

Well Name: PHANTOM BANK 31 FED COM	Well Location: T26S / R31E / SEC 32 / NWNW /	County or Parish/State:
Well Number: 501H	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: 2648982

Type of Submission: Notice of Intent	Type of Action: Other
Date Sundry Submitted: 12/15/2021	Time Sundry Submitted: 12:42
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 mud programs accordingly.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- 5.5_TCBC_HT_6.3_OD_20211215124046.pdf
- 5.5_TCBC_HT_5.9_OD_20211215124046.pdf
- Phantom_Bank_31_Fed_Com_501H__Plan_1_12_14_21_20211215124012.pdf
- Phantom_Bank_31_Fed_Com_501H__Plan_1_12_14_21_AC_Report_20211215124012.pdf
- 501H_Casing_design_factors_20211215124011.xlsx
- Phantom_Bank_31_Fed_Com_501H_GeoProg_20211215123935.pdf
- PHANTOM_BANK_31_FED_COM_501H_C_102_Cert_12_10_21_20211215123734.pdf
- Phantom_Bank_31_Fed_Com_Pad_1_No.501H__Road_Plat_Cert_12_10_21_20211215123734.pdf

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US Well Number:	Well Status: Approved Application for Permit to Drill	Operator: FLAT CREEK RESOURCES LLC

Phantom_Bank_31_Fed_Com_Pad_1_SUP_As_Built_Cert_12_13_21_20211215123734.pdf

Sundry_501H_Drilling_Plan_20211215123647.docx

Sundry_501H_Application_20211215123647.docx

Sundry_501H_Produced_Water_Disposal_20211215123647.docx

Sundry_501H_Surface_Use_Plan_of_Operations_20211215123647.docx

Conditions of Approval

Additional Reviews

Sundry_501H_Drilling_Plan_20220106093432.docx

Phantom_Bank_31_Fed_Com_501H_Dr_Sundry_ID_2648982_20220106093432.pdf

32_26_31_D_Sundry_ID_2648982_Phantom_Bank_31_Fed_Com_501H_Eddy_NM138868_Flat_Creek_Resources_LL
C_13_22c_5_12_2021_LV_20220106093432.pdf

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 12:42 PM
Name: FLAT CREEK RESOURCES LLC	
Title: Vice President – Operations	
Street Address: 777 Main Street, Suite 3600	
City: Fort Worth	State: TX
Phone: (817) 310-8578	
Email address: rodney.littleton@flatcreekresources.com	

Field Representative

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

Well Name: PHANTOM BANK 31 FED COM	Well Location: T26S / R31E / SEC 32 / NWNW /	County or Parish/State:
Well Number: 501H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM138868	Unit or CA Name:	Unit or CA Number:
US Well Number:	Well Status: Approved Application for Permit to Drill	Operator: FLAT CREEK RESOURCES LLC

BLM Point of Contact

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

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

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

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT **WC 015 G 06 S242630A;Bone**

¹ API Number 30-015-49201		² Pool Code 97814 98319	³ Pool Name Spring WC 015 G 06 S242630A;Bone Spring
⁴ Property Code 327168	⁵ Property Name PHANTOM BANK 31 FED COM		⁶ Well Number 501H
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.		700'	NORTH	300'	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L2	31	26 SOUTH	31 EAST, N.M.P.M.		380'	SOUTH	30'	WEST	EDDY

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

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

16 PROPOSED LAST TAKE POINT X= 657,479' Y= 364,490' NAD 27 LAT. 32.001080° N LONG. 103.825323° W X= 698,666' Y= 364,547' NAD83/86 LAT. 32.001205° N LONG. 103.825798° W PHANTOM BANK 31 FED COM NO. 501H WELL X= 663,007' Y= 365,622' NAD 27 LAT. 32.004120° N LONG. 103.807475° W X= 704,194' Y= 365,679' NAD83/86 LAT. 32.004245° N LONG. 103.807949° W ELEV. +3129' NAVD88 CORNER COORDINATES TABLE (NAD 27) A - Y=366245.06, X=657370.11 B - Y=366283.60, X=660040.51 C - Y=366321.04, X=662703.16 D - Y=366332.89, X=665368.25 E - Y=364109.66, X=657381.51 F - Y=364123.23, X=660052.17 G - Y=364137.17, X=662715.32 H - Y=364152.16, X=665379.32 PROPOSED BOTTOM HOLE LOCATION X= 657,409' Y= 364,490' NAD 27 LAT. 32.001080° N LONG. 103.825549° W X= 698,596' Y= 364,547' NAD83/86 LAT. 32.001205° N LONG. 103.826024° W PROPOSED FIRST TAKE POINT X= 662,613' Y= 364,517' NAD 27 LAT. 32.001085° N LONG. 103.808763° W X= 703,800' Y= 364,574' NAD83/86 LAT. 32.001211° N LONG. 103.809237° W
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Sundry Notice Detail - Application**Phantom Bank 31 Fed Com 501H****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 Springs

Pad Name: No change

New Well Plat Added

New SUP Added

Well Work Start Date Change: Change from 03/14/2021 to 02/01/2022

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

Section 3 – Well Location

	<u>Old Location</u>	<u>New Location</u>
Surface change	350' FWL 550' FNL (Sec 32)	300' FWL 700' FNL (Sec 32)
KOP change	350' FWL 550' FNL (Sec 32)	300' FWL 380' FSL (Sec 32)
PPP Change	100' FEL 330' FNL (Sec 31)	100' FEL 380' FSL (Sec 31)
Exit Change	100' FWL 330' FNL (Sec 31)	100' FWL 380' FSL (Sec 31)
BHL Change	30' FWL 330' FNL (Sec 31)	30' FWL 380' FSL (Sec 31)
(Revisions are on new plat and on Sundry)		

Sundry Notice Detail – Drilling Plan

Phantom Bank 31 Fed Com 501H

Notice of Intent:

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

Drilling Plan

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

Section 2 – Blowout Preventer Testing Procedure: No change

Section 3 – Hole Size and Casing Change:

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

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

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

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

5-1/2" casing will run from 7700' to TD (approximately 14,975')
TCBC-HT connection, OD of coupling 5.9"

Section 4 – Cement Change:

Surface: Revised volumes and properties for revised casing size

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

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

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

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

Production: Revised volumes increasing excess to 35%

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

Section 5 – Circulating Medium Change:

Surface: No change

Intermediate: Change of depth to drill to.

Production: Change cut brine at approximately 9.0 ppg

Section 6 – Test, Logging, Coring: No change

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

Section 8 – Other Information: Change to new directional plan

Geo Prog

Well Name: PHANTOM BANK 31 FED COM

Well Type: OIL

Section 1 - Geologic Formations

Well Number: 501H

Well Work Type: DRILL

EKB: 3160'

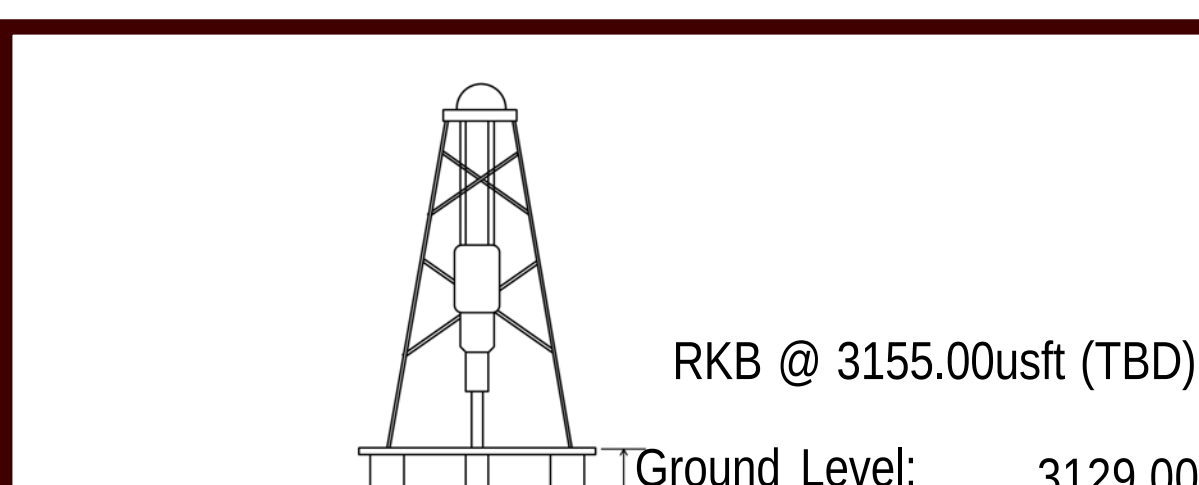
Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth
1	ALLUVIUM	3155	26	
2	RUSLTER	2275	880	
3	TOP SALT	1655	1500	
4	BASE SALT	-430	3585	
5	LAMAR	-630	3785	
6	BELL CANYON	-670	3825	
7	CHERRY CANYON	-1590	4745	
8	BRUSHY CANYON	-2930	6085	
9	BONE SPRING LIME	-4545	7700	
10	1ST BONE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

Phantom Bank 31 Fed Com

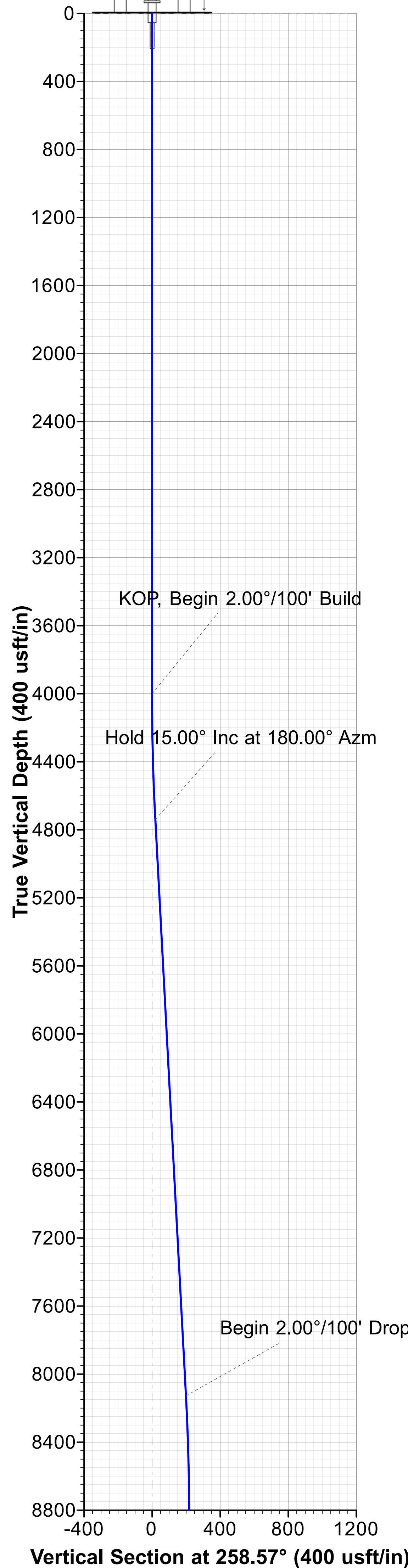
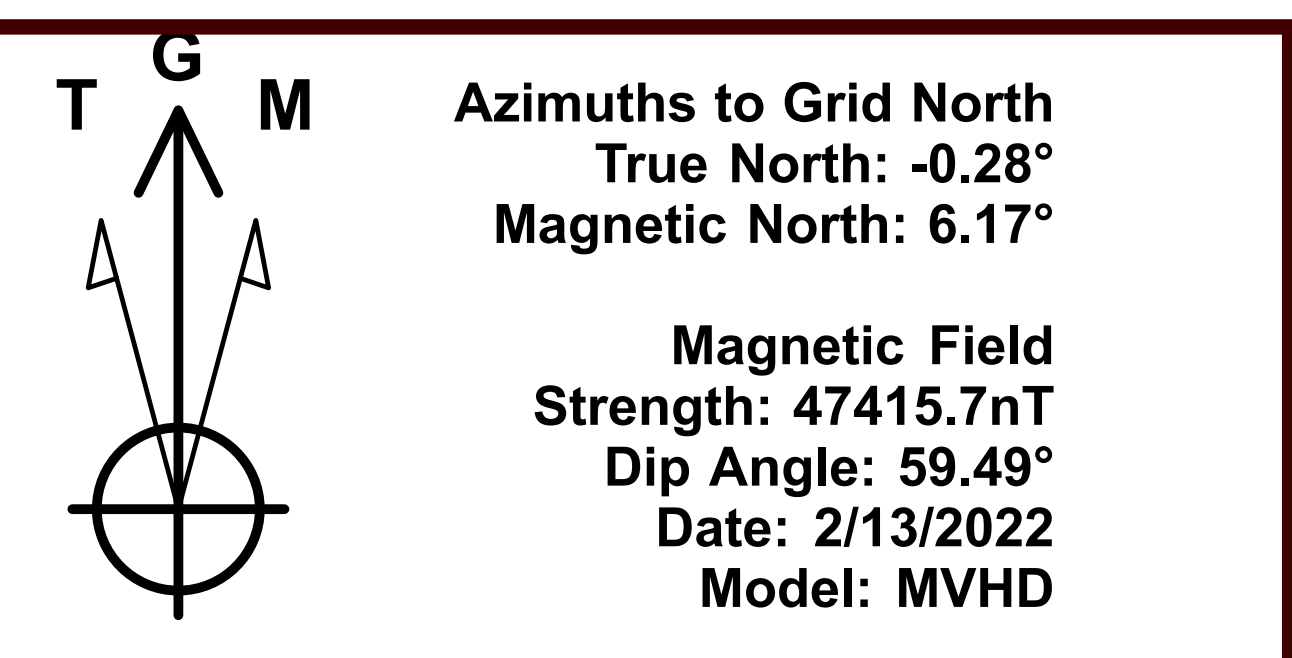
Well: 501H

