.18	-2,400.71	940.38	887.27	53.12	17.704		
12,700.00	10,363.54	11,707.00	9,424.74	59.38	58.42	-3.07	147.74	-2,500.70	940.19	885.95	54.24	17.333		
12,800.00	10,362.34	11,807.00	9,423.73	61.54	60.58	-3.07	146.30	-2,600.68	940.00	884.61	55.40	16.969		
12,900.00	10,361.13	11,907.00	9,422.72	63.70	62.74	-3.07	144.86	-2,700.67	939.81	883.24	56.57	16.614		
13,000.00	10,359.93	12,007.00	9,421.70	65.88	64.92	-3.07	143.42	-2,800.65	939.62	881.86	57.76	16.268		
13,100.00	10,358.73	12,107.00	9,420.69	68.06	67.10	-3.07	141.98	-2,900.64	939.43	880.46	58.97	15.931		
13,200.00	10,357.53	12,207.00	9,419.68	70.25	69.29	-3.07	140.53	-3,000.62	939.24	879.04	60.20	15.603		
13,300.00	10,356.32	12,307.00	9,418.67	72.45	71.49	-3.07	139.09	-3,100.60	939.05	877.61	61.44	15.284		
13,400.00	10,355.12	12,407.00	9,417.65	74.65	73.69	-3.07	137.65	-3,200.59	938.86	876.16	62.70	14.974		
13,500.00	10,353.92	12,507.00	9,416.64	76.85	75.90	-3.07	136.21	-3,300.57	938.67	874.70	63.97	14.673		
13,600.00	10,352.72	12,607.00	9,415.63	79.06	78.11	-3.07	134.77	-3,400.56	938.48	873.22	65.26	14.381		
13,700.00	10,351.51	12,707.00	9,414.62	81.28	80.33	-3.07	133.33	-3,500.54	938.29	871.73	66.56	14.097		
13,800.00	10,350.31	12,807.00	9,413.61	83.49	82.54	-3.07	131.89	-3,600.53	938.10	870.23	67.87	13.822		
13,900.00	10,349.11	12,907.00	9,412.59	85.72	84.77	-3.07	130.45	-3,700.51	937.91	868.71	69.19	13.555		
14,000.00	10,347.91	13,007.00	9,411.58	87.94	86.99	-3.07	129.01	-3,800.49	937.72	867.19	70.53	13.296		
14,100.00	10,346.71	13,107.00	9,410.57	90.17	89.22	-3.07	127.57	-3,900.48	937.53	865.66	71.87	13.044		
14,200.00	10,345.50	13,207.00	9,409.56	92.40	91.46	-3.07	126.12	-4,000.46	937.34	864.11	73.23	12.801		
14,300.00	10,344.30	13,307.00	9,408.54	94.63	93.69	-3.07	124.68	-4,100.45	937.15	862.56	74.59	12.564		
14,400.00	10,343.10	13,407.00	9,407.53	96.87	95.93	-3.07	123.24	-4,200.43	936.96	861.00	75.96	12.335		
14,500.00	10,341.90	13,507.00	9,406.52	99.11	98.17	-3.07	121.80	-4,300.42	936.77	859.43	77.34	12.112		
14,600.00	10,340.69	13,607.00	9,405.51	101.35	100.41	-3.07	120.36	-4,400.40	936.58	857.85	78.73	11.896		
14,700.00	10,339.49	13,707.00	9,404.49	103.59	102.65	-3.07	118.92	-4,500.38	936.39	856.26	80.12	11.687		
14,800.00	10,338.29	13,807.00	9,403.48	105.84	104.90	-3.07	117.48	-4,600.37	936.20	854.67	81.52	11.484		
14,900.00	10,337.09	13,907.00	9,402.47	108.08	107.14	-3.07	116.04	-4,700.35	936.01	853.07	82.93	11.286		
15,000.00	10,335.88	14,007.00	9,401.46	110.33	109.39	-3.07	114.60	-4,800.34	935.82	851.47	84.35	11.095		
15,100.00	10,334.68	14,107.00	9,400.45	112.58	111.64	-3.07	113.16	-4,900.32	935.63	849.86	85.77	10.909		
15,200.00	10,333.48	14,207.00	9,399.43	114.83	113.90	-3.07	111.71	-5,000.31	935.44	848.24	87.19	10.728		
15,300.00	10,332.28	14,307.00	9,398.42	117.08	116.15	-3.07	110.27	-5,100.29	935.24	846.62	88.62	10.553		
15,400.00	10,331.07	14,407.00	9,397.41	119.34	118.40	-3.07	108.83	-5,200.27	935.05	844.99	90.06	10.382		
15,500.00	10,329.87	14,507.00	9,396.40	121.59	120.66	-3.07	107.39	-5,300.26	934.86	843.36	91.50	10.217		
15,600.00	10,328.67	14,607.00	9,395.38	123.85	122.91	-3.07	105.95	-5,400.24	934.67	841.73	92.95	10.056		
15,700.00	10,327.47	14,707.00	9,394.37	126.10	125.17	-3.07	104.51	-5,500.23	934.48	840.08	94.40	9.899		
15,794.62	10,326.33	14,801.62	9,393.41	127.48	127.31	-3.07	103.15	-5,594.84	934.30	838.86	95.45	9.789		

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 701H
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:	701H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 703H - OH - Plan 1 12-14-21													Offset Site Error:	0.00 usft	
Survey Program:		0-MWD+HRGM					Offset Wellbore Centre			Rule Assigned:				Offset Well Error:	1.00 usft
Measured Depth (usft)	Reference Vertical Depth (usft)	Measured Depth (usft)	Offset Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
0.00	0.00	0.00	0.00	1.00	1.00	180.00	-60.00	0.00	60.00						
100.00	100.00	100.00	100.00	1.09	1.09	180.00	-60.00	0.00	60.00	57.83	2.17	27.639			
200.00	200.00	200.00	200.00	1.60	1.60	180.00	-60.00	0.00	60.00	56.80	3.20	18.750			
300.00	300.00	300.00	300.00	2.01	2.01	180.00	-60.00	0.00	60.00	55.98	4.02	14.920			
400.00	400.00	400.00	400.00	2.35	2.35	180.00	-60.00	0.00	60.00	55.29	4.71	12.747			
500.00	500.00	500.00	500.00	2.65	2.65	180.00	-60.00	0.00	60.00	54.69	5.31	11.300			
600.00	600.00	600.00	600.00	2.93	2.93	180.00	-60.00	0.00	60.00	54.14	5.86	10.247			
700.00	700.00	700.00	700.00	3.18	3.18	180.00	-60.00	0.00	60.00	53.64	6.36	9.436			
800.00	800.00	800.00	800.00	3.41	3.41	180.00	-60.00	0.00	60.00	53.17	6.83	8.787			
900.00	900.00	900.00	900.00	3.64	3.64	180.00	-60.00	0.00	60.00	52.73	7.27	8.251			
1,000.00	1,000.00	1,000.00	1,000.00	3.85	3.85	180.00	-60.00	0.00	60.00	52.31	7.69	7.799			
1,100.00	1,100.00	1,100.00	1,100.00	4.05	4.05	180.00	-60.00	0.00	60.00	51.90	8.10	7.411			
1,200.00	1,200.00	1,200.00	1,200.00	4.24	4.24	180.00	-60.00	0.00	60.00	51.52	8.48	7.073			
1,300.00	1,300.00	1,300.00	1,300.00	4.43	4.43	180.00	-60.00	0.00	60.00	51.14	8.86	6.776			
1,400.00	1,400.00	1,400.00	1,400.00	4.61	4.61	180.00	-60.00	0.00	60.00	50.78	9.22	6.510			
1,500.00	1,500.00	1,500.00	1,500.00	4.78	4.78	180.00	-60.00	0.00	60.00	50.43	9.57	6.272			
1,600.00	1,600.00	1,600.00	1,600.00	4.95	4.95	180.00	-60.00	0.00	60.00	50.09	9.91	6.057			
1,700.00	1,700.00	1,700.00	1,700.00	5.12	5.12	180.00	-60.00	0.00	60.00	49.76	10.24	5.861			
1,800.00	1,800.00	1,800.00	1,800.00	5.28	5.28	180.00	-60.00	0.00	60.00	49.44	10.56	5.681			
1,900.00	1,900.00	1,900.00	1,900.00	5.44	5.44	180.00	-60.00	0.00	60.00	49.12	10.88	5.516			
2,000.00	2,000.00	2,000.00	2,000.00	5.59	5.59	180.00	-60.00	0.00	60.00	48.81	11.19	5.363			
2,100.00	2,100.00	2,100.00	2,100.00	5.75	5.75	180.00	-60.00	0.00	60.00	48.51	11.49	5.221			
2,200.00	2,200.00	2,200.00	2,200.00	5.89	5.89	180.00	-60.00	0.00	60.00	48.21	11.79	5.089			
2,300.00	2,300.00	2,300.00	2,300.00	6.04	6.04	180.00	-60.00	0.00	60.00	47.92	12.08	4.966			
2,400.00	2,400.00	2,400.00	2,400.00	6.19	6.19	180.00	-60.00	0.00	60.00	47.63	12.37	4.850			
2,500.00	2,500.00	2,500.00	2,500.00	6.33	6.33	180.00	-60.00	0.00	60.00	47.35	12.65	4.741			
2,600.00	2,600.00	2,600.00	2,600.00	6.47	6.47	180.00	-60.00	0.00	60.00	47.07	12.93	4.639			
2,700.00	2,700.00	2,700.00	2,700.00	6.61	6.61	180.00	-60.00	0.00	60.00	46.79	13.21	4.542			
2,800.00	2,800.00	2,800.00	2,800.00	6.74	6.74	180.00	-60.00	0.00	60.00	46.52	13.48	4.450			
2,900.00	2,900.00	2,900.00	2,900.00	6.88	6.88	180.00	-60.00	0.00	60.00	46.25	13.75	4.363			
3,000.00	3,000.00	3,000.00	3,000.00	7.01	7.01	180.00	-60.00	0.00	60.00	45.98	14.02	4.281			
3,100.00	3,100.00	3,100.00	3,100.00	7.14	7.14	180.00	-60.00	0.00	60.00	45.72	14.28	4.202			
3,200.00	3,200.00	3,200.00	3,200.00	7.27	7.27	180.00	-60.00	0.00	60.00	45.46	14.54	4.127			
3,300.00	3,300.00	3,300.00	3,300.00	7.40	7.40	180.00	-60.00	0.00	60.00	45.21	14.79	4.056			
3,400.00	3,400.00	3,400.00	3,400.00	7.52	7.52	180.00	-60.00	0.00	60.00	44.95	15.05	3.987			
3,500.00	3,500.00	3,500.00	3,500.00	7.65	7.65	180.00	-60.00	0.00	60.00	44.70	15.30	3.921			
3,600.00	3,600.00	3,600.00	3,600.00	7.77	7.77	180.00	-60.00	0.00	60.00	44.45	15.55	3.859			
3,700.00	3,700.00	3,700.00	3,700.00	7.90	7.90	180.00	-60.00	0.00	60.00	44.20	15.80	3.798			
3,800.00	3,800.00	3,800.00	3,800.00	8.02	8.02	180.00	-60.00	0.00	60.00	43.96	16.04	3.740			
3,900.00	3,900.00	3,900.00	3,900.00	8.14	8.14	180.00	-60.00	0.00	60.00	43.72	16.28	3.685			
4,000.00	4,000.00	4,000.00	4,000.00	8.26	8.26	180.00	-60.00	0.00	60.00	43.47	16.53	3.631 CC, ES, SF			
4,100.00	4,099.98	4,099.98	4,099.98	8.49	8.38	180.00	-60.00	0.00	61.75	44.87	16.87	3.660			
4,150.00	4,149.93	4,148.84	4,148.83	8.57	8.44	-180.00	-60.42	0.00	64.35	47.35	17.01	3.784			
4,200.00	4,199.86	4,197.56	4,197.54	8.62	8.49	-180.00	-61.66	0.00	68.24	51.14	17.10	3.990			
4,300.00	4,299.73	4,294.54	4,294.40	8.75	8.83	-180.00	-66.60	0.00	78.56	61.00	17.56	4.474			
4,400.00	4,399.59	4,390.74	4,390.25	8.90	9.18	-180.00	-74.74	0.00	92.23	74.19	18.03	5.114			
4,500.00	4,499.45	4,485.95	4,484.79	9.06	9.52	-180.00	-85.96	0.00	109.19	90.68	18.51	5.900			
4,600.00	4,599.31	4,579.98	4,577.74	9.24	9.87	-180.00	-100.11	0.00	129.40	110.42	18.99	6.816			
4,700.00	4,699.18	4,672.64	4,668.84	9.42	10.22	-180.00	-117.04	0.00	152.80	133.33	19.47	7.849			
4,800.00	4,799.04	4,767.77	4,761.91	9.61	10.48	-180.00	-136.70	0.00	178.55	158.64	19.91	8.968			
4,900.00	4,898.90	4,864.36	4,856.38	9.81	10.67	-180.00	-156.79	0.00	204.43	184.14	20.30	10.072			
5,000.00	4,998.77	4,960.95	4,950.86	10.01	10.84	-180.00	-176.87	0.00	230.32	209.64	20.68	11.137			

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 701H
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:	701H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 703H - OH - Plan 1 12-14-21												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM												Offset Well Error:	1.00 usft
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	
5,100.00	5,098.63	5,057.54	5,045.34	10.23	11.03	-180.00	-196.96	0.00	256.21	235.12	21.09	12.148	
5,200.00	5,198.49	5,154.13	5,139.82	10.45	11.24	-180.00	-217.05	0.00	282.10	260.58	21.52	13.108	
5,300.00	5,298.36	5,250.72	5,234.30	10.67	11.46	-180.00	-237.14	-0.01	307.99	286.02	21.97	14.016	
5,400.00	5,398.22	5,347.31	5,328.78	10.91	11.70	-180.00	-257.23	-0.01	333.88	311.43	22.45	14.873	
5,500.00	5,498.08	5,443.90	5,423.26	11.15	11.94	-180.00	-277.32	-0.01	359.77	336.83	22.94	15.683	
5,600.00	5,597.94	5,540.49	5,517.73	11.39	12.20	-180.00	-297.41	-0.01	385.66	362.21	23.45	16.446	
5,700.00	5,697.81	5,637.08	5,612.21	11.64	12.48	-180.00	-317.50	-0.01	411.55	387.57	23.98	17.164	
5,800.00	5,797.67	5,733.67	5,706.69	11.90	12.76	-180.00	-337.59	-0.01	437.43	412.92	24.52	17.840	
5,900.00	5,897.53	5,830.26	5,801.17	12.15	13.05	-180.00	-357.68	-0.01	463.32	438.25	25.08	18.477	
6,000.00	5,997.40	5,926.85	5,895.65	12.42	13.35	-180.00	-377.77	-0.01	489.21	463.57	25.65	19.075	
6,100.00	6,097.26	6,023.44	5,990.13	12.68	13.67	-180.00	-397.86	-0.01	515.10	488.87	26.23	19.638	
6,200.00	6,197.12	6,120.03	6,084.61	12.95	13.98	-180.00	-417.95	-0.01	540.99	514.17	26.82	20.168	
6,300.00	6,296.99	6,216.63	6,179.08	13.23	14.31	-180.00	-438.03	-0.01	566.88	539.45	27.43	20.666	
6,400.00	6,396.85	6,313.22	6,273.56	13.51	14.65	-180.00	-458.12	-0.01	592.77	564.72	28.05	21.135	
6,500.00	6,496.71	6,409.81	6,368.04	13.79	14.99	-180.00	-478.21	-0.01	618.66	589.98	28.67	21.576	
6,600.00	6,596.57	6,506.40	6,462.52	14.07	15.33	-180.00	-498.30	-0.01	644.55	615.24	29.31	21.992	
6,700.00	6,696.44	6,602.99	6,557.00	14.35	15.69	-180.00	-518.39	-0.01	670.44	640.48	29.95	22.383	
6,800.00	6,796.30	6,699.58	6,651.48	14.64	16.05	-180.00	-538.48	-0.01	696.32	665.72	30.60	22.753	
6,900.00	6,896.16	6,796.17	6,745.95	14.93	16.41	-180.00	-558.57	-0.01	722.21	690.95	31.26	23.101	
7,000.00	6,996.03	6,892.76	6,840.43	15.23	16.78	-180.00	-578.66	-0.02	748.10	716.17	31.93	23.430	
7,100.00	7,095.89	6,989.35	6,934.91	15.52	17.15	-180.00	-598.75	-0.02	773.99	741.39	32.60	23.740	
7,200.00	7,195.75	7,085.94	7,029.39	15.82	17.53	-180.00	-618.84	-0.02	799.88	766.60	33.28	24.034	
7,300.00	7,295.61	7,182.53	7,123.87	16.12	17.91	-180.00	-638.93	-0.02	825.77	791.80	33.97	24.311	
7,400.00	7,395.48	7,279.12	7,218.35	16.42	18.29	-180.00	-659.02	-0.02	851.66	817.00	34.66	24.574	
7,500.00	7,495.34	7,375.71	7,312.83	16.72	18.68	-180.00	-679.11	-0.02	877.55	842.20	35.35	24.823	
7,600.00	7,595.20	7,472.30	7,407.30	17.02	19.07	-180.00	-699.19	-0.02	903.44	867.38	36.05	25.059	
7,700.00	7,695.07	7,568.90	7,501.78	17.33	19.47	-180.00	-719.28	-0.02	929.32	892.57	36.76	25.283	
7,800.00	7,794.93	7,665.49	7,596.26	17.63	19.87	-180.00	-739.37	-0.02	955.21	917.75	37.47	25.496	
7,870.00	7,864.83	7,733.10	7,662.40	17.84	20.14	-180.00	-753.44	-0.02	973.34	935.38	37.95	25.645	
7,900.00	7,894.80	7,762.12	7,690.78	17.92	20.27	-180.00	-759.47	-0.02	980.95	942.79	38.16	25.707	
8,000.00	7,994.77	7,859.39	7,785.92	18.23	20.67	-180.00	-779.70	-0.02	1,004.13	965.25	38.88	25.828	
8,020.00	8,014.76	7,878.94	7,805.04	18.25	20.75	-180.00	-783.77	-0.02	1,008.36	969.37	38.98	25.865	
8,100.00	8,094.76	7,957.19	7,881.58	18.30	21.08	-180.00	-800.04	-0.02	1,025.00	985.63	39.37	26.033	
8,200.00	8,194.76	8,055.00	7,977.26	18.37	21.49	-180.00	-820.39	-0.02	1,045.80	1,005.93	39.87	26.231	
8,300.00	8,294.76	8,152.81	8,072.93	18.44	21.91	-180.00	-840.73	-0.02	1,066.59	1,026.22	40.37	26.421	
8,400.00	8,394.76	8,250.63	8,168.61	18.51	22.33	-180.00	-861.07	-0.02	1,087.39	1,046.52	40.87	26.604	
8,500.00	8,494.77	8,348.44	8,264.28	18.58	22.74	-180.00	-881.42	-0.02	1,108.19	1,066.81	41.38	26.782	
8,600.00	8,594.77	8,446.25	8,359.95	18.64	23.17	-180.00	-901.76	-0.02	1,128.99	1,087.10	41.89	26.954	
8,700.00	8,694.77	8,544.07	8,455.63	18.71	23.59	-180.00	-922.10	-0.03	1,149.79	1,107.39	42.39	27.121	
8,800.00	8,794.77	8,641.88	8,551.30	18.78	24.01	-180.00	-942.45	-0.03	1,170.59	1,127.68	42.91	27.283	
8,900.00	8,894.77	8,739.69	8,646.98	18.85	24.44	-180.00	-962.79	-0.03	1,191.38	1,147.97	43.42	27.440	
9,000.00	8,994.77	8,837.51	8,742.65	18.92	24.87	-180.00	-983.13	-0.03	1,212.18	1,168.25	43.93	27.592	
9,100.00	9,094.77	8,935.32	8,838.33	18.99	25.29	-180.00	-1,003.48	-0.03	1,232.98	1,188.53	44.45	27.739	
9,200.00	9,194.77	9,033.13	8,934.00	19.06	25.72	-180.00	-1,023.82	-0.03	1,253.78	1,208.81	44.97	27.882	
9,300.00	9,294.77	9,130.95	9,029.67	19.13	26.16	-180.00	-1,044.16	-0.03	1,274.58	1,229.09	45.49	28.021	
9,400.00	9,394.77	9,228.76	9,125.35	19.20	26.59	-180.00	-1,064.51	-0.03	1,295.38	1,249.37	46.01	28.155	
9,500.00	9,494.77	9,345.12	9,239.23	19.27	27.11	-180.00	-1,084.83	-0.03	1,316.02	1,269.39	46.63	28.220	
9,600.00	9,594.77	9,528.63	9,420.26	19.34	28.01	-180.00	-1,118.27	-0.03	1,332.29	1,284.68	47.62	27.979	
9,700.00	9,694.77	9,715.29	9,605.97	19.42	28.87	-180.00	-1,136.68	-0.03	1,342.16	1,293.69	48.47	27.691	
9,800.00	9,794.77	9,903.57	9,794.12	19.49	29.37	-180.00	-1,142.96	-0.03	1,345.50	1,296.64	48.86	27.538	
9,900.00	9,894.77	10,004.22	9,894.77	19.56	29.42	-180.00	-1,142.96	-0.03	1,345.50	1,296.52	48.98	27.471	
9,902.62	9,897.39	10,006.84	9,897.39	19.56	29.42	-180.00	-1,142.96	-0.03	1,345.50	1,296.52	48.98	27.470	