Casing Design Data

	Surface	Intermediate 1	Intermediate 2 or Liner None	Production or Liner	Production 2
Top Setting Depth MD	0	0		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	14975
Bottom Setting Depth TVD	720	8000		7700	9393
Bottom Setting Depth MSL	2409	-4871		-4571	-6264
Calculated Casing Length MD	720	8000		7700	7275
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					



Project: Eddy County, NM (NAD27 NME)
Site: Phantom Bank 31 Fed Com
Well: 501H
Wellbore: OH
Design: Plan 1 12-14-21
Rig: TBD



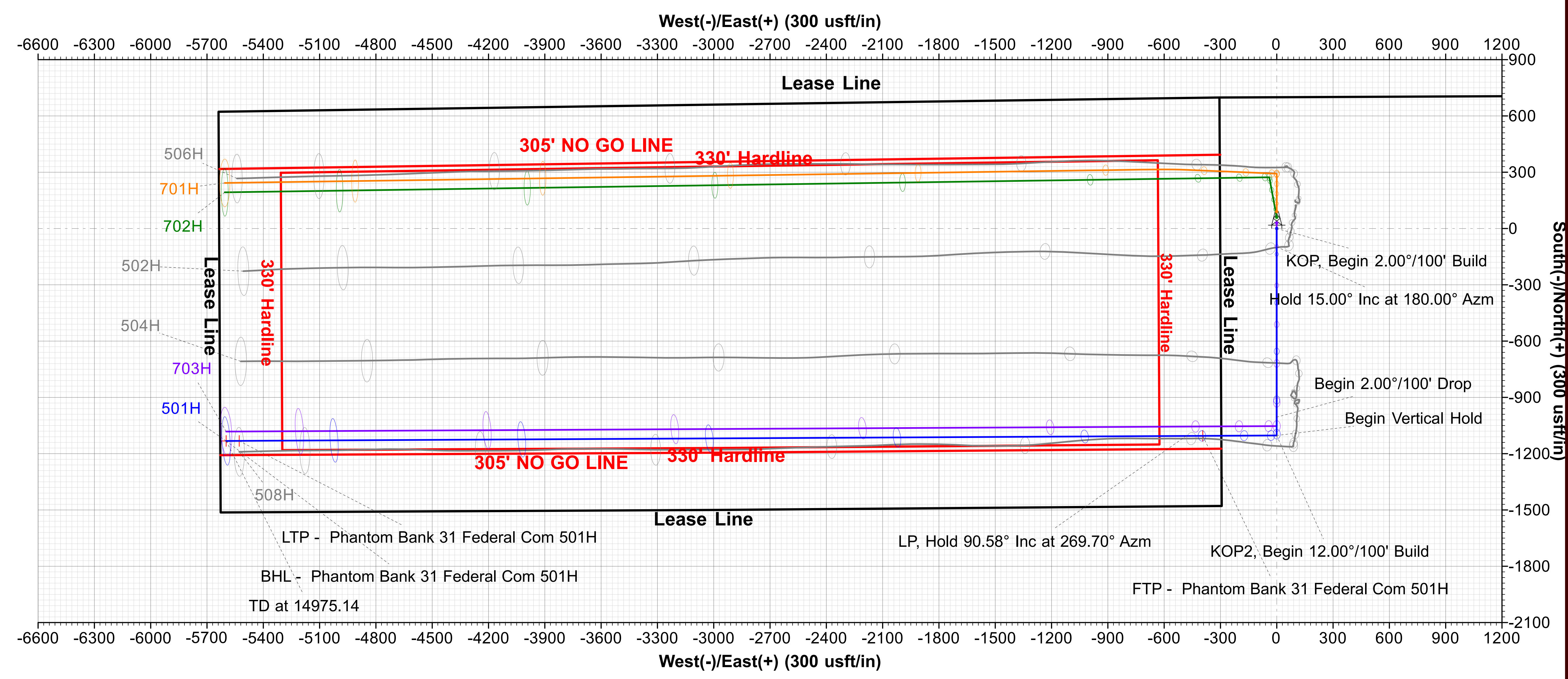
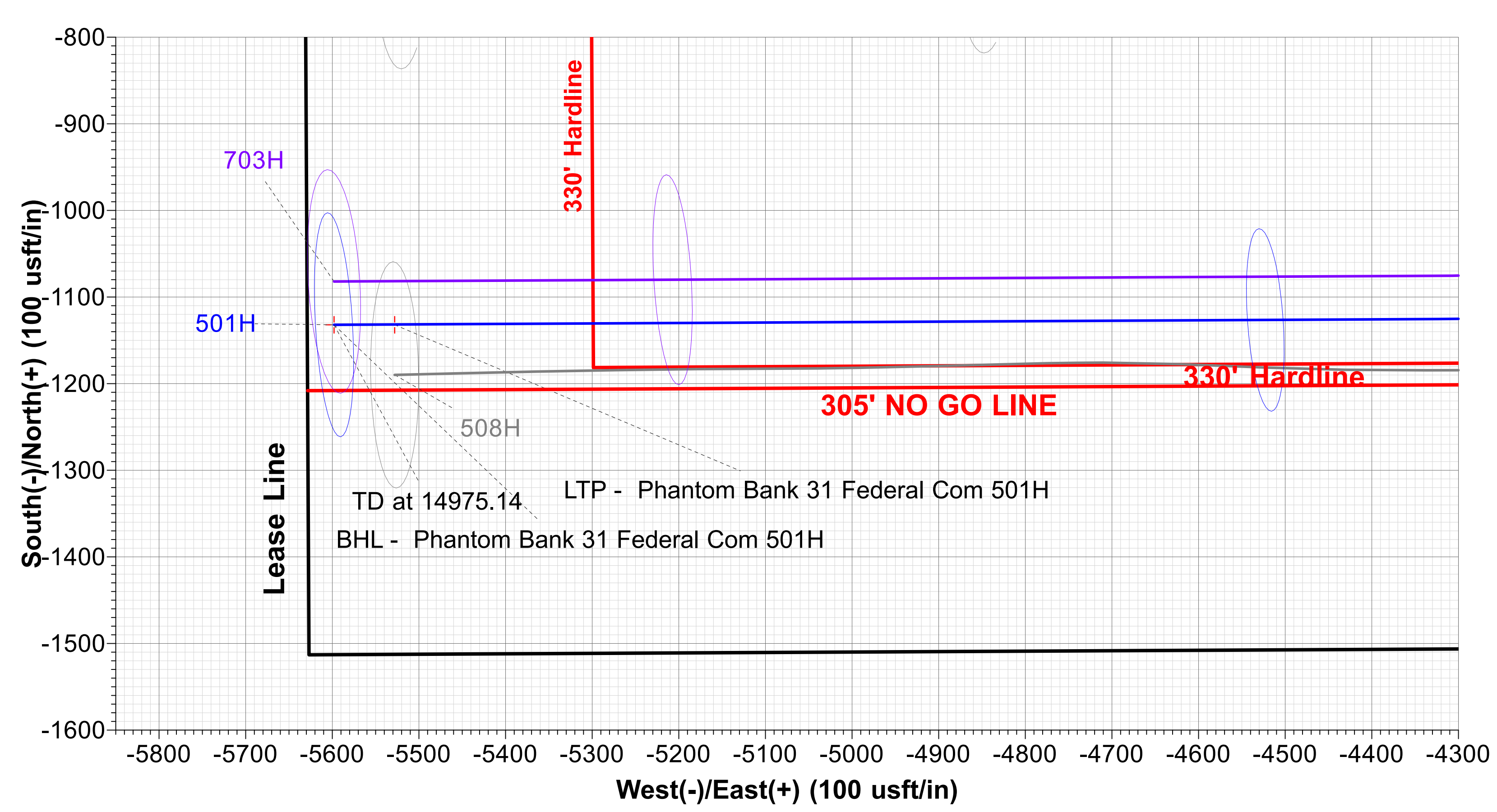
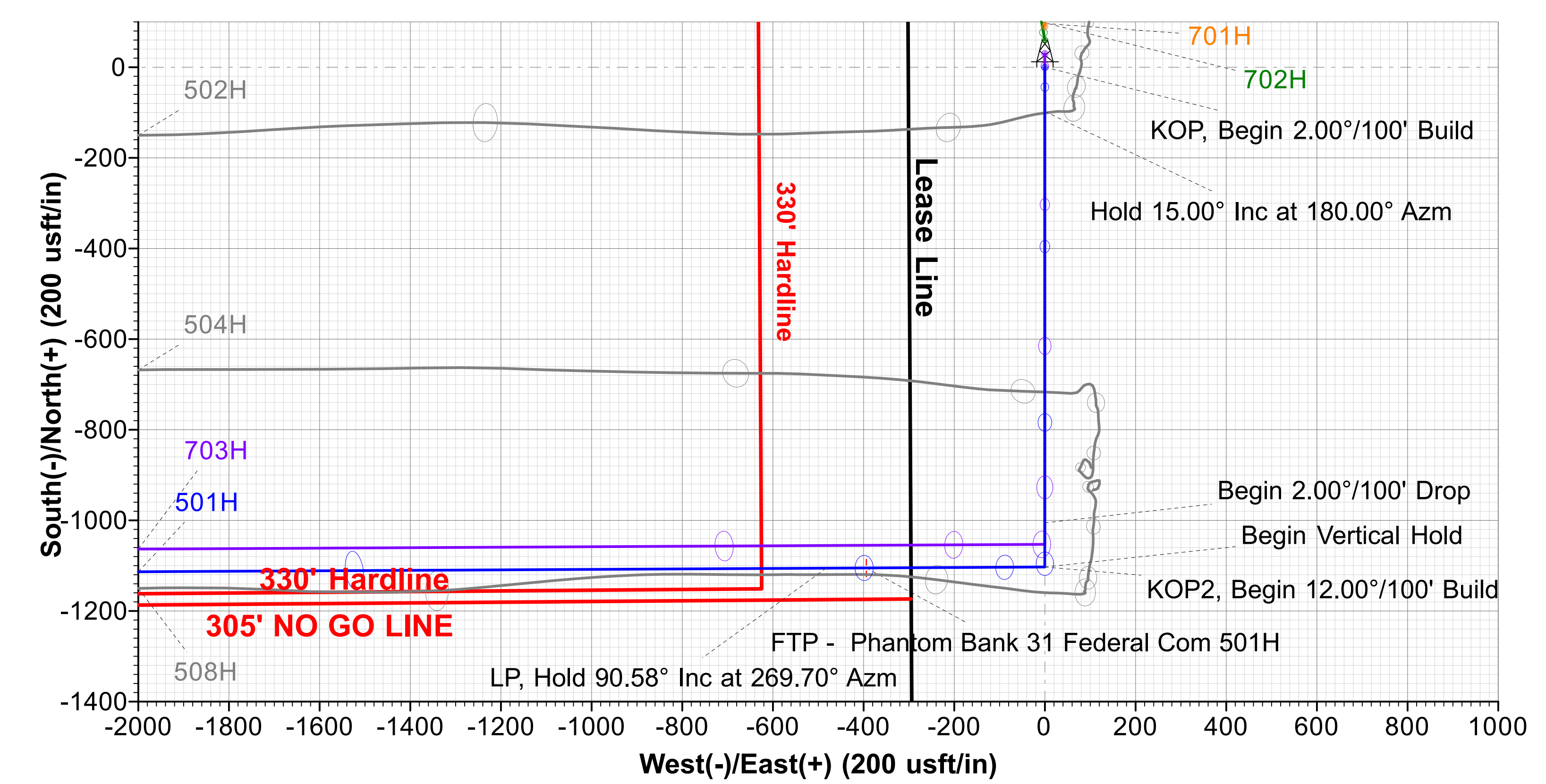
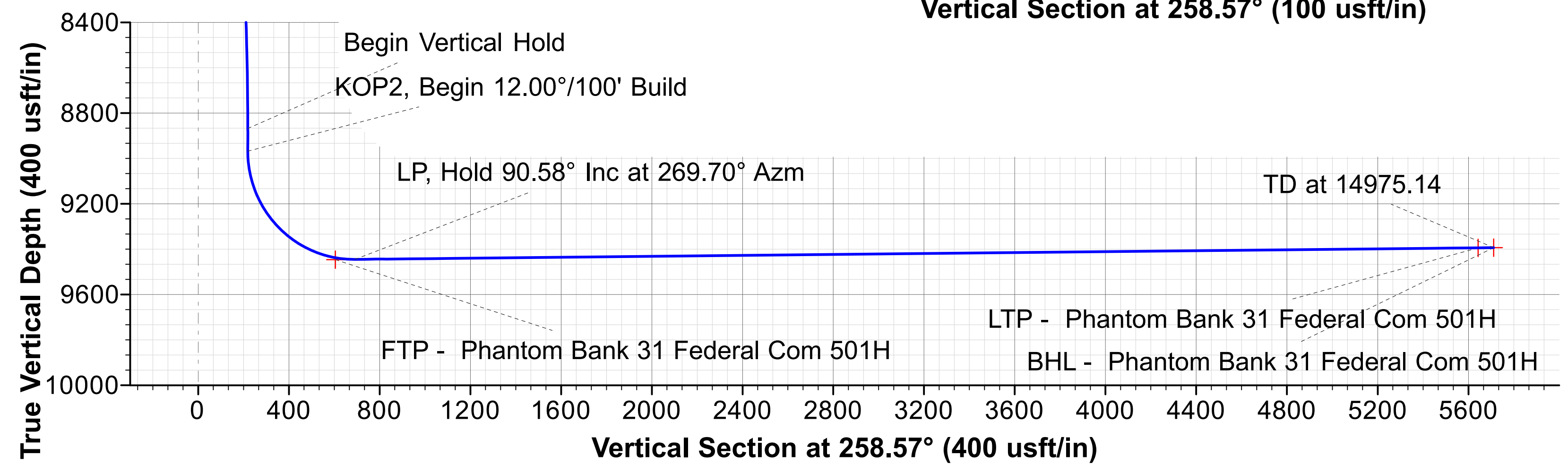
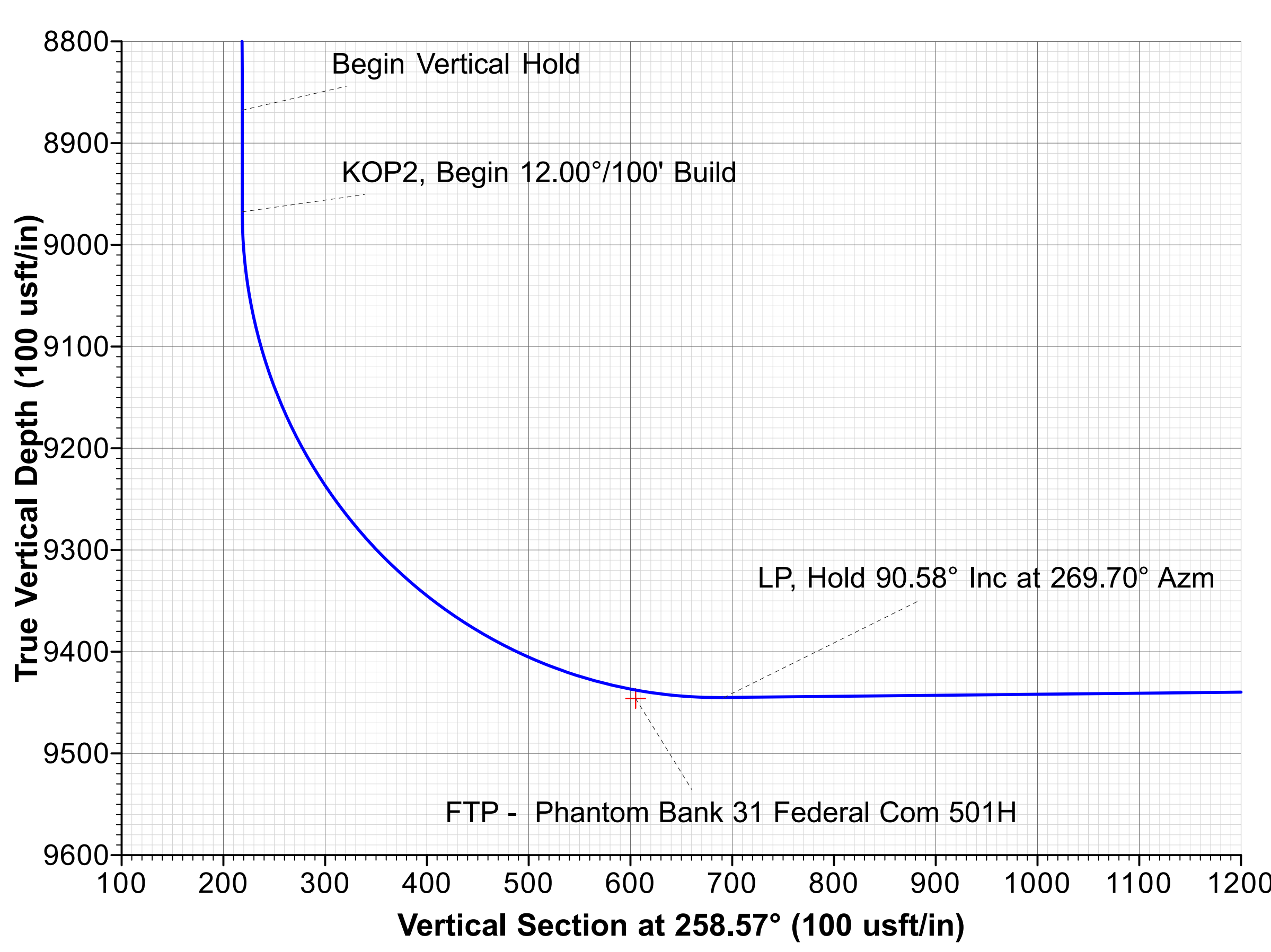
WELL DETAILS						
			3129.00			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	365622.00	663007.00	32° 0' 14.827047 N	103° 48' 26.910103 W	