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 701H
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:	701H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 703H - OH - Plan 1 12-14-21													Offset Site Error:	0.00 usft
Survey Program:		0-MWD+HRGM				Rule Assigned:			Offset Well Error:		1.00 usft			
Reference	Offset	Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Distance		Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
9,915.74	9,910.50	10,019.95	9,910.50	19.56	29.42	-180.00	-1,142.96	-0.03	1,345.50	1,296.51	48.99	27.467		
9,925.00	9,919.76	10,029.08	9,919.63	19.56	29.42	-92.40	-1,142.96	-0.12	1,345.50	1,296.51	48.99	27.466		
9,950.00	9,944.74	10,053.72	9,944.24	19.57	29.42	-92.39	-1,142.96	-1.23	1,345.56	1,296.56	49.00	27.463		
9,975.00	9,969.61	10,078.36	9,968.76	19.58	29.43	-92.38	-1,142.97	-3.60	1,345.67	1,296.67	49.00	27.460		
10,000.00	9,994.33	10,103.00	9,993.13	19.59	29.43	-92.36	-1,142.99	-7.24	1,345.85	1,296.83	49.01	27.458		
10,025.00	10,018.81	10,127.65	10,017.28	19.60	29.43	-92.34	-1,143.02	-12.13	1,346.08	1,297.06	49.03	27.457		
10,050.00	10,043.00	10,152.29	10,041.15	19.61	29.43	-92.30	-1,143.05	-18.26	1,346.38	1,297.34	49.04	27.456		
10,075.00	10,066.83	10,176.94	10,064.68	19.62	29.44	-92.27	-1,143.09	-25.61	1,346.73	1,297.68	49.05	27.455		
10,100.00	10,090.23	10,201.60	10,087.80	19.64	29.44	-92.22	-1,143.13	-34.17	1,347.15	1,298.08	49.07	27.453		
10,125.00	10,113.13	10,226.26	10,110.45	19.66	29.45	-92.17	-1,143.18	-43.92	1,347.62	1,298.53	49.09	27.451		
10,150.00	10,135.48	10,250.93	10,132.57	19.68	29.46	-92.11	-1,143.24	-54.82	1,348.14	1,299.03	49.12	27.449		
10,175.00	10,157.21	10,275.60	10,154.11	19.71	29.47	-92.05	-1,143.30	-66.85	1,348.73	1,299.58	49.14	27.444		
10,200.00	10,178.27	10,300.28	10,175.00	19.74	29.48	-91.98	-1,143.37	-79.99	1,349.36	1,300.18	49.18	27.437		
10,225.00	10,198.59	10,325.00	10,195.21	19.78	29.49	-91.91	-1,143.44	-94.21	1,350.04	1,300.82	49.22	27.427		
10,250.00	10,218.12	10,349.67	10,214.63	19.82	29.51	-91.83	-1,143.52	-109.43	1,350.78	1,301.50	49.28	27.413		
10,275.00	10,236.81	10,374.38	10,233.26	19.87	29.53	-91.75	-1,143.61	-125.65	1,351.56	1,302.22	49.34	27.394		
10,300.00	10,254.61	10,399.10	10,251.04	19.92	29.55	-91.66	-1,143.70	-142.82	1,352.38	1,302.97	49.41	27.369		
10,325.00	10,271.46	10,423.83	10,267.91	19.99	29.58	-91.57	-1,143.79	-160.90	1,353.25	1,303.75	49.50	27.337		
10,350.00	10,287.32	10,448.57	10,283.83	20.06	29.62	-91.47	-1,143.89	-179.84	1,354.16	1,304.55	49.61	27.297		
10,375.00	10,302.15	10,473.33	10,298.75	20.14	29.66	-91.37	-1,143.99	-199.59	1,355.10	1,305.37	49.73	27.248		
10,400.00	10,315.91	10,498.10	10,312.64	20.24	29.71	-91.26	-1,144.10	-220.10	1,356.08	1,306.21	49.87	27.190		
10,425.00	10,328.55	10,522.88	10,325.45	20.34	29.77	-91.15	-1,144.21	-241.31	1,357.10	1,307.06	50.04	27.121		
10,450.00	10,340.05	10,547.68	10,337.15	20.46	29.84	-91.04	-1,144.32	-263.17	1,358.14	1,307.92	50.23	27.040		
10,475.00	10,350.37	10,572.50	10,347.71	20.59	29.91	-90.93	-1,144.44	-285.62	1,359.21	1,308.77	50.44	26.948		
10,500.00	10,359.49	10,597.33	10,357.09	20.73	30.00	-90.81	-1,144.56	-308.61	1,360.31	1,309.63	50.68	26.844		
10,525.00	10,367.37	10,622.18	10,365.28	20.89	30.10	-90.69	-1,144.68	-332.07	1,361.42	1,310.49	50.94	26.727		
10,550.00	10,374.01	10,647.04	10,372.23	21.06	30.21	-90.57	-1,144.80	-355.94	1,362.56	1,311.33	51.23	26.599		
10,575.00	10,379.37	10,671.93	10,377.93	21.25	30.33	-90.45	-1,144.93	-380.16	1,363.71	1,312.17	51.54	26.459		
10,600.00	10,383.45	10,696.83	10,382.37	21.45	30.47	-90.32	-1,145.06	-404.66	1,364.87	1,312.99	51.88	26.309		
10,625.00	10,386.23	10,721.75	10,385.53	21.66	30.61	-90.20	-1,145.18	-429.38	1,366.03	1,313.79	52.24	26.148		
10,650.00	10,387.71	10,746.70	10,387.39	21.88	30.77	-90.08	-1,145.31	-454.25	1,367.21	1,314.58	52.63	25.979		
10,671.49	10,387.93	10,768.15	10,387.96	22.09	30.91	-89.97	-1,145.42	-475.69	1,368.22	1,315.24	52.98	25.827		
10,700.00	10,387.59	10,796.64	10,387.67	22.37	31.11	-89.98	-1,145.57	-504.18	1,369.42	1,315.96	53.46	25.614		
10,800.00	10,386.38	10,896.62	10,386.47	23.53	31.93	-90.00	-1,146.09	-604.15	1,371.39	1,315.94	55.44	24.734		
10,833.04	10,385.99	10,929.66	10,386.07	23.94	32.25	-90.01	-1,146.26	-637.19	1,371.27	1,315.10	56.17	24.415		
10,900.00	10,385.18	10,996.61	10,385.27	24.81	32.90	-90.01	-1,146.61	-704.14	1,370.64	1,312.96	57.68	23.763		
11,000.00	10,383.98	11,096.61	10,384.06	26.24	34.01	-90.01	-1,147.13	-804.12	1,369.71	1,309.53	60.18	22.760		
11,100.00	10,382.78	11,196.60	10,382.86	27.78	35.23	-90.01	-1,147.65	-904.11	1,368.78	1,305.87	62.91	21.756		
11,200.00	10,381.57	11,296.60	10,381.65	29.42	36.55	-90.01	-1,148.17	-1,004.10	1,367.85	1,302.00	65.85	20.772		
11,300.00	10,380.37	11,396.59	10,380.45	31.14	37.97	-90.01	-1,148.68	-1,104.08	1,366.92	1,297.95	68.96	19.822		
11,400.00	10,379.17	11,496.59	10,379.24	32.93	39.47	-90.01	-1,149.20	-1,204.07	1,365.98	1,293.76	72.23	18.913		
11,500.00	10,377.97	11,596.59	10,378.04	34.78	41.04	-90.01	-1,149.72	-1,304.06	1,365.05	1,289.43	75.62	18.051		
11,600.00	10,376.76	11,696.58	10,376.84	36.67	42.67	-90.01	-1,150.24	-1,404.04	1,364.12	1,284.98	79.14	17.237		
11,700.00	10,375.56	11,796.58	10,375.63	38.61	44.36	-90.01	-1,150.76	-1,504.03	1,363.19	1,280.43	82.75	16.473		
11,800.00	10,374.36	11,896.57	10,374.43	40.59	46.10	-90.01	-1,151.28	-1,604.02	1,362.25	1,275.80	86.46	15.756		
11,900.00	10,373.16	11,996.57	10,373.22	42.60	47.89	-90.01	-1,151.80	-1,704.01	1,361.32	1,271.08	90.24	15.086		
12,000.00	10,371.95	12,096.56	10,372.02	44.63	49.71	-90.01	-1,152.32	-1,803.99	1,360.39	1,266.30	94.09	14.458		
12,100.00	10,370.75	12,196.56	10,370.82	46.69	51.57	-90.01	-1,152.83	-1,903.98	1,359.46	1,261.45	98.00	13.871		
12,200.00	10,369.55	12,296.56	10,369.61	48.76	53.47	-90.01	-1,153.35	-2,003.97	1,358.53	1,256.55	101.97	13.323		
12,300.00	10,368.35	12,396.55	10,368.41	50.86	55.39	-90.01	-1,153.87	-2,103.95	1,357.59	1,251.61	105.99	12.809		
12,400.00	10,367.15	12,496.55	10,367.20	52.97	57.34	-90.01	-1,154.39	-2,203.94	1,356.66	1,246.62	110.04	12.328		
12,500.00	10,365.94	12,596.54	10,366.00	55.09	59.31	-90.01	-1,154.91	-2,303.93	1,355.73	1,241.59	114.14	11.878		