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	KOP, Begin 2.00°/100' Build
3	4748.40	15.00	180.00	4739.87	-97.44	0.00	2.00	180.00	19.32	Hold 15.00° Inc at 180.00° Azm
4	8255.91	15.00	180.00	8127.79	-1005.52	-0.04	0.00	0.00	199.33	Begin 2.00°/100' Drop
5	9004.30	0.00	0.00	8867.67	-1102.96	-0.04	2.00	180.00	218.65	Begin Vertical Hold
6	9104.30	0.00	0.00	8967.67	-1102.96	-0.04	0.00	0.00	218.65	KOP2, Begin 12.00°/100' Build
7	9859.14	90.58	269.70	9445.11	-1105.46	-482.33	12.00	269.70	691.87	LP, Hold 90.58° Inc at 269.70° Azm
8	14975.14	90.58	269.70	9393.32	-1132.00	-5598.00	0.00	0.00	5711.31	BHL - Phantom Bank 31 Federal Com 501H TD at 14975.14

DESIGN TARGET DETAILS								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
BHL - Phantom Bank 31 Federal Com 501H	9393.32	-1132.00	-5598.00	364490.00	657409.00	32° 0' 3.889238 N	103° 49' 31.982275 W	
LTP - Phantom Bank 31 Federal Com 501H	9394.03	-1132.00	-5528.00	364490.00	657479.00	32° 0' 3.885983 N	103° 49' 31.169380 W	
FTP - Phantom Bank 31 Federal Com 501H	9446.00	-1105.00	-394.00	364517.00	662613.00	32° 0' 3.910559 N	103° 48' 31.547942 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 501H, Grid North
Latitude: 32° 0' 14.827047 N
Longitude: 103° 48' 26.910103 W
Grid East: 663007.00
Grid North: 365622.00
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: 47415.65600539nT
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
 - 506H, OH / 67812, Surveys (H&P 653) V0
 - 701H, OH, Plan 1 12-14-21 V0
 - 504H, OH / 67811, Surveys (H&P 653) V0
 - Plan 1 12-14-21





Flat Creek Resources, LLC

Eddy County, NM (NAD27 NME)

Phantom Bank 31 Fed Com

501H

OH

Plan: Plan 1 12-14-21

Standard Planning Report

14 December, 2021



FLAT CREEK
RESOURCES



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 501H
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:	501H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 12-14-21		

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

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

Well	501H		
Well Position	+N/-S	833.00 usft	Northing: 365,622.00 usft
	+E/-W	-5.00 usft	Easting: 663,007.00 usft
Position Uncertainty	1.00 usft	Wellhead Elevation:	Latitude: 32° 0' 14.827047 N
			Longitude: 103° 48' 26.910103 W
			Ground Level: 3,129.00 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	MVHD	2/13/2022	6.45
			Dip Angle (°) 59.49
			Field Strength (nT) 47,415.65600539

Design	Plan 1 12-14-21		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°) 258.57

Plan Survey Tool Program	Date	12/14/2021		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	14,975.14	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	
4,748.40	15.00	180.00	4,739.87	-97.44	0.00	2.00	2.00	0.00	180.00	
8,255.91	15.00	180.00	8,127.79	-1,005.52	-0.04	0.00	0.00	0.00	0.00	
9,004.30	0.00	0.00	8,867.67	-1,102.96	-0.04	2.00	-2.00	0.00	180.00	
9,104.30	0.00	0.00	8,967.67	-1,102.96	-0.04	0.00	0.00	0.00	0.00	
9,859.14	90.58	269.70	9,445.11	-1,105.46	-482.33	12.00	12.00	0.00	269.70	
14,975.14	90.58	269.70	9,393.32	-1,132.00	-5,598.00	0.00	0.00	0.00	0.00	BHL - Phantom Ba



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 501H
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:	501H	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	180.00	4,099.98	-1.75	0.00	0.35	2.00	2.00	0.00
4,200.00	4.01	180.00	4,199.84	-7.00	0.00	1.39	2.00	2.00	0.00
4,300.00	6.01	180.00	4,299.45	-15.73	0.00	3.12	2.00	2.00	0.00
4,400.00	8.02	180.00	4,398.70	-27.95	0.00	5.54	2.00	2.00	0.00
4,500.00	10.02	180.00	4,497.45	-43.63	0.00	8.65	2.00	2.00	0.00
4,600.00	12.03	180.00	4,595.60	-62.75	0.00	12.44	2.00	2.00	0.00
4,700.00	14.03	180.00	4,693.02	-85.30	0.00	16.91	2.00	2.00	0.00
4,748.40	15.00	180.00	4,739.87	-97.44	0.00	19.32	2.00	2.00	0.00
Hold 15.00° Inc at 180.00° Azm									
4,800.00	15.00	180.00	4,789.72	-110.80	0.00	21.96	0.00	0.00	0.00
4,900.00	15.00	180.00	4,886.31	-136.69	0.00	27.10	0.00	0.00	0.00
5,000.00	15.00	180.00	4,982.90	-162.58	-0.01	32.23	0.00	0.00	0.00
5,100.00	15.00	180.00	5,079.49	-188.47	-0.01	37.36	0.00	0.00	0.00
5,200.00	15.00	180.00	5,176.08	-214.35	-0.01	42.49	0.00	0.00	0.00
5,300.00	15.00	180.00	5,272.67	-240.24	-0.01	47.63	0.00	0.00	0.00
5,400.00	15.00	180.00	5,369.26	-266.13	-0.01	52.76	0.00	0.00	0.00
5,500.00	15.00	180.00	5,465.85	-292.02	-0.01	57.89	0.00	0.00	0.00
5,600.00	15.00	180.00	5,562.44	-317.91	-0.01	63.02	0.00	0.00	0.00
5,700.00	15.00	180.00	5,659.03	-343.80	-0.01	68.15	0.00	0.00	0.00
5,800.00	15.00	180.00	5,755.62	-369.69	-0.01	73.29	0.00	0.00	0.00
5,900.00	15.00	180.00	5,852.21	-395.58	-0.01	78.42	0.00	0.00	0.00
6,000.00	15.00	180.00	5,948.80	-421.47	-0.02	83.55	0.00	0.00	0.00
6,100.00	15.00	180.00	6,045.39	-447.36	-0.02	88.68	0.00	0.00	0.00
6,200.00	15.00	180.00	6,141.98	-473.25	-0.02	93.82	0.00	0.00	0.00
6,300.00	15.00	180.00	6,238.57	-499.14	-0.02	98.95	0.00	0.00	0.00
6,400.00	15.00	180.00	6,335.16	-525.03	-0.02	104.08	0.00	0.00	0.00
6,500.00	15.00	180.00	6,431.75	-550.92	-0.02	109.21	0.00	0.00	0.00
6,600.00	15.00	180.00	6,528.34	-576.81	-0.02	114.35	0.00	0.00	0.00
6,700.00	15.00	180.00	6,624.94	-602.70	-0.02	119.48	0.00	0.00	0.00
6,800.00	15.00	180.00	6,721.53	-628.59	-0.02	124.61	0.00	0.00	0.00
6,900.00	15.00	180.00	6,818.12	-654.48	-0.02	129.74	0.00	0.00	0.00
7,000.00	15.00	180.00	6,914.71	-680.37	-0.02	134.88	0.00	0.00	0.00
7,100.00	15.00	180.00	7,011.30	-706.26	-0.03	140.01	0.00	0.00	0.00
7,200.00	15.00	180.00	7,107.89	-732.15	-0.03	145.14	0.00	0.00	0.00
7,300.00	15.00	180.00	7,204.48	-758.04	-0.03	150.27	0.00	0.00	0.00
7,400.00	15.00	180.00	7,301.07	-783.93	-0.03	155.40	0.00	0.00	0.00
7,500.00	15.00	180.00	7,397.66	-809.82	-0.03	160.54	0.00	0.00	0.00
7,600.00	15.00	180.00	7,494.25	-835.71	-0.03	165.67	0.00	0.00	0.00
7,700.00	15.00	180.00	7,590.84	-861.60	-0.03	170.80	0.00	0.00	0.00
7,800.00	15.00	180.00	7,687.43	-887.49	-0.03	175.93	0.00	0.00	0.00
7,900.00	15.00	180.00	7,784.02	-913.38	-0.03	181.07	0.00	0.00	0.00
8,000.00	15.00	180.00	7,880.61	-939.27	-0.03	186.20	0.00	0.00	0.00
8,100.00	15.00	180.00	7,977.20	-965.16	-0.03	191.33	0.00	0.00	0.00
8,200.00	15.00	180.00	8,073.79	-991.05	-0.04	196.46	0.00	0.00	0.00
8,255.91	15.00	180.00	8,127.79	-1,005.52	-0.04	199.33	0.00	0.00	0.00
Begin 2.00°/100' Drop									
8,300.00	14.12	180.00	8,170.47	-1,016.61	-0.04	201.53	2.00	-2.00	0.00
8,400.00	12.12	180.00	8,267.85	-1,039.30	-0.04	206.03	2.00	-2.00	0.00
8,500.00	10.11	180.00	8,365.97	-1,058.57	-0.04	209.85	2.00	-2.00	0.00
8,600.00	8.11	180.00	8,464.71	-1,074.40	-0.04	212.99	2.00	-2.00	0.00