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 701H
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:	701H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 703H - OH - Plan 1 12-14-21												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM												Offset Well Error:	1.00 usft
Reference		Offset		Semi Major Axis		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	10,364.74	12,696.54	10,364.80	57.23	61.30	-90.01	-1,155.43	-2,403.92	1,354.80	1,236.53	118.27	11.455	
12,700.00	10,363.54	12,796.53	10,363.59	59.38	63.31	-90.01	-1,155.95	-2,503.90	1,353.87	1,231.43	122.43	11.058	
12,800.00	10,362.34	12,896.53	10,362.39	61.54	65.34	-90.01	-1,156.47	-2,603.89	1,352.93	1,226.31	126.62	10.685	
12,900.00	10,361.13	12,996.53	10,361.18	63.70	67.39	-90.01	-1,156.98	-2,703.88	1,352.00	1,221.16	130.84	10.333	
13,000.00	10,359.93	13,096.52	10,359.98	65.88	69.45	-90.01	-1,157.50	-2,803.86	1,351.07	1,215.99	135.08	10.002	
13,100.00	10,358.73	13,196.52	10,358.77	68.06	71.52	-90.01	-1,158.02	-2,903.85	1,350.14	1,210.80	139.34	9.690	
13,200.00	10,357.53	13,296.51	10,357.57	70.25	73.61	-90.01	-1,158.54	-3,003.84	1,349.20	1,205.59	143.62	9.395	
13,300.00	10,356.32	13,396.51	10,356.37	72.45	75.71	-90.01	-1,159.06	-3,103.82	1,348.27	1,200.36	147.91	9.115	
13,400.00	10,355.12	13,496.50	10,355.16	74.65	77.82	-90.01	-1,159.58	-3,203.81	1,347.34	1,195.12	152.22	8.851	
13,500.00	10,353.92	13,596.50	10,353.96	76.85	79.94	-90.01	-1,160.10	-3,303.80	1,346.41	1,189.86	156.55	8.600	
13,600.00	10,352.72	13,696.50	10,352.75	79.06	82.06	-90.01	-1,160.62	-3,403.79	1,345.48	1,184.58	160.89	8.363	
13,700.00	10,351.51	13,796.49	10,351.55	81.28	84.20	-90.01	-1,161.13	-3,503.77	1,344.54	1,179.30	165.24	8.137	
13,800.00	10,350.31	13,896.49	10,350.35	83.49	86.34	-90.01	-1,161.65	-3,603.76	1,343.61	1,174.00	169.61	7.922	
13,900.00	10,349.11	13,996.48	10,349.14	85.72	88.49	-90.01	-1,162.17	-3,703.75	1,342.68	1,168.69	173.98	7.717	
14,000.00	10,347.91	14,096.48	10,347.94	87.94	90.65	-90.01	-1,162.69	-3,803.73	1,341.75	1,163.38	178.37	7.522	
14,100.00	10,346.71	14,196.47	10,346.73	90.17	92.81	-90.01	-1,163.21	-3,903.72	1,340.82	1,158.05	182.76	7.336	
14,200.00	10,345.50	14,296.47	10,345.53	92.40	94.98	-90.01	-1,163.73	-4,003.71	1,339.88	1,152.72	187.17	7.159	
14,300.00	10,344.30	14,396.46	10,344.33	94.63	97.16	-90.01	-1,164.25	-4,103.70	1,338.95	1,147.37	191.58	6.989	
14,400.00	10,343.10	14,496.46	10,343.12	96.87	99.33	-90.01	-1,164.77	-4,203.68	1,338.02	1,142.02	196.00	6.827	
14,500.00	10,341.90	14,596.46	10,341.92	99.11	101.52	-90.01	-1,165.28	-4,303.67	1,337.09	1,136.66	200.42	6.671	
14,600.00	10,340.69	14,696.45	10,340.71	101.35	103.71	-90.01	-1,165.80	-4,403.66	1,336.15	1,131.30	204.85	6.522	
14,700.00	10,339.49	14,796.45	10,339.51	103.59	105.90	-90.01	-1,166.32	-4,503.64	1,335.22	1,125.93	209.29	6.380	
14,800.00	10,338.29	14,896.44	10,338.31	105.84	108.10	-90.01	-1,166.84	-4,603.63	1,334.29	1,120.56	213.73	6.243	
14,900.00	10,337.09	14,996.44	10,337.10	108.08	110.30	-90.01	-1,167.36	-4,703.62	1,333.36	1,115.17	218.18	6.111	
15,000.00	10,335.88	15,096.43	10,335.90	110.33	112.50	-90.01	-1,167.88	-4,803.60	1,332.43	1,109.79	222.64	5.985	
15,100.00	10,334.68	15,196.43	10,334.69	112.58	114.71	-90.01	-1,168.40	-4,903.59	1,331.49	1,104.40	227.10	5.863	
15,200.00	10,333.48	15,296.43	10,333.49	114.83	116.91	-90.01	-1,168.92	-5,003.58	1,330.56	1,099.00	231.56	5.746	
15,300.00	10,332.28	15,396.42	10,332.28	117.08	119.13	-90.01	-1,169.43	-5,103.57	1,329.63	1,093.60	236.03	5.633	
15,400.00	10,331.07	15,496.42	10,331.08	119.34	121.34	-90.01	-1,169.95	-5,203.55	1,328.70	1,088.20	240.50	5.525	
15,500.00	10,329.87	15,596.41	10,329.88	121.59	123.56	-90.01	-1,170.47	-5,303.54	1,327.76	1,082.79	244.97	5.420	
15,600.00	10,328.67	15,696.41	10,328.67	123.85	125.78	-90.01	-1,170.99	-5,403.53	1,326.83	1,077.38	249.45	5.319	
15,700.00	10,327.47	15,796.40	10,327.47	126.10	128.00	-90.01	-1,171.51	-5,503.51	1,325.90	1,071.97	253.94	5.221	
15,794.62	10,326.33	15,890.90	10,326.33	127.48	129.40	-90.01	-1,172.00	-5,598.00	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 701H
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:	701H	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	-75.59	1,305.85	-5,081.75	5,247.20					
100.00	100.00	33.10	94.10	1.09	0.03	-75.59	1,305.85	-5,081.77	5,246.87	5,245.75	1.12	4,698.036		
200.00	200.00	117.96	178.96	1.60	0.11	-75.59	1,305.82	-5,082.00	5,247.13	5,245.41	1.71	3,065.470		
300.00	300.00	204.19	265.19	2.01	0.25	-75.59	1,305.68	-5,082.52	5,247.66	5,245.40	2.26	2,319.012		
400.00	400.00	291.63	352.62	2.35	0.45	-75.60	1,304.98	-5,083.40	5,248.45	5,245.65	2.80	1,874.567		
500.00	500.00	376.58	437.56	2.65	0.63	-75.62	1,303.97	-5,084.57	5,249.49	5,246.20	3.28	1,599.168		
600.00	600.00	460.53	521.50	2.93	0.81	-75.63	1,303.41	-5,085.88	5,250.83	5,247.10	3.73	1,407.108		
700.00	700.00	578.84	639.79	3.18	1.04	-75.63	1,303.11	-5,087.63	5,252.21	5,247.99	4.22	1,244.571		
800.00	800.00	678.99	739.94	3.41	1.25	-75.64	1,302.91	-5,088.76	5,253.25	5,248.59	4.66	1,127.691		
900.00	900.00	758.99	819.92	3.64	1.42	-75.64	1,302.80	-5,089.89	5,254.58	5,249.53	5.05	1,041.228		
1,000.00	1,000.00	857.81	918.74	3.85	1.62	-75.65	1,302.67	-5,091.56	5,256.19	5,250.73	5.46	961.947		
1,100.00	1,100.00	969.68	1,030.59	4.05	1.86	-75.66	1,302.34	-5,093.29	5,257.62	5,251.72	5.90	891.174		
1,200.00	1,200.00	1,077.57	1,138.47	4.24	2.05	-75.66	1,302.38	-5,094.67	5,258.87	5,252.58	6.28	836.771		
1,300.00	1,300.00	1,181.80	1,242.69	4.43	2.16	-75.66	1,302.48	-5,095.83	5,259.97	5,253.39	6.58	799.639		
1,400.00	1,400.00	1,277.98	1,338.83	4.61	2.24	-75.69	1,300.49	-5,097.46	5,261.09	5,254.26	6.84	769.275		
1,500.00	1,500.00	1,415.79	1,476.35	4.78	2.43	-75.78	1,292.49	-5,100.89	5,262.14	5,254.93	7.21	729.968		
1,600.00	1,600.00	1,565.16	1,624.59	4.95	2.74	-75.98	1,274.81	-5,105.04	5,261.86	5,254.17	7.69	684.553		
1,700.00	1,700.00	1,650.82	1,709.37	5.12	2.96	-76.11	1,262.83	-5,107.73	5,261.53	5,253.45	8.08	650.997		
1,758.62	1,758.62	1,700.98	1,758.98	5.21	3.10	-76.19	1,255.68	-5,109.45	5,261.48	5,253.17	8.31	633.001		
1,800.00	1,800.00	1,739.69	1,797.27	5.28	3.22	-76.26	1,250.09	-5,110.83	5,261.49	5,253.00	8.50	619.271		
1,900.00	1,900.00	1,837.91	1,894.38	5.44	3.53	-76.42	1,235.87	-5,114.37	5,261.57	5,252.60	8.97	586.613		
2,000.00	2,000.00	1,935.86	1,991.23	5.59	3.86	-76.57	1,221.63	-5,117.92	5,261.71	5,252.26	9.45	556.872		
2,100.00	2,100.00	2,033.40	2,087.69	5.75	4.20	-76.73	1,207.57	-5,121.45	5,261.91	5,251.97	9.94	529.238		
2,200.00	2,200.00	2,135.65	2,188.84	5.89	4.56	-76.90	1,193.09	-5,125.11	5,262.16	5,251.70	10.46	503.289		
2,300.00	2,300.00	2,244.89	2,297.06	6.04	4.96	-77.06	1,178.60	-5,128.61	5,262.29	5,251.29	11.00	478.452		
2,400.00	2,400.00	2,402.97	2,453.96	6.19	5.53	-77.27	1,159.71	-5,132.29	5,261.96	5,250.24	11.71	449.166		
2,500.00	2,500.00	2,533.97	2,584.23	6.33	6.00	-77.42	1,145.92	-5,133.46	5,260.48	5,248.15	12.33	426.696		
2,600.00	2,600.00	2,638.24	2,688.00	6.47	6.38	-77.52	1,135.84	-5,133.96	5,258.84	5,246.00	12.84	409.492		
2,700.00	2,700.00	2,719.65	2,769.07	6.61	6.67	-77.61	1,128.35	-5,134.34	5,257.32	5,244.04	13.27	396.048		
2,800.00	2,800.00	2,797.29	2,846.38	6.74	6.95	-77.68	1,121.23	-5,135.03	5,256.22	5,242.53	13.69	383.908		
2,900.00	2,900.00	2,919.88	2,968.46	6.88	7.39	-77.80	1,110.13	-5,136.32	5,255.37	5,241.10	14.27	368.316		
3,000.00	3,000.00	3,089.87	3,137.83	7.01	8.01	-77.96	1,095.68	-5,135.96	5,253.34	5,238.33	15.01	349.947		
3,100.00	3,100.00	3,245.32	3,292.77	7.14	8.56	-78.08	1,083.28	-5,133.62	5,250.21	5,234.51	15.70	334.498		
3,200.00	3,200.00	3,406.89	3,453.80	7.27	9.14	-78.21	1,070.95	-5,129.20	5,245.95	5,229.56	16.39	319.983		
3,300.00	3,300.00	3,494.76	3,541.38	7.40	9.45	-78.27	1,064.45	-5,126.41	5,241.32	5,224.48	16.84	311.329		
3,400.00	3,400.00	3,590.73	3,637.06	7.52	9.79	-78.34	1,057.51	-5,123.38	5,236.75	5,219.45	17.30	302.645		
3,500.00	3,500.00	3,666.44	3,712.55	7.65	10.06	-78.39	1,052.28	-5,121.12	5,232.43	5,214.73	17.70	295.631		
3,600.00	3,600.00	3,739.51	3,785.46	7.77	10.32	-78.43	1,047.64	-5,119.24	5,228.63	5,210.54	18.08	289.121		
3,700.00	3,700.00	3,808.67	3,854.47	7.90	10.57	-78.48	1,043.40	-5,117.80	5,225.36	5,206.90	18.46	283.103		
3,800.00	3,800.00	3,867.00	3,912.62	8.02	10.78	-78.52	1,038.91	-5,117.13	5,222.74	5,203.95	18.79	277.914		
3,900.00	3,900.00	3,961.00	4,006.09	8.14	11.14	-78.63	1,029.02	-5,117.15	5,220.67	5,201.39	19.27	270.899		
4,000.00	4,000.00	4,039.04	4,083.48	8.26	11.44	-78.74	1,018.97	-5,117.83	5,218.95	5,199.25	19.70	264.928		
4,100.00	4,099.98	4,100.68	4,144.53	8.49	11.69	-78.87	1,010.53	-5,118.69	5,217.34	5,197.27	20.07	259.976		
4,150.00	4,149.93	4,128.24	4,171.79	8.57	11.80	-78.95	1,006.54	-5,119.30	5,216.60	5,196.38	20.22	258.055		
4,200.00	4,199.86	4,149.00	4,192.31	8.62	11.88	-78.99	1,003.43	-5,119.85	5,216.01	5,195.67	20.33	256.555		
4,287.19	4,286.94	4,180.83	4,223.71	8.73	12.02	-79.07	998.37	-5,121.01	5,215.69	5,195.13	20.56	253.730		
4,300.00	4,299.73	4,184.91	4,227.74	8.75	12.03	-79.08	997.68	-5,121.20	5,215.73	5,195.14	20.59	253.357		
4,400.00	4,399.59	4,243.00	4,284.74	8.90	12.28	-79.23	987.10	-5,124.71	5,216.99	5,196.04	20.94	249.096		
4,500.00	4,499.45	4,243.00	4,284.74	9.06	12.28	-79.23	987.10	-5,124.71	5,219.17	5,198.12	21.05	247.926		
4,600.00	4,599.31	4,278.86	4,319.76	9.24	12.43	-79.33	980.00	-5,127.67	5,222.88	5,201.57	21.32	245.032		
4,700.00	4,699.18	4,337.00	4,376.37	9.42	12.68	-79.50	968.18	-5,133.66	5,228.17	5,206.49	21.68	241.184		
4,800.00	4,799.04	4,337.00	4,376.37	9.61	12.68	-79.50	968.18	-5,133.66	5,234.35	5,212.58	21.77	240.387		