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 501H
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:	501H	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)
8,700.00	6.10	180.00	8,563.94	-1,086.77	-0.04	215.44	2.00	-2.00	0.00
8,800.00	4.10	180.00	8,663.54	-1,095.66	-0.04	217.20	2.00	-2.00	0.00
8,900.00	2.09	180.00	8,763.38	-1,101.05	-0.04	218.27	2.00	-2.00	0.00
9,000.00	0.09	180.00	8,863.36	-1,102.95	-0.04	218.65	2.00	-2.00	0.00
9,004.30	0.00	0.00	8,867.67	-1,102.96	-0.04	218.65	2.00	-2.00	0.00
Begin Vertical Hold									
9,104.30	0.00	0.00	8,967.67	-1,102.96	-0.04	218.65	0.00	0.00	0.00
KOP2, Begin 12.00°/100' Build									
9,200.00	11.48	269.70	9,062.72	-1,103.01	-9.60	228.03	12.00	12.00	0.00
9,300.00	23.48	269.70	9,157.93	-1,103.16	-39.58	257.45	12.00	12.00	0.00
9,400.00	35.48	269.70	9,244.82	-1,103.42	-88.71	305.65	12.00	12.00	0.00
9,500.00	47.48	269.70	9,319.60	-1,103.76	-154.83	370.53	12.00	12.00	0.00
9,600.00	59.48	269.70	9,378.99	-1,104.18	-235.05	449.24	12.00	12.00	0.00
9,700.00	71.48	269.70	9,420.41	-1,104.65	-325.87	538.35	12.00	12.00	0.00
9,800.00	83.48	269.70	9,442.05	-1,105.15	-423.31	633.96	12.00	12.00	0.00
9,859.14	90.58	269.70	9,445.11	-1,105.46	-482.33	691.87	12.00	12.00	0.00
LP, Hold 90.58° Inc at 269.70° Azm									
9,900.00	90.58	269.70	9,444.69	-1,105.67	-523.19	731.96	0.00	0.00	0.00
10,000.00	90.58	269.70	9,443.68	-1,106.19	-623.18	830.07	0.00	0.00	0.00
10,100.00	90.58	269.70	9,442.67	-1,106.71	-723.18	928.18	0.00	0.00	0.00
10,200.00	90.58	269.70	9,441.66	-1,107.23	-823.17	1,026.30	0.00	0.00	0.00
10,300.00	90.58	269.70	9,440.64	-1,107.75	-923.16	1,124.41	0.00	0.00	0.00
10,400.00	90.58	269.70	9,439.63	-1,108.26	-1,023.16	1,222.52	0.00	0.00	0.00
10,500.00	90.58	269.70	9,438.62	-1,108.78	-1,123.15	1,320.63	0.00	0.00	0.00
10,600.00	90.58	269.70	9,437.61	-1,109.30	-1,223.15	1,418.75	0.00	0.00	0.00
10,700.00	90.58	269.70	9,436.59	-1,109.82	-1,323.14	1,516.86	0.00	0.00	0.00
10,800.00	90.58	269.70	9,435.58	-1,110.34	-1,423.13	1,614.97	0.00	0.00	0.00
10,900.00	90.58	269.70	9,434.57	-1,110.86	-1,523.13	1,713.08	0.00	0.00	0.00
11,000.00	90.58	269.70	9,433.56	-1,111.38	-1,623.12	1,811.20	0.00	0.00	0.00
11,100.00	90.58	269.70	9,432.55	-1,111.90	-1,723.11	1,909.31	0.00	0.00	0.00
11,200.00	90.58	269.70	9,431.53	-1,112.41	-1,823.11	2,007.42	0.00	0.00	0.00
11,300.00	90.58	269.70	9,430.52	-1,112.93	-1,923.10	2,105.53	0.00	0.00	0.00
11,400.00	90.58	269.70	9,429.51	-1,113.45	-2,023.09	2,203.65	0.00	0.00	0.00
11,500.00	90.58	269.70	9,428.50	-1,113.97	-2,123.09	2,301.76	0.00	0.00	0.00
11,600.00	90.58	269.70	9,427.48	-1,114.49	-2,223.08	2,399.87	0.00	0.00	0.00
11,700.00	90.58	269.70	9,426.47	-1,115.01	-2,323.07	2,497.99	0.00	0.00	0.00
11,800.00	90.58	269.70	9,425.46	-1,115.53	-2,423.07	2,596.10	0.00	0.00	0.00
11,900.00	90.58	269.70	9,424.45	-1,116.05	-2,523.06	2,694.21	0.00	0.00	0.00
12,000.00	90.58	269.70	9,423.43	-1,116.57	-2,623.05	2,792.32	0.00	0.00	0.00
12,100.00	90.58	269.70	9,422.42	-1,117.08	-2,723.05	2,890.44	0.00	0.00	0.00
12,200.00	90.58	269.70	9,421.41	-1,117.60	-2,823.04	2,988.55	0.00	0.00	0.00
12,300.00	90.58	269.70	9,420.40	-1,118.12	-2,923.04	3,086.66	0.00	0.00	0.00
12,400.00	90.58	269.70	9,419.39	-1,118.64	-3,023.03	3,184.77	0.00	0.00	0.00
12,500.00	90.58	269.70	9,418.37	-1,119.16	-3,123.02	3,282.89	0.00	0.00	0.00
12,600.00	90.58	269.70	9,417.36	-1,119.68	-3,223.02	3,381.00	0.00	0.00	0.00
12,700.00	90.58	269.70	9,416.35	-1,120.20	-3,323.01	3,479.11	0.00	0.00	0.00
12,800.00	90.58	269.70	9,415.34	-1,120.72	-3,423.00	3,577.22	0.00	0.00	0.00
12,900.00	90.58	269.70	9,414.32	-1,121.23	-3,523.00	3,675.34	0.00	0.00	0.00
13,000.00	90.58	269.70	9,413.31	-1,121.75	-3,622.99	3,773.45	0.00	0.00	0.00
13,100.00	90.58	269.70	9,412.30	-1,122.27	-3,722.98	3,871.56	0.00	0.00	0.00
13,200.00	90.58	269.70	9,411.29	-1,122.79	-3,822.98	3,969.67	0.00	0.00	0.00
13,300.00	90.58	269.70	9,410.28	-1,123.31	-3,922.97	4,067.79	0.00	0.00	0.00
13,400.00	90.58	269.70	9,409.26	-1,123.83	-4,022.96	4,165.90	0.00	0.00	0.00



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 501H
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:	501H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 12-14-21		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,500.00	90.58	269.70	9,408.25	-1,124.35	-4,122.96	4,264.01	0.00	0.00	0.00
13,600.00	90.58	269.70	9,407.24	-1,124.87	-4,222.95	4,362.12	0.00	0.00	0.00
13,700.00	90.58	269.70	9,406.23	-1,125.38	-4,322.95	4,460.24	0.00	0.00	0.00
13,800.00	90.58	269.70	9,405.21	-1,125.90	-4,422.94	4,558.35	0.00	0.00	0.00
13,900.00	90.58	269.70	9,404.20	-1,126.42	-4,522.93	4,656.46	0.00	0.00	0.00
14,000.00	90.58	269.70	9,403.19	-1,126.94	-4,622.93	4,754.57	0.00	0.00	0.00
14,100.00	90.58	269.70	9,402.18	-1,127.46	-4,722.92	4,852.69	0.00	0.00	0.00
14,200.00	90.58	269.70	9,401.16	-1,127.98	-4,822.91	4,950.80	0.00	0.00	0.00
14,300.00	90.58	269.70	9,400.15	-1,128.50	-4,922.91	5,048.91	0.00	0.00	0.00
14,400.00	90.58	269.70	9,399.14	-1,129.02	-5,022.90	5,147.02	0.00	0.00	0.00
14,500.00	90.58	269.70	9,398.13	-1,129.54	-5,122.89	5,245.14	0.00	0.00	0.00
14,600.00	90.58	269.70	9,397.12	-1,130.05	-5,222.89	5,343.25	0.00	0.00	0.00
14,700.00	90.58	269.70	9,396.10	-1,130.57	-5,322.88	5,441.36	0.00	0.00	0.00
14,800.00	90.58	269.70	9,395.09	-1,131.09	-5,422.87	5,539.48	0.00	0.00	0.00
14,900.00	90.58	269.70	9,394.08	-1,131.61	-5,522.87	5,637.59	0.00	0.00	0.00
14,975.14	90.58	269.70	9,393.32	-1,132.00	-5,598.00	5,711.31	0.00	0.00	0.00
TD at 14975.14									

Design Targets									
Target Name	- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	
	- Shape								Latitude Longitude
BHL - Phantom Bank	- plan hits target center	0.00	0.00	9,393.32	-1,132.00	-5,598.00	364,490.00	657,409.00	32° 0' 3.889238 N 3° 49' 31.982275 W
	- Point								
LTP - Phantom Bank	- plan misses target center by 5.15usft at 14900.00usft MD (9394.08 TVD, -1131.61 N, -5522.87 E)	0.00	0.00	9,394.03	-1,132.00	-5,528.00	364,490.00	657,479.00	32° 0' 3.885983 N 3° 49' 31.169380 W
	- Point								
FTP - Phantom Bank	- plan misses target center by 8.11usft at 9772.19usft MD (9438.09 TVD, -1105.01 N, -395.79 E)	0.00	0.00	9,446.00	-1,105.00	-394.00	364,517.00	662,613.00	32° 0' 3.910559 N 3° 48' 31.547943 W
	- Point								

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
4,748.40	4,739.87	-97.44	0.00	Hold 15.00° Inc at 180.00° Azm
8,255.91	8,127.79	-1,005.52	-0.04	Begin 2.00°/100' Drop
9,004.30	8,867.67	-1,102.96	-0.04	Begin Vertical Hold
9,104.30	8,967.67	-1,102.96	-0.04	KOP2, Begin 12.00°/100' Build
9,859.14	9,445.11	-1,105.46	-482.33	LP, Hold 90.58° Inc at 269.70° Azm
14,975.14	9,393.32	-1,132.00	-5,598.00	TD at 14975.14



Flat Creek Resources, LLC

Eddy County, NM (NAD27 NME)

Phantom Bank 31 Fed Com

501H

OH

Plan 1 12-14-21

Anticollision Report

14 December, 2021





Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 501H
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:	501H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

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

Survey Tool Program	Date	12/14/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	14,975.14	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						
502H - OH / 67810 - Surveys (H&P 653)	4,139.08	4,144.45	106.25	83.91	4.755	CC, ES
502H - OH / 67810 - Surveys (H&P 653)	4,200.00	4,205.28	106.60	84.05	4.727	SF
504H - OH / 67811 - Surveys (H&P 653)	7,384.21	7,277.24	118.47	85.99	3.647	CC, ES
504H - OH / 67811 - Surveys (H&P 653)	7,400.00	7,292.37	118.56	86.01	3.642	SF
506H - OH / 67812 - Surveys (H&P 653)	794.45	801.04	172.90	164.06	19.571	CC
506H - OH / 67812 - Surveys (H&P 653)	1,700.00	1,706.14	176.05	163.12	13.614	ES
506H - OH / 67812 - Surveys (H&P 653)	4,000.00	4,003.47	203.69	182.28	9.516	SF
508H - OH / 67813 - Surveys (H&P 653)	8,950.31	8,803.39	99.38	56.80	2.334	CC
508H - OH / 67813 - Surveys (H&P 653)	9,000.00	8,853.13	99.56	56.80	2.329	ES
508H - OH / 67813 - Surveys (H&P 653)	9,104.30	8,957.41	100.36	57.16	2.323	SF
701H - OH - Plan 1 12-14-21	4,000.00	4,000.00	90.00	73.47	5.446	CC, ES, SF
702H - OH - Plan 1 12-14-21	4,000.00	4,000.00	60.00	43.47	3.631	CC, ES, SF
703H - OH - Plan 1 12-14-21	4,000.00	4,000.00	30.00	13.47	1.815	CC, ES, SF

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)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	1.49	-0.01	1.00	1.00	44.43	101.00	99.00	141.43				
100.00	100.00	100.90	99.40	1.09	1.22	44.33	101.32	98.98	141.64	139.34	2.31	61.435	
200.00	200.00	200.29	198.79	1.60	1.72	44.05	102.26	98.93	142.28	138.97	3.31	42.977	
300.00	300.00	299.50	297.98	2.01	2.20	43.59	103.85	98.87	143.40	139.21	4.19	34.246	
400.00	400.00	398.74	397.20	2.35	2.56	43.12	105.88	99.14	145.07	140.21	4.87	29.807	
500.00	500.00	501.15	499.60	2.65	2.95	42.93	107.07	99.58	146.22	140.67	5.55	26.335	
600.00	600.00	597.78	596.22	2.93	3.47	42.80	108.34	100.31	147.69	141.36	6.34	23.305	
700.00	700.00	697.08	695.47	3.18	4.21	42.36	111.15	101.34	150.48	143.18	7.30	20.608	
800.00	800.00	796.57	794.89	3.41	4.88	41.55	114.98	101.89	153.71	145.53	8.19	18.779	
900.00	900.00	897.65	895.88	3.64	5.14	40.45	119.27	101.69	156.79	148.13	8.66	18.111	
1,000.00	1,000.00	998.89	997.07	3.85	5.42	39.71	122.24	101.50	158.91	149.79	9.12	17.422	
1,100.00	1,100.00	1,100.80	1,098.96	4.05	5.67	39.46	123.81	101.90	160.36	150.73	9.63	16.648	
1,200.00	1,200.00	1,204.13	1,202.29	4.24	6.04	39.60	123.25	101.95	159.97	149.74	10.22	15.646	
1,300.00	1,300.00	1,305.20	1,303.33	4.43	7.16	40.03	120.92	101.55	157.94	146.98	10.96	14.408	
1,400.00	1,400.00	1,404.99	1,403.10	4.61	8.44	40.44	118.63	101.10	155.89	144.19	11.71	13.317	

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 501H
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:	501H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 502H - OH / 67810 - Surveys (H&P 653)													Offset Site Error: 0.00 usft
Survey Program: 220-MWD+HRGM													Offset Well Error: 1.00 usft
Rule Assigned:													
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
1,500.00	1,500.00	1,505.04	1,503.12	4.78	8.95	40.86	116.38	100.66	153.91	141.73	12.18	12.638	
1,600.00	1,600.00	1,605.16	1,603.21	4.95	9.19	41.40	113.87	100.39	151.83	139.21	12.62	12.029	
1,700.00	1,700.00	1,705.34	1,703.35	5.12	9.43	42.02	111.16	100.16	149.66	136.60	13.06	11.457	
1,800.00	1,800.00	1,805.52	1,803.50	5.28	9.66	42.63	108.38	99.78	147.35	133.86	13.50	10.916	
1,900.00	1,900.00	1,905.91	1,903.84	5.44	9.88	43.25	105.46	99.21	144.84	130.92	13.93	10.400	
2,000.00	2,000.00	2,006.24	2,004.11	5.59	10.11	43.89	102.34	98.43	142.05	127.70	14.35	9.898	
2,100.00	2,100.00	2,106.23	2,104.05	5.75	10.32	44.57	99.09	97.61	139.15	124.38	14.77	9.418	
2,200.00	2,200.00	2,206.12	2,203.88	5.89	10.54	45.32	95.76	96.84	136.25	121.05	15.20	8.965	
2,300.00	2,300.00	2,305.73	2,303.44	6.04	10.75	46.09	92.58	96.17	133.54	117.92	15.62	8.549	
2,400.00	2,400.00	2,405.49	2,403.15	6.19	10.95	46.86	89.61	95.61	131.08	115.04	16.04	8.173	
2,500.00	2,500.00	2,505.46	2,503.08	6.33	11.16	47.62	86.72	95.02	128.68	112.23	16.45	7.821	
2,600.00	2,600.00	2,605.21	2,602.79	6.47	11.36	48.39	83.87	94.44	126.34	109.48	16.86	7.493	
2,700.00	2,700.00	2,704.73	2,702.27	6.61	11.56	49.35	80.98	94.30	124.32	107.06	17.26	7.201	
2,800.00	2,800.00	2,804.48	2,801.97	6.74	11.75	50.44	78.10	94.53	122.64	104.97	17.66	6.942	
2,900.00	2,900.00	2,904.40	2,901.86	6.88	11.94	51.33	75.63	94.52	121.07	103.01	18.05	6.706	
3,000.00	3,000.00	3,004.12	3,001.56	7.01	12.13	52.05	73.55	94.33	119.63	101.20	18.43	6.490	
3,100.00	3,100.00	3,103.78	3,101.21	7.14	12.31	52.74	71.72	94.28	118.46	99.66	18.80	6.300	
3,200.00	3,200.00	3,203.60	3,201.01	7.27	12.49	53.55	69.82	94.54	117.53	98.37	19.16	6.134	
3,300.00	3,300.00	3,303.41	3,300.78	7.40	12.68	54.74	67.40	95.35	116.77	97.24	19.52	5.981	
3,400.00	3,400.00	3,403.23	3,400.56	7.52	12.86	56.25	64.56	96.60	116.19	96.32	19.87	5.846	
3,500.00	3,500.00	3,503.14	3,500.40	7.65	13.05	57.97	61.42	98.19	115.82	95.59	20.22	5.727	
3,600.00	3,600.00	3,603.94	3,601.15	7.77	13.22	59.51	58.42	99.23	115.15	94.59	20.57	5.599	
3,700.00	3,700.00	3,704.63	3,701.80	7.90	13.40	60.61	55.85	99.16	113.82	92.92	20.90	5.446	
3,800.00	3,800.00	3,804.95	3,802.09	8.02	13.57	61.50	53.47	98.50	112.10	90.85	21.25	5.276	
3,900.00	3,900.00	3,905.20	3,902.32	8.14	13.73	62.27	51.21	97.43	110.09	88.51	21.59	5.100	
4,000.00	4,000.00	4,005.36	4,002.45	8.26	13.89	62.76	49.38	95.92	107.91	85.99	21.92	4.922	
4,100.00	4,099.98	4,105.40	4,102.46	8.38	14.04	-117.86	47.91	94.06	106.39	84.18	22.21	4.790	
4,139.08	4,139.03	4,144.45	4,141.49	8.52	14.11	-118.50	47.25	93.38	106.25	83.91	22.34	4.755 CC, ES	
4,200.00	4,199.84	4,205.28	4,202.31	8.74	14.20	-119.90	46.10	92.41	106.60	84.05	22.55	4.727 SF	
4,300.00	4,299.45	4,305.16	4,302.15	9.11	14.37	-123.29	44.00	90.90	108.80	85.87	22.94	4.744	
4,400.00	4,398.70	4,404.75	4,401.71	9.48	14.54	-128.11	42.16	89.06	113.38	89.99	23.39	4.848	
4,500.00	4,497.45	4,503.34	4,500.27	9.85	14.74	-133.66	40.42	87.26	121.19	97.25	23.93	5.064	
4,600.00	4,595.60	4,601.36	4,598.27	10.24	14.96	-139.04	38.38	86.35	133.01	108.46	24.55	5.417	
4,700.00	4,693.02	4,699.41	4,696.29	10.62	15.20	-144.16	36.26	85.74	148.80	123.56	25.24	5.896	
4,748.40	4,739.87	4,746.59	4,743.46	10.72	15.32	-146.58	35.34	85.23	157.82	132.31	25.51	6.186	
4,800.00	4,789.72	4,796.75	4,793.60	10.80	15.44	-149.11	34.42	84.51	168.07	142.29	25.78	6.519	
4,900.00	4,886.31	4,893.34	4,890.17	10.99	15.70	-153.26	32.83	83.01	188.79	162.47	26.32	7.173	
5,000.00	4,982.90	4,989.82	4,986.63	11.20	15.96	-156.57	31.43	81.64	210.52	183.67	26.86	7.839	
5,100.00	5,079.49	5,086.53	5,083.33	11.43	16.19	-159.17	30.04	80.69	232.96	205.59	27.37	8.512	
5,200.00	5,176.08	5,183.36	5,180.14	11.68	16.42	-161.14	28.47	80.46	255.84	227.96	27.88	9.176	
5,300.00	5,272.67	5,280.38	5,277.14	11.94	16.67	-162.77	26.87	80.38	278.98	250.56	28.42	9.816	
5,400.00	5,369.26	5,377.38	5,374.14	12.22	16.92	-164.20	25.34	80.05	302.31	273.34	28.97	10.435	
5,500.00	5,465.85	5,474.51	5,471.25	12.51	17.17	-165.46	23.85	79.48	325.76	296.23	29.53	11.031	
5,600.00	5,562.44	5,572.11	5,568.83	12.81	17.43	-166.60	22.33	78.70	349.29	319.19	30.10	11.603	
5,700.00	5,659.03	5,671.47	5,668.17	13.13	17.68	-167.50	20.20	78.50	372.49	341.80	30.69	12.137	
5,800.00	5,755.62	5,770.11	5,766.77	13.46	17.92	-168.13	17.32	79.15	395.18	363.90	31.28	12.633	
5,900.00	5,852.21	5,866.76	5,863.37	13.79	18.17	-168.66	14.43	80.04	417.91	386.02	31.88	13.107	
6,000.00	5,948.80	5,964.17	5,960.74	14.14	18.43	-169.13	11.65	80.93	440.79	408.29	32.50	13.563	
6,100.00	6,045.39	6,062.78	6,059.30	14.50	18.69	-169.63	8.73	81.25	463.49	430.35	33.14	13.987	
6,200.00	6,141.98	6,160.65	6,157.12	14.86	18.97	-170.16	5.71	80.93	485.99	452.20	33.78	14.385	
6,300.00	6,238.57	6,257.76	6,254.19	15.23	19.25	-170.67	2.76	80.35	508.53	474.09	34.44	14.764	
6,400.00	6,335.16	6,354.87	6,351.26	15.61	19.53	-171.15	-0.12	79.62	531.16	496.05	35.11	15.129	