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 701H
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:	701H	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
4,900.00	4,998.90	4,386.14	4,424.08	9.81	12.89	-79.65	958.00	-5,139.61	5,241.94	5,219.84	22.09	237.247	
5,000.00	4,998.77	4,431.00	4,467.56	10.01	13.09	-79.79	948.69	-5,145.51	5,250.61	5,228.22	22.39	234.466	
5,100.00	5,098.63	4,517.26	4,551.04	10.23	13.47	-80.05	930.54	-5,157.39	5,259.98	5,237.10	22.89	229.819	
5,200.00	5,198.49	4,632.44	4,662.50	10.45	13.98	-80.41	906.13	-5,173.14	5,269.39	5,245.87	23.52	224.043	
5,300.00	5,298.36	4,936.42	4,958.41	10.67	15.33	-81.28	845.64	-5,207.11	5,276.40	5,251.38	25.02	210.868	
5,400.00	5,398.22	5,031.10	5,050.63	10.91	15.76	-81.56	826.13	-5,216.04	5,282.10	5,256.54	25.56	206.649	
5,500.00	5,498.08	5,112.96	5,130.29	11.15	16.13	-81.80	809.02	-5,223.92	5,288.10	5,262.06	26.04	203.070	
5,600.00	5,597.94	5,184.00	5,199.43	11.39	16.45	-82.01	794.31	-5,230.99	5,294.58	5,268.11	26.47	200.022	
5,700.00	5,697.81	5,278.00	5,291.01	11.64	16.88	-82.28	775.39	-5,240.57	5,301.47	5,274.47	27.00	196.324	
5,800.00	5,797.67	5,367.18	5,377.97	11.90	17.28	-82.53	757.86	-5,249.72	5,308.61	5,281.10	27.51	192.952	
5,900.00	5,897.53	5,482.20	5,490.17	12.15	17.80	-82.85	735.35	-5,261.27	5,315.66	5,287.52	28.14	188.897	
6,000.00	5,997.40	5,559.00	5,565.18	12.42	18.15	-83.06	720.79	-5,269.03	5,322.97	5,294.38	28.59	186.189	
6,100.00	6,097.26	5,965.01	5,963.44	12.68	19.93	-84.09	648.07	-5,298.60	5,327.94	5,297.44	30.49	174.718	
6,200.00	6,197.12	6,029.00	6,026.51	12.95	20.21	-84.24	637.71	-5,301.42	5,330.23	5,299.36	30.88	172.632	
6,300.00	6,296.99	6,089.64	6,086.45	13.23	20.46	-84.37	628.96	-5,304.40	5,333.26	5,302.03	31.23	170.758	
6,400.00	6,396.85	6,157.01	6,153.26	13.51	20.72	-84.50	621.13	-5,308.06	5,337.06	5,305.46	31.61	168.865	
6,500.00	6,496.71	6,273.07	6,268.89	13.79	21.14	-84.65	613.52	-5,314.14	5,341.24	5,309.10	32.13	166.218	
6,600.00	6,596.57	6,555.82	6,551.52	14.07	22.01	-84.82	612.40	-5,320.15	5,341.97	5,308.86	33.11	161.318	
6,700.00	6,696.44	6,771.69	6,767.38	14.35	22.69	-84.96	610.69	-5,319.62	5,341.10	5,307.21	33.89	157.604	
6,800.00	6,796.30	6,852.48	6,848.15	14.64	22.94	-85.02	609.44	-5,318.77	5,339.47	5,305.21	34.26	155.837	
6,900.00	6,896.16	6,971.90	6,967.56	14.93	23.32	-85.10	607.76	-5,317.63	5,337.96	5,303.20	34.76	153.584	
7,000.00	6,996.03	7,058.00	7,053.65	15.23	23.60	-85.16	606.68	-5,316.72	5,336.34	5,301.20	35.14	151.840	
7,100.00	7,095.89	7,154.80	7,150.43	15.52	23.91	-85.23	605.31	-5,315.83	5,334.87	5,299.29	35.57	149.976	
7,200.00	7,195.75	7,254.40	7,250.02	15.82	24.24	-85.30	603.54	-5,314.97	5,333.42	5,297.41	36.01	148.120	
7,300.00	7,295.61	7,367.08	7,362.66	16.12	24.61	-85.39	601.23	-5,313.87	5,331.86	5,295.37	36.49	146.119	
7,400.00	7,395.48	7,464.61	7,460.16	16.42	24.93	-85.47	599.05	-5,312.75	5,330.12	5,293.20	36.93	144.348	
7,500.00	7,495.34	7,540.80	7,536.33	16.72	25.19	-85.53	597.22	-5,312.14	5,328.72	5,291.42	37.30	142.879	
7,600.00	7,595.20	7,621.00	7,616.50	17.02	25.45	-85.60	595.16	-5,311.87	5,327.77	5,290.09	37.68	141.405	
7,700.00	7,695.07	7,711.95	7,707.42	17.33	25.76	-85.67	592.72	-5,311.82	5,327.10	5,289.00	38.10	139.822	
7,800.00	7,794.93	7,809.00	7,804.43	17.63	26.10	-85.76	590.05	-5,311.83	5,326.51	5,287.97	38.54	138.203	
7,870.00	7,864.83	7,854.81	7,850.22	17.84	26.25	-85.80	588.82	-5,311.94	5,326.28	5,287.51	38.76	137.410	
7,882.32	7,877.14	7,863.00	7,858.41	17.87	26.28	-85.80	588.61	-5,311.99	5,326.27	5,287.47	38.80	137.282	
7,900.00	7,894.80	7,874.76	7,870.17	17.92	26.32	-85.81	588.31	-5,312.05	5,326.28	5,287.43	38.85	137.099	
8,000.00	7,994.77	7,941.37	7,936.76	18.23	26.55	-85.86	586.76	-5,312.69	5,326.88	5,287.71	39.17	135.978	
8,020.00	8,014.76	7,954.70	7,950.09	18.25	26.59	-85.87	586.47	-5,312.86	5,327.11	5,287.88	39.23	135.790	
8,100.00	8,094.76	8,016.48	8,011.85	18.30	26.80	-85.88	585.26	-5,313.86	5,328.27	5,288.76	39.50	134.891	
8,200.00	8,194.76	8,134.18	8,129.52	18.37	27.19	-85.90	584.01	-5,315.59	5,329.66	5,289.68	39.98	133.313	
8,300.00	8,294.76	8,249.69	8,245.03	18.44	27.55	-85.90	584.11	-5,316.82	5,330.73	5,290.29	40.44	131.818	
8,400.00	8,394.76	8,363.53	8,358.86	18.51	27.90	-85.89	584.80	-5,317.69	5,331.53	5,290.64	40.89	130.398	
8,500.00	8,494.77	8,440.40	8,435.72	18.58	28.15	-85.88	585.26	-5,318.31	5,332.39	5,291.17	41.23	129.342	
8,600.00	8,594.77	8,514.28	8,509.60	18.64	28.38	-85.89	585.22	-5,319.32	5,333.75	5,292.19	41.56	128.344	
8,700.00	8,694.77	8,596.03	8,591.34	18.71	28.65	-85.89	584.62	-5,320.85	5,335.56	5,293.64	41.92	127.274	
8,800.00	8,794.77	8,689.84	8,685.11	18.78	28.97	-85.91	583.09	-5,322.84	5,337.55	5,295.22	42.34	126.076	
8,900.00	8,894.77	8,783.78	8,778.99	18.85	29.29	-85.94	580.79	-5,324.99	5,339.67	5,296.92	42.75	124.903	
9,000.00	8,994.77	8,877.99	8,873.16	18.92	29.61	-85.96	578.95	-5,327.22	5,341.89	5,298.72	43.17	123.748	
9,100.00	9,094.77	8,981.85	8,976.99	18.99	29.96	-85.97	577.84	-5,329.69	5,344.18	5,300.57	43.61	122.548	
9,200.00	9,194.77	9,099.85	9,094.96	19.06	30.34	-85.97	577.93	-5,332.09	5,346.22	5,302.13	44.09	121.266	
9,300.00	9,294.77	9,279.13	9,274.23	19.13	30.90	-85.96	579.28	-5,334.12	5,347.45	5,302.71	44.74	119.533	
9,400.00	9,394.77	9,398.56	9,393.65	19.20	31.29	-85.96	579.38	-5,334.25	5,347.54	5,302.33	45.21	118.273	
9,500.00	9,494.77	9,496.00	9,491.08	19.27	31.60	-85.97	578.19	-5,334.30	5,347.51	5,301.89	45.63	117.205	
9,521.35	9,516.12	9,521.04	9,516.12	19.29	31.69	-85.98	577.72	-5,334.32	5,347.50	5,301.77	45.73	116.931	
9,600.00	9,594.77	9,587.99	9,583.06	19.34	31.92	-85.99	576.31	-5,334.50	5,347.59	5,301.55	46.04	116.151	