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 501H
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:	501H	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			Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,500.00	6,431.75	6,452.00	6,448.34	16.00	19.81	-171.57	-3.00	79.10	553.85	518.07	35.78	15.479		
6,600.00	6,528.34	6,549.55	6,545.84	16.39	20.09	-171.95	-5.90	78.64	576.57	540.11	36.46	15.815		
6,700.00	6,624.94	6,647.31	6,643.56	16.79	20.37	-172.35	-8.79	77.65	599.25	562.11	37.14	16.135		
6,800.00	6,721.53	6,744.23	6,740.42	17.19	20.65	-172.76	-11.65	76.33	621.94	584.12	37.82	16.443		
6,900.00	6,818.12	6,840.84	6,836.99	17.60	20.93	-173.12	-14.41	75.20	644.75	606.24	38.51	16.743		
7,000.00	6,914.71	6,938.55	6,934.65	18.01	21.22	-173.44	-17.19	74.24	667.62	628.41	39.21	17.029		
7,100.00	7,011.30	7,036.57	7,032.62	18.43	21.50	-173.74	-20.09	73.36	690.41	650.50	39.91	17.299		
7,200.00	7,107.89	7,134.10	7,130.11	18.85	21.79	-173.99	-23.07	72.68	713.15	672.53	40.62	17.558		
7,300.00	7,204.48	7,231.61	7,227.58	19.28	22.07	-174.21	-26.10	72.32	735.87	694.54	41.33	17.805		
7,400.00	7,301.07	7,329.32	7,325.23	19.70	22.36	-174.40	-29.18	72.09	758.57	716.52	42.05	18.040		
7,500.00	7,397.66	7,426.94	7,422.80	20.14	22.65	-174.59	-32.30	71.79	781.24	738.47	42.77	18.266		
7,600.00	7,494.25	7,523.18	7,518.99	20.57	22.93	-174.77	-35.30	71.37	803.97	760.48	43.49	18.487		
7,700.00	7,590.84	7,619.33	7,615.10	21.01	23.21	-174.95	-38.15	70.77	826.84	782.64	44.21	18.705		
7,800.00	7,687.43	7,715.26	7,710.99	21.45	23.49	-175.14	-40.84	70.10	849.87	804.96	44.92	18.920		
7,900.00	7,784.02	7,810.30	7,806.00	21.89	23.76	-175.31	-43.34	69.41	873.08	827.45	45.63	19.136		
8,000.00	7,880.61	7,900.85	7,896.52	22.34	24.00	-175.45	-45.26	69.02	896.81	850.53	46.28	19.376		
8,100.00	7,977.20	7,990.89	7,986.55	22.79	24.22	-175.56	-46.53	69.05	921.27	874.34	46.92	19.634		
8,200.00	8,073.79	8,078.91	8,074.57	23.24	24.26	-175.67	-47.02	69.10	946.55	899.18	47.38	19.978		
8,255.91	8,127.79	8,127.92	8,123.58	23.48	24.29	-175.73	-46.92	69.00	961.09	913.46	47.63	20.179		
8,300.00	8,170.47	8,169.00	8,164.66	23.68	24.31	-175.81	-46.64	68.86	972.42	924.59	47.83	20.330		
8,400.00	8,267.85	8,266.46	8,262.12	24.17	24.28	-175.95	-45.93	68.73	995.77	947.48	48.29	20.621		
8,500.00	8,365.97	8,367.36	8,363.02	24.69	24.24	-176.03	-45.53	69.15	1,015.41	966.61	48.80	20.809		
8,600.00	8,464.71	8,466.95	8,462.61	25.20	24.25	-176.11	-45.29	69.22	1,031.45	982.13	49.31	20.916		
8,700.00	8,563.94	8,571.99	8,567.64	25.68	24.31	-176.23	-45.13	68.32	1,043.89	994.02	49.87	20.931		
8,800.00	8,663.54	8,694.28	8,689.91	26.14	24.52	-176.34	-46.80	67.08	1,051.33	1,000.71	50.63	20.767		
8,900.00	8,763.38	8,801.26	8,796.84	26.55	24.79	-176.40	-50.01	66.12	1,053.66	1,002.33	51.33	20.527		
9,000.00	8,863.36	8,901.53	8,897.06	26.70	25.09	-176.45	-53.15	65.18	1,052.36	1,000.59	51.78	20.325		
9,004.30	8,867.67	8,905.85	8,901.37	26.71	25.10	3.55	-53.29	65.14	1,052.23	1,000.43	51.79	20.315		
9,100.00	8,963.36	9,002.88	8,998.35	26.77	25.39	3.51	-56.40	64.12	1,049.11	996.97	52.14	20.122		
9,104.30	8,967.67	9,007.25	9,002.72	26.77	25.40	3.51	-56.54	64.07	1,048.96	996.81	52.15	20.113		
9,125.00	8,988.35	9,028.27	9,023.72	26.77	25.46	93.90	-57.23	63.83	1,048.30	996.08	52.22	20.075		
9,150.00	9,013.29	9,053.62	9,049.06	26.77	25.54	94.07	-58.08	63.51	1,047.57	995.27	52.30	20.030		
9,175.00	9,038.10	9,078.86	9,074.28	26.77	25.61	94.30	-58.92	63.19	1,046.93	994.55	52.38	19.987		
9,200.00	9,062.72	9,103.93	9,099.33	26.78	25.69	94.58	-59.77	62.85	1,046.38	993.92	52.47	19.944		
9,225.00	9,087.08	9,129.05	9,124.44	26.78	25.76	94.93	-60.64	62.53	1,045.96	993.40	52.55	19.903		
9,250.00	9,111.11	9,153.86	9,149.23	26.78	25.83	95.33	-61.52	62.26	1,045.66	993.02	52.64	19.864		
9,275.00	9,134.75	9,178.26	9,173.61	26.79	25.90	95.77	-62.40	62.04	1,045.52	992.79	52.73	19.828		
9,281.95	9,141.24	9,184.95	9,180.30	26.79	25.92	95.90	-62.65	61.99	1,045.51	992.76	52.75	19.819		
9,300.00	9,157.93	9,202.15	9,197.49	26.79	25.97	96.25	-63.29	61.88	1,045.56	992.75	52.82	19.796		
9,325.00	9,180.59	9,225.48	9,220.80	26.80	26.04	96.75	-64.17	61.77	1,045.83	992.93	52.90	19.769		
9,350.00	9,202.66	9,248.16	9,243.47	26.81	26.11	97.27	-65.05	61.70	1,046.36	993.37	52.99	19.747		
9,375.00	9,224.09	9,270.15	9,265.43	26.82	26.18	97.79	-65.91	61.68	1,047.18	994.11	53.07	19.732		
9,400.00	9,244.82	9,291.36	9,286.62	26.83	26.24	98.30	-66.76	61.69	1,048.34	995.19	53.15	19.724		
9,425.00	9,264.79	9,294.00	9,289.27	26.85	26.25	98.18	-66.87	61.70	1,050.03	996.92	53.11	19.772		
9,450.00	9,283.94	9,324.34	9,319.59	26.87	26.34	98.99	-68.01	61.74	1,051.96	998.71	53.26	19.752		
9,475.00	9,302.23	9,339.54	9,334.78	26.90	26.39	99.25	-68.52	61.76	1,054.53	1,001.23	53.30	19.784		
9,500.00	9,319.60	9,353.99	9,349.22	26.93	26.43	99.44	-68.95	61.77	1,057.65	1,004.30	53.34	19.827		
9,525.00	9,336.00	9,367.64	9,362.87	26.96	26.48	99.56	-69.33	61.78	1,061.33	1,007.95	53.38	19.883		
9,550.00	9,351.40	9,380.46	9,375.68	27.01	26.52	99.59	-69.64	61.78	1,065.60	1,012.19	53.41	19.952		
9,575.00	9,365.74	9,392.42	9,387.63	27.06	26.56	99.53	-69.91	61.78	1,070.48	1,017.05	53.43	20.034		
9,600.00	9,378.99	9,403.47	9,398.69	27.12	26.59	99.37	-70.13	61.78	1,075.98	1,022.54	53.45	20.131		
9,625.00	9,391.12	9,413.59	9,408.80	27.20	26.62	99.10	-70.31	61.78	1,082.12	1,028.66	53.46	20.242		

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 501H
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:	501H	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												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)			
9,650.00	9,402.08	9,422.75	9,417.96	27.28	26.65	98.72	-70.46	61.77	1,088.89	1,035.43	53.46	20.368	
9,675.00	9,411.86	9,430.92	9,426.13	27.37	26.68	98.20	-70.58	61.77	1,096.29	1,042.84	53.45	20.509	
9,700.00	9,420.41	9,438.08	9,433.30	27.48	26.70	97.56	-70.67	61.76	1,104.32	1,050.88	53.44	20.665	
9,725.00	9,427.73	9,444.21	9,439.43	27.60	26.72	96.79	-70.74	61.76	1,112.97	1,059.56	53.42	20.835	
9,750.00	9,433.78	9,449.30	9,444.51	27.73	26.74	95.87	-70.79	61.75	1,122.22	1,068.84	53.39	21.021	
9,775.00	9,438.56	9,453.31	9,448.52	27.88	26.75	94.81	-70.83	61.75	1,132.05	1,078.70	53.35	21.221	
9,800.00	9,442.05	9,456.26	9,451.47	28.04	26.76	93.61	-70.86	61.74	1,142.42	1,089.13	53.30	21.435	
9,825.00	9,444.23	9,458.11	9,453.32	28.21	26.76	92.26	-70.87	61.74	1,153.31	1,100.08	53.24	21.663	
9,850.00	9,445.11	9,458.87	9,454.08	28.39	26.77	90.77	-70.88	61.74	1,164.68	1,111.51	53.17	21.904	
9,859.14	9,445.11	9,458.88	9,454.09	28.46	26.77	90.19	-70.88	61.74	1,168.95	1,115.81	53.14	21.996	
9,900.00	9,444.69	9,458.58	9,453.79	28.79	26.76	90.17	-70.88	61.74	1,188.71	1,135.69	53.02	22.420	
10,000.00	9,443.68	9,457.84	9,453.05	29.72	26.76	90.13	-70.87	61.74	1,241.41	1,188.71	52.70	23.558	
10,100.00	9,442.67	9,457.10	9,452.31	30.81	26.76	90.09	-70.87	61.74	1,299.68	1,247.31	52.36	24.820	
10,200.00	9,441.66	9,456.36	9,451.57	32.03	26.76	90.05	-70.86	61.74	1,362.80	1,310.77	52.03	26.192	
10,300.00	9,440.64	9,455.61	9,450.82	33.36	26.76	90.01	-70.85	61.74	1,430.14	1,378.43	51.71	27.659	
10,400.00	9,439.63	9,454.86	9,450.07	34.79	26.75	89.97	-70.85	61.74	1,501.12	1,449.72	51.40	29.205	
10,500.00	9,438.62	9,454.12	9,449.33	36.31	26.75	89.93	-70.84	61.75	1,575.25	1,524.14	51.11	30.819	
10,600.00	9,437.61	9,453.36	9,448.57	37.90	26.75	89.88	-70.83	61.75	1,652.12	1,601.27	50.85	32.492	
10,700.00	9,436.59	9,452.61	9,447.82	39.56	26.75	89.84	-70.83	61.75	1,731.34	1,680.74	50.60	34.214	
10,800.00	9,435.58	9,451.85	9,447.06	41.28	26.74	89.80	-70.82	61.75	1,812.62	1,762.24	50.38	35.977	
10,900.00	9,434.57	9,451.09	9,446.30	43.04	26.74	89.76	-70.81	61.75	1,895.70	1,845.51	50.18	37.777	
11,000.00	9,433.56	9,450.33	9,445.54	44.86	26.74	89.72	-70.80	61.75	1,980.33	1,930.33	50.00	39.606	
11,100.00	9,432.55	9,449.57	9,444.78	46.71	26.74	89.67	-70.80	61.75	2,066.34	2,016.51	49.84	41.462	
11,200.00	9,431.53	9,448.81	9,444.02	48.60	26.73	89.63	-70.79	61.75	2,153.56	2,103.87	49.69	43.339	
11,300.00	9,430.52	13,332.00	11,417.83	50.52	55.16	154.14	-149.93	-1,982.43	2,209.14	2,131.69	77.45	28.523	
11,391.80	9,429.59	13,389.59	11,416.51	52.31	56.25	154.14	-150.37	-2,040.01	2,208.14	2,129.21	78.93	27.976	
11,400.00	9,429.51	13,393.74	11,416.47	52.47	56.33	154.14	-150.40	-2,044.16	2,208.15	2,129.10	79.05	27.933	
11,500.00	9,428.50	13,478.54	11,416.66	54.44	57.95	154.15	-150.84	-2,128.95	2,209.17	2,128.31	80.86	27.321	
11,600.00	9,427.48	13,593.39	11,416.22	56.44	60.17	154.17	-151.98	-2,243.80	2,209.51	2,126.55	82.96	26.633	
11,700.00	9,426.47	13,724.48	11,414.84	58.46	62.75	154.21	-154.38	-2,374.85	2,208.87	2,123.64	85.23	25.917	
11,800.00	9,425.46	13,801.00	11,413.45	60.50	64.27	154.20	-154.57	-2,451.36	2,208.24	2,121.22	87.02	25.375	
11,803.18	9,425.43	13,801.00	11,413.45	60.56	64.27	154.20	-154.57	-2,451.36	2,208.24	2,121.19	87.05	25.366	
11,900.00	9,424.45	13,886.59	11,412.36	62.55	66.00	154.18	-154.07	-2,536.94	2,208.48	2,119.55	88.94	24.832	
12,000.00	9,423.43	14,017.14	11,410.51	64.62	68.64	154.17	-154.78	-2,667.47	2,208.05	2,116.72	91.33	24.178	
12,100.00	9,422.42	14,118.01	11,409.93	66.70	70.70	154.23	-157.74	-2,768.30	2,207.39	2,114.05	93.34	23.650	
12,200.00	9,421.41	14,209.81	11,409.02	68.80	72.58	154.29	-160.84	-2,860.03	2,206.21	2,110.95	95.26	23.159	
12,228.50	9,421.12	14,226.41	11,409.03	69.40	72.92	154.31	-161.39	-2,876.62	2,206.13	2,110.42	95.71	23.050	
12,300.00	9,420.40	14,269.00	11,409.51	70.91	73.80	154.35	-162.82	-2,919.19	2,206.62	2,109.79	96.83	22.788	
12,400.00	9,419.39	14,385.61	11,411.72	73.02	76.21	154.48	-167.62	-3,035.68	2,207.71	2,108.76	98.95	22.311	
12,500.00	9,418.37	14,534.01	11,412.44	75.15	79.30	154.68	-175.96	-3,183.84	2,206.72	2,105.40	101.32	21.780	
12,600.00	9,417.36	14,683.87	11,408.73	77.29	82.44	154.84	-184.55	-3,333.39	2,202.77	2,099.02	103.75	21.232	
12,700.00	9,416.35	14,763.29	11,405.85	79.43	84.12	154.86	-186.81	-3,412.73	2,199.41	2,093.78	105.63	20.822	
12,800.00	9,415.34	14,846.61	11,403.16	81.58	85.89	154.87	-188.44	-3,495.98	2,196.79	2,089.22	107.58	20.421	
12,900.00	9,414.32	14,924.00	11,401.69	83.74	87.54	154.90	-190.19	-3,573.34	2,195.22	2,085.80	109.43	20.061	
13,000.00	9,413.31	15,060.98	11,398.65	85.91	90.46	154.96	-194.22	-3,710.22	2,193.05	2,081.14	111.91	19.596	
13,100.00	9,412.30	15,189.30	11,393.11	88.08	93.22	154.93	-195.79	-3,838.40	2,189.82	2,075.38	114.44	19.136	
13,200.00	9,411.29	15,244.41	11,390.26	90.26	94.40	154.90	-195.76	-3,893.45	2,186.48	2,070.29	116.19	18.818	
13,294.22	9,410.33	15,298.00	11,389.19	92.32	95.56	154.88	-195.58	-3,947.02	2,185.72	2,067.91	117.81	18.553	
13,300.00	9,410.28	15,298.00	11,389.19	92.44	95.56	154.88	-195.58	-3,947.02	2,185.72	2,067.85	117.87	18.544	
13,400.00	9,409.26	15,361.35	11,389.38	94.63	96.93	154.88	-195.63	-4,010.36	2,186.90	2,067.31	119.60	18.286	
13,500.00	9,408.25	15,468.63	11,390.77	96.82	99.25	154.93	-197.04	-4,117.63	2,188.68	2,066.87	121.81	17.968	
13,600.00	9,407.24	15,599.79	11,391.60	99.02	102.09	155.01	-200.24	-4,248.75	2,189.36	2,065.11	124.25	17.621	

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 501H
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:	501H	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)			
13,674.13	9,406.49	15,673.00	11,391.30	100.65	103.68	155.06	-202.26	-4,321.93	2,189.06	2,063.29	125.78	17.404	
13,700.00	9,406.23	15,673.00	11,391.30	101.22	103.68	155.06	-202.26	-4,321.93	2,189.22	2,063.21	126.01	17.374	
13,800.00	9,405.21	15,729.14	11,391.98	103.42	104.90	155.10	-203.64	-4,378.04	2,190.86	2,063.32	127.54	17.178	
13,900.00	9,404.20	15,771.31	11,394.05	105.63	105.82	155.14	-204.57	-4,420.15	2,195.42	2,066.64	128.79	17.047	
14,000.00	9,403.19	15,997.12	11,401.37	107.84	110.75	155.31	-208.36	-4,645.72	2,199.32	2,066.80	132.52	16.596	
14,100.00	9,402.18	16,137.37	11,398.12	110.06	113.83	155.25	-207.44	-4,785.93	2,198.68	2,063.28	135.40	16.238	
14,200.00	9,401.16	16,300.27	11,390.71	112.27	117.40	155.19	-208.26	-4,948.66	2,195.44	2,056.95	138.49	15.852	
14,300.00	9,400.15	16,412.22	11,383.92	114.49	119.86	155.15	-210.00	-5,060.38	2,190.40	2,049.47	140.93	15.542	
14,400.00	9,399.14	16,516.00	11,377.28	116.72	122.14	155.13	-212.32	-5,163.93	2,184.78	2,041.52	143.26	15.251	
14,500.00	9,398.13	16,590.57	11,373.08	118.94	123.78	155.14	-214.43	-5,238.35	2,179.72	2,034.50	145.22	15.009	
14,600.00	9,397.12	16,694.77	11,369.12	121.17	126.08	155.19	-218.60	-5,342.39	2,175.74	2,028.35	147.38	14.762	
14,700.00	9,396.10	16,818.71	11,363.71	123.40	128.81	155.29	-225.11	-5,466.03	2,170.67	2,021.03	149.64	14.506	
14,800.00	9,395.09	16,859.00	11,361.74	125.63	129.70	155.31	-227.20	-5,506.22	2,166.03	2,014.89	151.14	14.331	
14,858.75	9,394.50	16,859.00	11,361.74	126.94	129.70	155.31	-227.20	-5,506.22	2,165.23	2,013.53	151.70	14.273	
14,900.00	9,394.08	16,859.00	11,361.74	127.86	129.70	155.31	-227.20	-5,506.22	2,165.63	2,013.59	152.04	14.244	
14,975.14	9,393.32	16,859.00	11,361.74	129.54	129.70	155.31	-227.20	-5,506.22	2,168.36	2,015.84	152.52	14.217	

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 501H
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:	501H	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				Rule Assigned:				Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
0.00	0.00	0.00	12.50	1.00	1.00	173.22	-883.00	105.00	889.31						
100.00	100.00	86.05	98.55	1.09	1.28	173.22	-883.08	104.95	889.29	886.93	2.36	376.366			
200.00	200.00	184.40	196.90	1.60	1.98	173.23	-883.35	104.79	889.55	885.97	3.58	248.819			
300.00	300.00	282.75	295.25	2.01	2.80	173.26	-883.82	104.50	889.99	885.18	4.81	185.136			
400.00	400.00	387.11	399.61	2.35	3.47	173.29	-884.28	104.00	890.38	884.56	5.81	153.132			
500.00	500.00	494.03	506.52	2.65	4.08	173.34	-884.01	103.15	890.03	883.33	6.71	132.695			
600.00	600.00	604.17	616.65	2.93	4.34	173.41	-882.66	101.99	888.69	881.46	7.23	122.914			
700.00	700.00	706.37	718.82	3.18	4.74	173.46	-880.72	100.95	886.69	878.82	7.87	112.722			
800.00	800.00	808.49	820.92	3.41	5.11	173.50	-878.52	100.08	884.44	875.98	8.46	104.491			
900.00	900.00	910.46	922.85	3.64	5.41	173.51	-876.02	99.66	881.97	872.99	8.98	98.207			
1,000.00	1,000.00	1,005.41	1,017.78	3.85	5.73	173.52	-873.86	99.24	879.65	870.15	9.51	92.526			
1,100.00	1,100.00	1,100.66	1,113.01	4.05	6.06	173.58	-872.32	98.20	877.92	867.89	10.03	87.507			
1,200.00	1,200.00	1,198.29	1,210.62	4.24	6.45	173.65	-871.14	96.87	876.57	865.98	10.60	82.725			
1,300.00	1,300.00	1,296.91	1,309.23	4.43	6.85	173.74	-870.21	95.50	875.48	864.33	11.15	78.492			
1,400.00	1,400.00	1,398.76	1,411.07	4.61	7.25	173.82	-869.17	94.18	874.32	862.62	11.71	74.688			
1,500.00	1,500.00	1,499.14	1,511.43	4.78	7.64	173.89	-867.95	92.98	872.99	860.75	12.24	71.324			
1,600.00	1,600.00	1,597.22	1,609.50	4.95	8.00	173.96	-866.89	91.77	871.79	859.04	12.75	68.395			
1,700.00	1,700.00	1,694.30	1,706.57	5.12	8.35	174.04	-866.10	90.46	870.84	857.62	13.22	65.885			
1,800.00	1,800.00	1,790.30	1,802.55	5.28	8.67	174.15	-865.77	88.76	870.31	856.66	13.65	63.757			
1,855.06	1,855.06	1,842.82	1,855.06	5.37	8.83	174.22	-865.80	87.64	870.22	856.35	13.88	62.710			
1,900.00	1,900.00	1,884.41	1,896.64	5.44	8.93	174.27	-865.96	86.83	870.31	856.28	14.02	62.056			
2,000.00	2,000.00	1,976.97	1,989.19	5.59	9.14	174.36	-866.84	85.57	871.12	856.77	14.35	60.709			
2,100.00	2,100.00	2,071.56	2,083.76	5.75	9.35	174.41	-868.44	84.94	872.73	858.05	14.68	59.461			
2,200.00	2,200.00	2,168.06	2,180.24	5.89	9.56	174.48	-870.51	84.17	874.79	859.78	15.01	58.282			
2,300.00	2,300.00	2,267.50	2,279.63	6.04	9.78	174.56	-872.96	83.15	877.15	861.80	15.35	57.143			
2,400.00	2,400.00	2,369.02	2,381.12	6.19	10.02	174.65	-875.35	82.03	879.39	863.69	15.70	56.024			
2,500.00	2,500.00	2,470.42	2,482.50	6.33	10.26	174.73	-877.55	80.92	881.45	865.40	16.05	54.936			
2,600.00	2,600.00	2,571.80	2,583.85	6.47	10.50	174.80	-879.58	79.99	883.36	866.96	16.39	53.883			
2,700.00	2,700.00	2,672.37	2,684.40	6.61	10.74	174.86	-881.45	79.24	885.15	868.41	16.74	52.887			
2,800.00	2,800.00	2,772.97	2,784.99	6.74	10.97	174.91	-883.26	78.65	886.88	869.79	17.09	51.906			
2,900.00	2,900.00	2,876.45	2,888.44	6.88	11.22	174.98	-884.89	77.80	888.38	870.95	17.43	50.962			
3,000.00	3,000.00	2,978.67	2,990.65	7.01	11.47	175.07	-886.16	76.40	889.50	871.73	17.77	50.065			
3,100.00	3,100.00	3,076.78	3,088.74	7.14	11.68	175.14	-887.39	75.45	890.66	872.57	18.09	49.248			
3,200.00	3,200.00	3,174.01	3,185.96	7.27	11.88	175.16	-888.75	75.30	892.04	873.64	18.40	48.481			
3,300.00	3,300.00	3,269.41	3,281.35	7.40	12.02	175.11	-890.43	76.18	893.87	875.16	18.71	47.772			
3,400.00	3,400.00	3,362.48	3,374.37	7.52	12.16	175.00	-892.49	78.08	896.26	877.24	19.02	47.123			
3,500.00	3,500.00	3,451.30	3,463.10	7.65	12.28	174.85	-895.36	80.69	899.74	880.42	19.32	46.559			
3,600.00	3,600.00	3,545.30	3,556.95	7.77	12.42	174.65	-899.44	84.20	904.39	884.75	19.64	46.047			
3,700.00	3,700.00	3,655.44	3,666.93	7.90	12.57	174.41	-903.67	88.50	908.59	888.59	20.00	45.431			
3,800.00	3,800.00	3,771.96	3,783.32	8.02	12.71	174.15	-906.59	92.84	911.48	891.14	20.34	44.809			
3,900.00	3,900.00	3,893.71	3,905.01	8.14	12.83	173.91	-906.97	96.74	912.12	891.46	20.66	44.139			
4,000.00	4,000.00	3,995.70	4,006.96	8.26	12.93	173.73	-906.00	99.47	911.47	890.53	20.94	43.523			
4,100.00	4,099.98	4,098.63	4,109.86	8.38	13.04	-6.44	-904.83	101.75	908.85	887.64	21.21	42.854			
4,200.00	4,199.84	4,205.44	4,216.65	8.74	13.14	-6.61	-903.06	103.39	902.17	880.46	21.71	41.563			
4,300.00	4,299.45	4,312.45	4,323.62	9.11	13.26	-6.78	-900.52	104.25	891.23	869.02	22.21	40.131			
4,400.00	4,398.70	4,419.58	4,430.69	9.48	13.40	-7.00	-896.99	105.05	875.95	853.23	22.72	38.557			
4,500.00	4,497.45	4,520.07	4,531.09	9.85	13.53	-7.26	-892.95	105.81	856.55	833.32	23.23	36.872			
4,600.00	4,595.60	4,616.97	4,627.91	10.24	13.66	-7.56	-889.07	106.33	833.76	810.01	23.75	35.111			
4,700.00	4,693.02	4,712.32	4,723.19	10.62	13.80	-7.90	-885.37	106.60	807.70	783.42	24.28	33.270			
4,748.40	4,739.87	4,758.06	4,768.90	10.72	13.87	-8.07	-883.66	106.61	793.95	769.51	24.44	32.481			
4,800.00	4,789.72	4,806.73	4,817.54	10.80	13.95	-8.22	-881.90	106.54	778.92	754.33	24.60	31.665			
4,900.00	4,886.31	4,905.01	4,915.75	10.99	14.11	-8.54	-878.26	106.32	749.74	724.80	24.94	30.061			