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 701H
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:	701H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Stella Blue 30 Fed Com - 701H - OH / Job 63103 - OH / Job 63103													Offset Site Error:	0.00 usft	
Survey Program:		158-, 1148-		Offset		Semi Maior Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
9,700.00	9,694.77	9,685.00	9,680.03	19.42	32.26	-86.02	573.93	-5,335.03	5,347.96	5,301.49	46.47	115.080			
9,800.00	9,794.77	9,781.80	9,776.79	19.49	32.60	-86.05	571.18	-5,335.64	5,348.39	5,301.49	46.91	114.023			
9,900.00	9,894.77	9,895.65	9,890.58	19.56	33.00	-86.09	567.56	-5,336.14	5,348.61	5,301.21	47.40	112.840			
9,915.74	9,910.50	9,914.42	9,909.35	19.56	33.07	-86.09	566.89	-5,336.19	5,348.62	5,301.14	47.47	112.663			
9,925.00	9,919.76	9,925.48	9,920.39	19.56	33.11	1.50	566.48	-5,336.22	5,348.53	5,301.01	47.52	112.561			
9,950.00	9,944.74	9,955.27	9,950.16	19.57	33.21	1.49	565.33	-5,336.28	5,347.38	5,299.73	47.64	112.239			
9,975.00	9,969.61	9,984.93	9,979.80	19.58	33.32	1.49	564.11	-5,336.32	5,344.90	5,297.11	47.79	111.852			
10,000.00	9,994.33	10,014.39	10,009.23	19.59	33.42	1.49	562.82	-5,336.34	5,341.10	5,293.17	47.93	111.438			
10,025.00	10,018.81	10,043.56	10,038.37	19.60	33.53	1.49	561.47	-5,336.34	5,335.99	5,287.91	48.07	110.997			
10,050.00	10,043.00	10,072.36	10,067.13	19.61	33.63	1.50	560.07	-5,336.31	5,329.58	5,281.37	48.22	110.532			
10,075.00	10,066.83	10,061.00	10,055.79	19.62	33.59	1.53	560.63	-5,336.33	5,322.03	5,273.81	48.22	110.361			
10,100.00	10,090.23	10,061.00	10,055.79	19.64	33.59	1.56	560.63	-5,336.33	5,313.33	5,265.06	48.27	110.075			
10,125.00	10,113.13	10,092.88	10,087.63	19.66	33.70	1.58	559.12	-5,336.44	5,303.28	5,254.85	48.43	109.505			
10,150.00	10,135.48	10,101.88	10,096.62	19.68	33.74	1.62	558.71	-5,336.52	5,292.23	5,243.72	48.51	109.099			
10,175.00	10,157.21	10,110.65	10,105.38	19.71	33.77	1.66	558.31	-5,336.62	5,280.07	5,231.48	48.59	108.672			
10,200.00	10,178.27	10,119.18	10,113.90	19.74	33.80	1.72	557.94	-5,336.74	5,266.83	5,218.17	48.66	108.226			
10,225.00	10,198.59	10,127.45	10,122.16	19.78	33.83	1.78	557.58	-5,336.88	5,252.55	5,203.81	48.74	107.763			
10,250.00	10,218.12	10,156.00	10,150.68	19.82	33.93	1.84	556.40	-5,337.49	5,237.37	5,188.48	48.89	107.127			
10,275.00	10,236.81	10,156.00	10,150.68	19.87	33.93	1.93	556.40	-5,337.49	5,221.05	5,172.11	48.94	106.692			
10,300.00	10,254.61	10,156.00	10,150.68	19.92	33.93	2.02	556.40	-5,337.49	5,203.82	5,154.84	48.98	106.243			
10,325.00	10,271.46	10,156.00	10,150.68	19.99	33.93	2.14	556.40	-5,337.49	5,185.74	5,136.71	49.02	105.780			
10,350.00	10,287.32	10,156.00	10,150.68	20.06	33.93	2.27	556.40	-5,337.49	5,166.82	5,117.76	49.07	105.304			
10,375.00	10,302.15	10,184.96	10,179.61	20.14	34.03	2.43	555.31	-5,338.23	5,147.03	5,097.82	49.21	104.600			
10,400.00	10,315.91	10,196.69	10,191.33	20.24	34.07	2.62	554.90	-5,338.54	5,126.50	5,077.22	49.29	104.016			
10,425.00	10,328.55	10,207.54	10,202.17	20.34	34.11	2.85	554.53	-5,338.83	5,105.26	5,055.90	49.36	103.430			
10,450.00	10,340.05	10,217.47	10,212.09	20.46	34.15	3.13	554.22	-5,339.10	5,083.37	5,033.94	49.43	102.845			
10,475.00	10,350.37	10,226.46	10,221.08	20.59	34.18	3.50	553.94	-5,339.35	5,060.88	5,011.39	49.49	102.262			
10,500.00	10,359.49	10,234.48	10,229.09	20.73	34.21	3.97	553.70	-5,339.57	5,037.85	4,988.31	49.54	101.683			
10,525.00	10,367.37	10,241.51	10,236.11	20.89	34.23	4.59	553.51	-5,339.77	5,014.35	4,964.76	49.59	101.109			
10,550.00	10,374.01	10,247.53	10,242.12	21.06	34.25	5.47	553.34	-5,339.94	4,990.44	4,940.81	49.64	100.541			
10,575.00	10,379.37	10,252.51	10,247.10	21.25	34.27	6.77	553.21	-5,340.08	4,966.18	4,916.51	49.67	99.982			
10,600.00	10,383.45	10,256.44	10,251.03	21.45	34.28	8.90	553.11	-5,340.19	4,941.65	4,891.95	49.70	99.431			
10,625.00	10,386.23	10,259.30	10,253.89	21.66	34.29	12.95	553.03	-5,340.27	4,916.90	4,867.18	49.72	98.891			
10,650.00	10,387.71	10,261.10	10,255.69	21.88	34.30	23.35	552.99	-5,340.33	4,892.00	4,842.27	49.73	98.363			
10,671.49	10,387.93	10,261.78	10,256.37	22.09	34.30	60.03	552.97	-5,340.34	4,870.54	4,820.80	49.74	97.920			
10,700.00	10,387.59	10,262.15	10,256.74	22.37	34.30	67.45	552.96	-5,340.36	4,842.04	4,792.30	49.74	97.339			
10,800.00	10,386.38	10,263.52	10,258.10	23.53	34.31	78.20	552.93	-5,340.40	4,742.21	4,692.45	49.76	95.307			
10,833.04	10,385.99	10,263.99	10,258.57	23.94	34.31	79.84	552.91	-5,340.41	4,709.27	4,659.51	49.76	94.637			
10,900.00	10,385.18	10,264.95	10,259.53	24.81	34.31	79.97	552.89	-5,340.44	4,642.56	4,592.79	49.77	93.277			
11,000.00	10,383.98	10,266.39	10,260.97	26.24	34.32	80.17	552.86	-5,340.48	4,542.94	4,493.15	49.79	91.238			
11,100.00	10,382.78	10,267.83	10,262.42	27.78	34.32	80.37	552.82	-5,340.52	4,443.34	4,393.53	49.82	89.191			
11,200.00	10,381.57	10,269.29	10,263.87	29.42	34.33	80.58	552.79	-5,340.56	4,343.76	4,293.91	49.85	87.135			
11,300.00	10,380.37	10,270.75	10,265.33	31.14	34.33	80.78	552.75	-5,340.60	4,244.20	4,194.31	49.89	85.071			
11,400.00	10,379.17	10,272.22	10,266.80	32.93	34.34	80.99	552.72	-5,340.65	4,144.66	4,094.72	49.94	82.998			
11,500.00	10,377.97	10,273.70	10,268.28	34.78	34.35	81.20	552.68	-5,340.69	4,045.14	3,995.15	49.99	80.916			
11,600.00	10,376.76	10,275.18	10,269.76	36.67	34.35	81.41	552.65	-5,340.73	3,945.64	3,895.58	50.06	78.825			
11,700.00	10,375.56	10,276.68	10,271.25	38.61	34.36	81.62	552.61	-5,340.78	3,846.17	3,796.04	50.13	76.725			
11,800.00	10,374.36	10,278.18	10,272.75	40.59	34.36	81.83	552.58	-5,340.82	3,746.73	3,696.51	50.21	74.616			
11,900.00	10,373.16	10,279.69	10,274.26	42.60	34.37	82.04	552.54	-5,340.87	3,647.31	3,597.00	50.31	72.498			
12,000.00	10,371.95	10,281.20	10,275.78	44.63	34.37	82.26	552.51	-5,340.91	3,547.93	3,497.51	50.42	70.370			
12,100.00	10,370.75	10,282.73	10,277.30	46.69	34.38	82.47	552.48	-5,340.95	3,448.58	3,398.04	50.54	68.233			
12,200.00	10,369.55	10,284.26	10,278.83	48.76	34.38	82.69	552.44	-5,341.00	3,349.27	3,298.59	50.68	66.086			

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 701H
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:	701H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Stella Blue 30 Fed Com - 701H - OH / Job 63103 - OH / Job 63103													Offset Site Error:	0.00 usft	
Survey Program:		158-, 1148-		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
12,300.00	10,368.35	10,285.80	10,280.37	50.86	34.39	82.91	552.41	-5,341.05	3,250.01	3,199.17	50.84	63.928			
12,400.00	10,367.15	10,287.35	10,281.92	52.97	34.39	83.13	552.38	-5,341.09	3,150.79	3,099.77	51.02	61.761			
12,500.00	10,365.94	10,288.91	10,283.48	55.09	34.40	83.35	552.34	-5,341.14	3,051.61	3,000.40	51.22	59.583			
12,600.00	10,364.74	10,290.48	10,285.04	57.23	34.40	83.58	552.31	-5,341.18	2,952.50	2,901.06	51.44	57.395			
12,700.00	10,363.54	10,292.05	10,286.62	59.38	34.41	83.80	552.28	-5,341.23	2,853.44	2,801.74	51.70	55.196			
12,800.00	10,362.34	10,293.63	10,288.20	61.54	34.42	84.03	552.25	-5,341.28	2,754.45	2,702.47	51.98	52.986			
12,900.00	10,361.13	10,295.22	10,289.79	63.70	34.42	84.25	552.21	-5,341.33	2,655.54	2,603.23	52.31	50.767			
13,000.00	10,359.93	10,296.82	10,291.39	65.88	34.43	84.48	552.18	-5,341.37	2,556.71	2,504.03	52.68	48.537			
13,100.00	10,358.73	10,298.43	10,292.99	68.06	34.43	84.71	552.15	-5,341.42	2,457.97	2,404.88	53.09	46.297			
13,200.00	10,357.53	10,300.05	10,294.61	70.25	34.44	84.95	552.12	-5,341.47	2,359.34	2,305.77	53.56	44.049			
13,300.00	10,356.32	10,301.68	10,296.23	72.45	34.44	85.18	552.09	-5,341.52	2,260.82	2,206.73	54.10	41.792			
13,400.00	10,355.12	10,303.31	10,297.87	74.65	34.45	85.41	552.05	-5,341.57	2,162.44	2,107.74	54.71	39.529			
13,500.00	10,353.92	10,304.95	10,299.51	76.85	34.45	85.65	552.02	-5,341.62	2,064.22	2,008.82	55.40	37.260			
13,600.00	10,352.72	10,306.61	10,301.16	79.06	34.46	85.89	551.99	-5,341.67	1,966.17	1,909.98	56.19	34.989			
13,700.00	10,351.51	10,308.27	10,302.82	81.28	34.47	86.13	551.96	-5,341.72	1,868.33	1,811.23	57.10	32.718			
13,800.00	10,350.31	10,309.94	10,304.49	83.49	34.47	86.37	551.93	-5,341.77	1,770.73	1,712.58	58.15	30.451			
13,900.00	10,349.11	10,311.62	10,306.17	85.72	34.48	86.61	551.90	-5,341.82	1,673.41	1,614.05	59.36	28.193			
14,000.00	10,347.91	10,313.31	10,307.86	87.94	34.48	86.86	551.87	-5,341.87	1,576.42	1,515.67	60.75	25.948			
14,100.00	10,346.71	10,315.01	10,309.56	90.17	34.49	87.10	551.84	-5,341.92	1,479.83	1,417.46	62.38	23.724			
14,200.00	10,345.50	10,316.72	10,311.27	92.40	34.50	87.35	551.81	-5,341.97	1,383.73	1,319.45	64.27	21.529			
14,300.00	10,344.30	10,318.44	10,312.99	94.63	34.50	87.60	551.78	-5,342.03	1,288.21	1,221.71	66.50	19.372			
14,400.00	10,343.10	10,320.16	10,314.71	96.87	34.51	87.85	551.75	-5,342.08	1,193.43	1,124.30	69.13	17.264			
14,500.00	10,341.90	10,321.90	10,316.45	99.11	34.51	88.10	551.72	-5,342.13	1,099.57	1,027.31	72.25	15.218			
14,600.00	10,340.69	10,323.65	10,318.20	101.35	34.52	88.35	551.69	-5,342.19	1,006.89	930.89	75.99	13.250			
14,700.00	10,339.49	10,325.41	10,319.95	103.59	34.53	88.61	551.67	-5,342.24	915.74	835.24	80.50	11.376			
14,800.00	10,338.29	10,327.17	10,321.72	105.84	34.53	88.86	551.64	-5,342.30	826.64	740.67	85.97	9.615			
14,900.00	10,337.09	10,328.95	10,323.49	108.08	34.54	89.12	551.61	-5,342.35	740.33	647.68	92.64	7.991			
15,000.00	10,335.88	10,330.74	10,325.28	110.33	34.55	89.38	551.58	-5,342.41	657.90	557.10	100.80	6.527			
15,100.00	10,334.68	10,332.54	10,327.08	112.58	34.55	89.64	551.56	-5,342.46	581.00	470.34	110.67	5.250			
15,200.00	10,333.48	10,334.34	10,328.88	114.83	34.56	89.90	551.53	-5,342.52	512.14	389.88	122.27	4.189			
15,300.00	10,332.28	10,336.16	10,330.70	117.08	34.56	90.17	551.50	-5,342.58	454.99	320.03	134.96	3.371			
15,400.00	10,331.07	10,343.00	10,337.53	119.34	34.59	91.16	551.41	-5,342.79	414.43	267.71	146.72	2.825			
15,500.00	10,329.87	10,343.00	10,337.53	121.59	34.59	91.16	551.41	-5,342.79	395.53	241.19	154.35	2.563			
15,526.55	10,329.55	10,343.00	10,337.53	122.19	34.59	91.16	551.41	-5,342.79	394.64	239.38	155.26	2.542 CC, ES, SF			
15,600.00	10,328.67	10,343.00	10,337.53	123.85	34.59	91.16	551.41	-5,342.79	401.42	246.36	155.05	2.589			
15,700.00	10,327.47	10,343.00	10,337.53	126.10	34.59	91.16	551.41	-5,342.79	431.08	281.77	149.31	2.887			
15,794.62	10,326.33	10,343.00	10,337.53	127.48	34.59	91.16	551.41	-5,342.79	477.08	336.46	140.62	3.393			

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Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 701H
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:	701H	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: 701H

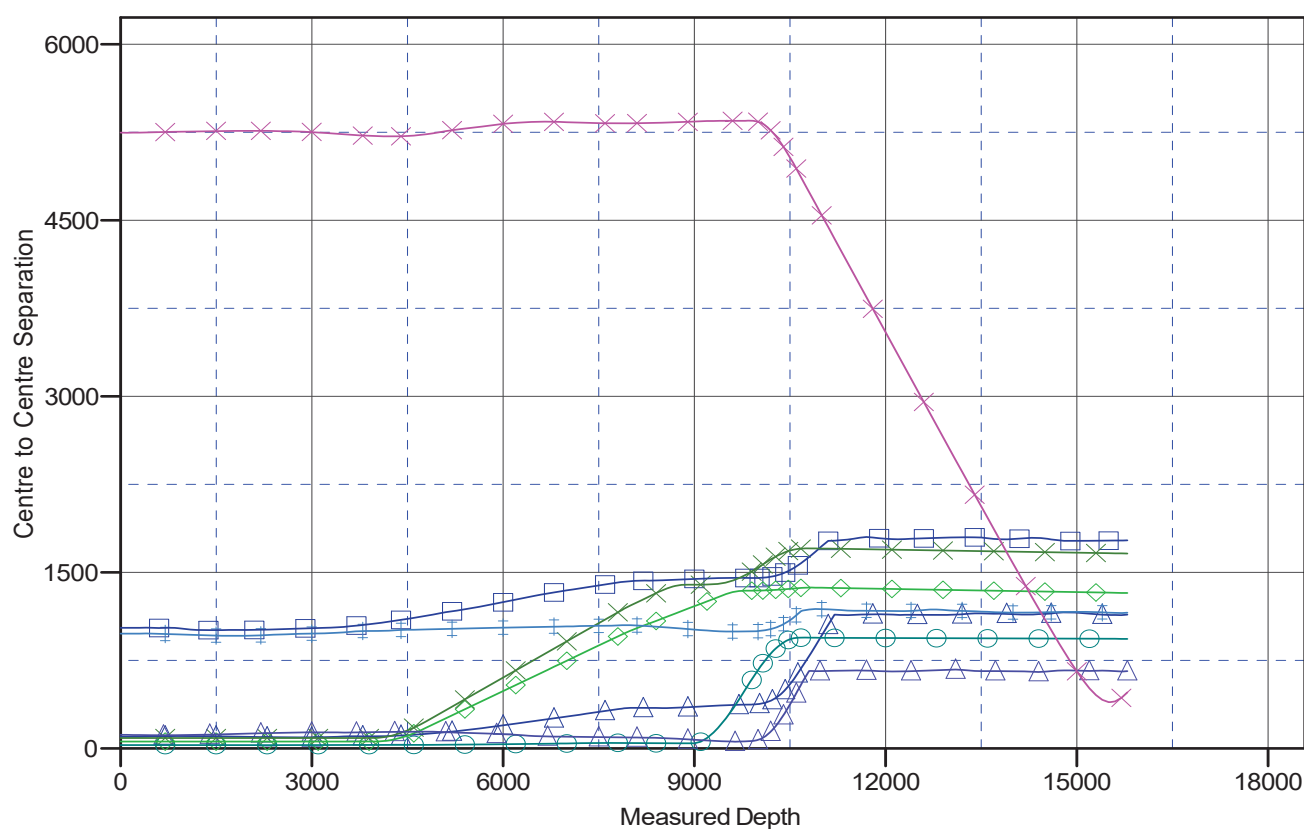
Offset Depths are relative to Offset Datum

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 / 6/810, Surveys (H&P 653) V0	703H, OH, Plan 1 12-14-21 V0	504H, OH / 6/811, Surveys (H&P 653) V0
508H, OH / 6/813, Surveys (H&P 653) V0	501H, OH, Plan 1 12-14-21 V0	701H, OH / Job 63103, OH / Job 63103 V0
702H, OH, Plan 1 12-14-21 V0	506H, OH / 6/812, Surveys (H&P 653) V0	

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Anticollision Report



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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

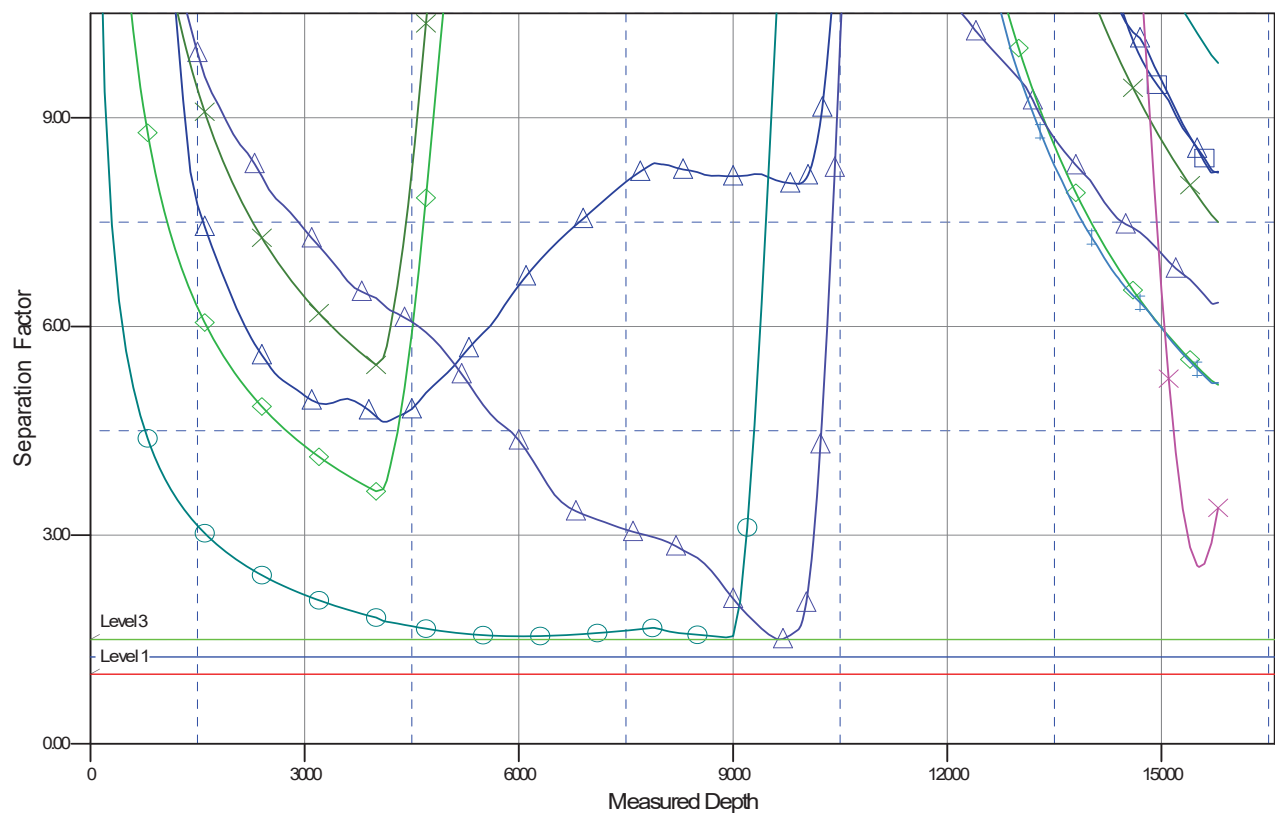
Central Meridian is 104° 19' 60.000000 W

Coordinates are relative to: 701H

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 / 6/810, Surveys (H&P 653) V0	703H, OH, Plan 1 12-14-21 V0	504H, OH / 6/811, Surveys (H&P 653) V0
508H, OH / 6/813, Surveys (H&P 653) V0	501H, OH, Plan 1 12-14-21 V0	701H, OH / Job 63103, OH / Job 63103 V0
702H, OH, Plan 1 12-14-21 V0	506H, OH / 6/812, Surveys (H&P 653) V0	

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 73939

CONDITIONS

Operator: Flat Creek Resources, LLC 777 Main St. Fort Worth, TX 76102	OGRID: 374034
	Action Number: 73939
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

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