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 501H
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:	501H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 504H - OH / 67811 - Surveys (H&P 653)													Offset Site Error: 0.00 usft		
Survey Program: 312-MWD+HRGM				Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error: 1.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
5,000.00	4,982.90	5,004.07	5,014.72	11.20	14.28	-8.90	-874.08	106.33	720.11	694.80	25.31	28.452			
5,100.00	5,079.49	5,098.11	5,108.67	11.43	14.44	-9.30	-869.91	106.50	690.34	664.63	25.70	26.857			
5,200.00	5,176.08	5,191.82	5,202.29	11.68	14.60	-9.73	-865.98	106.77	660.84	634.72	26.12	25.303			
5,300.00	5,272.67	5,284.15	5,294.55	11.94	14.77	-10.19	-862.45	107.02	631.72	605.17	26.55	23.792			
5,400.00	5,369.26	5,376.63	5,386.98	12.22	14.94	-10.67	-859.43	107.12	603.15	576.15	27.00	22.338			
5,500.00	5,465.85	5,478.51	5,488.80	12.51	15.13	-11.27	-855.91	107.28	574.46	546.99	27.46	20.916			
5,600.00	5,562.44	5,580.97	5,591.14	12.81	15.32	-12.01	-850.95	107.89	544.60	516.67	27.93	19.497			
5,700.00	5,659.03	5,673.05	5,683.10	13.13	15.51	-12.78	-846.18	108.59	514.54	486.11	28.43	18.098			
5,800.00	5,755.62	5,765.98	5,775.92	13.46	15.69	-13.63	-841.80	109.27	485.02	456.08	28.94	16.761			
5,900.00	5,852.21	5,859.13	5,868.98	13.79	15.88	-14.55	-837.92	109.76	456.07	426.61	29.45	15.484			
6,000.00	5,948.80	5,952.75	5,962.54	14.14	16.08	-15.53	-834.57	109.89	427.69	397.72	29.98	14.268			
6,100.00	6,045.39	6,050.67	6,060.40	14.50	16.28	-16.75	-830.92	110.28	399.38	368.90	30.49	13.099			
6,200.00	6,141.98	6,147.73	6,157.35	14.86	16.48	-18.29	-826.52	111.45	370.75	339.75	31.00	11.961			
6,300.00	6,238.57	6,241.99	6,251.50	15.23	16.68	-20.07	-822.15	112.75	342.38	310.87	31.51	10.867			
6,400.00	6,335.16	6,336.42	6,345.83	15.61	16.88	-22.11	-818.13	113.85	314.63	282.63	32.00	9.832			
6,500.00	6,431.75	6,430.57	6,439.90	16.00	17.08	-24.57	-814.34	115.36	287.69	255.23	32.46	8.864			
6,600.00	6,528.34	6,525.32	6,534.55	16.39	17.28	-27.68	-810.64	117.61	261.82	228.96	32.86	7.967			
6,700.00	6,624.94	6,623.00	6,632.14	16.79	17.49	-31.46	-806.68	119.38	236.47	203.29	33.19	7.126			
6,800.00	6,721.53	6,720.05	6,729.09	17.19	17.71	-35.85	-802.47	119.90	211.36	177.93	33.43	6.322			
6,900.00	6,818.12	6,815.52	6,824.47	17.60	17.94	-41.16	-798.25	119.95	187.36	153.78	33.58	5.579			
7,000.00	6,914.71	6,911.03	6,919.88	18.01	18.17	-47.87	-794.06	119.87	165.31	131.76	33.55	4.928			
7,100.00	7,011.30	7,006.66	7,015.43	18.43	18.40	-56.28	-789.98	119.53	146.01	112.73	33.29	4.386			
7,200.00	7,107.89	7,102.07	7,110.76	18.85	18.64	-66.65	-786.08	118.90	130.62	97.78	32.84	3.977			
7,300.00	7,204.48	7,196.98	7,205.60	19.28	18.87	-78.84	-782.56	118.50	121.04	88.60	32.44	3.731			
7,384.21	7,285.82	7,277.24	7,285.81	19.64	19.07	-89.99	-779.86	118.45	118.47	85.99	32.48	3.647 CC, ES			
7,400.00	7,301.07	7,292.37	7,300.93	19.70	19.11	-92.13	-779.33	118.45	118.56	86.01	32.55	3.642 SF			
7,500.00	7,397.66	7,387.84	7,396.32	20.14	19.35	-105.54	-775.40	118.33	123.27	89.81	33.46	3.685			
7,600.00	7,494.25	7,482.91	7,491.27	20.57	19.59	-117.75	-770.59	118.05	134.88	99.92	34.96	3.858			
7,700.00	7,590.84	7,578.39	7,586.64	21.01	19.84	-127.76	-765.96	117.83	151.84	115.25	36.59	4.150			
7,800.00	7,687.43	7,674.42	7,682.58	21.45	20.09	-135.59	-761.80	117.69	172.28	134.18	38.10	4.522			
7,900.00	7,784.02	7,771.09	7,779.18	21.89	20.34	-141.71	-758.16	117.36	194.67	155.24	39.44	4.937			
8,000.00	7,880.61	7,868.14	7,876.18	22.34	20.58	-146.55	-755.07	116.77	218.15	177.54	40.61	5.371			
8,100.00	7,977.20	7,965.56	7,973.56	22.79	20.82	-150.46	-752.52	115.83	242.19	200.51	41.67	5.812			
8,200.00	8,073.79	8,061.69	8,069.66	23.24	21.05	-153.64	-750.40	114.63	266.60	223.97	42.63	6.254			
8,255.91	8,127.79	8,114.70	8,122.64	23.48	21.18	-155.16	-749.12	114.01	280.66	237.55	43.11	6.510			
8,300.00	8,170.47	8,156.55	8,164.48	23.68	21.28	-156.32	-748.04	113.54	291.66	248.18	43.48	6.708			
8,400.00	8,267.85	8,251.00	8,258.89	24.17	21.52	-158.46	-745.27	112.72	315.03	270.72	44.32	7.108			
8,500.00	8,365.97	8,345.31	8,353.14	24.69	21.76	-159.99	-741.90	112.66	336.38	291.24	45.13	7.453			
8,600.00	8,464.71	8,443.25	8,450.99	25.20	22.01	-161.13	-737.90	113.16	355.30	309.35	45.95	7.733			
8,700.00	8,563.94	8,544.07	8,551.74	25.68	22.28	-162.08	-734.04	112.95	370.58	323.82	46.76	7.925			
8,800.00	8,663.54	8,642.63	8,650.23	26.14	22.55	-162.84	-730.40	112.15	382.33	334.83	47.50	8.049			
8,900.00	8,763.38	8,740.46	8,747.97	26.55	22.81	-163.40	-726.40	111.46	391.20	343.04	48.16	8.123			
9,000.00	8,863.36	8,839.55	8,846.96	26.70	23.09	-163.77	-722.03	110.84	397.07	348.49	48.59	8.172			
9,004.30	8,867.67	8,843.82	8,851.23	26.71	23.10	16.22	-721.83	110.81	397.26	348.65	48.61	8.173			
9,100.00	8,963.36	8,938.94	8,946.25	26.77	23.37	15.96	-717.49	110.17	401.27	352.34	48.93	8.200			
9,104.30	8,967.67	8,943.22	8,950.53	26.77	23.38	15.94	-717.29	110.14	401.46	352.51	48.95	8.202			
9,125.00	8,988.35	8,964.37	8,971.65	26.77	23.44	106.13	-716.32	109.99	402.46	353.44	49.02	8.211			
9,150.00	9,013.29	8,989.97	8,997.22	26.77	23.51	106.13	-715.19	109.80	403.96	354.87	49.09	8.229			
9,175.00	9,038.10	9,015.46	9,022.69	26.77	23.58	106.27	-714.10	109.60	405.79	356.64	49.15	8.256			
9,200.00	9,062.72	9,040.77	9,047.98	26.78	23.65	106.54	-713.05	109.39	407.97	358.78	49.19	8.294			
9,225.00	9,087.08	9,065.83	9,073.02	26.78	23.72	106.94	-712.06	109.18	410.52	361.31	49.21	8.342			
9,250.00	9,111.11	9,090.57	9,097.74	26.78	23.79	107.44	-711.12	108.96	413.49	364.28	49.21	8.403			

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 501H
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:	501H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 504H - OH / 67811 - Surveys (H&P 653)													Offset Site Error: 0.00 usft	
Survey Program: 312-MWD+HRGM		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned: 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	
9,275.00	9,134.75	9,114.93	9,122.08	26.79	23.86	108.03	-710.24	108.73	416.92	367.73	49.19	8.476		
9,300.00	9,157.93	9,138.71	9,145.85	26.79	23.92	108.68	-709.41	108.49	420.85	371.71	49.14	8.565		
9,325.00	9,180.59	9,161.52	9,168.64	26.80	23.99	109.35	-708.61	108.23	425.37	376.31	49.06	8.671		
9,350.00	9,202.66	9,183.80	9,190.90	26.81	24.05	110.03	-707.82	107.93	430.53	381.58	48.95	8.795		
9,375.00	9,224.09	9,205.50	9,212.58	26.82	24.10	110.69	-707.03	107.59	436.40	387.57	48.82	8.938		
9,400.00	9,244.82	9,226.56	9,233.63	26.83	24.16	111.33	-706.25	107.21	443.01	394.33	48.67	9.102		
9,425.00	9,264.79	9,246.94	9,253.99	26.85	24.22	111.92	-705.48	106.81	450.41	401.91	48.50	9.287		
9,450.00	9,283.94	9,266.58	9,273.61	26.87	24.27	112.43	-704.72	106.38	458.64	410.34	48.31	9.494		
9,475.00	9,302.23	9,285.42	9,292.44	26.90	24.32	112.84	-703.99	105.94	467.75	419.65	48.09	9.726		
9,500.00	9,319.60	9,303.42	9,310.42	26.93	24.37	113.14	-703.28	105.48	477.74	429.87	47.87	9.981		
9,525.00	9,336.00	9,320.54	9,327.51	26.96	24.41	113.29	-702.59	105.02	488.64	441.02	47.62	10.261		
9,550.00	9,351.40	9,338.21	9,345.16	27.01	24.45	113.42	-701.90	104.52	500.44	453.06	47.37	10.563		
9,575.00	9,365.74	9,354.81	9,361.75	27.06	24.49	113.38	-701.33	104.04	513.10	465.99	47.12	10.890		
9,600.00	9,378.99	9,370.26	9,377.18	27.12	24.53	113.12	-700.85	103.59	526.65	479.80	46.85	11.241		
9,625.00	9,391.12	9,384.49	9,391.41	27.20	24.56	112.63	-700.45	103.16	541.05	494.48	46.58	11.617		
9,650.00	9,402.08	9,397.49	9,404.39	27.28	24.59	111.88	-700.13	102.77	556.31	510.01	46.30	12.016		
9,675.00	9,411.86	9,409.19	9,416.09	27.37	24.62	110.83	-699.87	102.41	572.38	526.36	46.02	12.437		
9,700.00	9,420.41	9,419.58	9,426.46	27.48	24.64	109.46	-699.67	102.08	589.22	543.48	45.74	12.881		
9,725.00	9,427.73	9,428.61	9,435.49	27.60	24.66	107.73	-699.51	101.79	606.80	561.33	45.47	13.345		
9,750.00	9,433.78	9,436.26	9,443.13	27.73	24.68	105.62	-699.39	101.55	625.05	579.85	45.20	13.828		
9,775.00	9,438.56	9,442.50	9,449.37	27.88	24.69	103.08	-699.31	101.35	643.92	598.98	44.94	14.329		
9,800.00	9,442.05	9,447.32	9,454.18	28.04	24.71	100.10	-699.24	101.19	663.33	618.66	44.68	14.847		
9,825.00	9,444.23	9,450.68	9,457.55	28.21	24.71	96.66	-699.21	101.08	683.23	638.80	44.43	15.379		
9,850.00	9,445.11	9,452.59	9,459.45	28.39	24.72	92.77	-699.18	101.02	703.53	659.35	44.18	15.924		
9,859.14	9,445.11	9,452.92	9,459.78	28.46	24.72	91.24	-699.18	101.01	711.03	666.94	44.09	16.126		
9,900.00	9,444.69	9,453.96	9,460.82	28.79	24.72	91.39	-699.17	100.98	745.04	701.32	43.72	17.041		
10,000.00	9,443.68	9,456.51	9,463.38	29.72	24.73	91.75	-699.14	100.89	830.88	787.92	42.96	19.340		
10,100.00	9,442.67	9,459.09	9,465.95	30.81	24.73	92.12	-699.12	100.81	919.58	877.20	42.38	21.698		
10,200.00	9,441.66	9,461.70	9,468.55	32.03	24.74	92.49	-699.09	100.72	1,010.38	968.45	41.93	24.097		
10,300.00	9,440.64	9,464.32	9,471.18	33.36	24.74	92.86	-699.07	100.63	1,102.78	1,061.20	41.58	26.522		
10,400.00	9,439.63	9,466.97	9,473.82	34.79	24.75	93.23	-699.05	100.55	1,196.39	1,155.08	41.30	28.966		
10,500.00	9,438.62	9,469.63	9,476.49	36.31	24.76	93.61	-699.03	100.46	1,290.95	1,249.87	41.08	31.422		
10,600.00	9,437.61	9,472.33	9,479.18	37.90	24.76	93.99	-699.01	100.37	1,386.27	1,345.36	40.91	33.886		
10,700.00	9,436.59	9,475.04	9,481.89	39.56	24.77	94.38	-699.00	100.28	1,482.21	1,441.44	40.77	36.355		
10,800.00	9,435.58	9,477.78	9,484.63	41.28	24.78	94.76	-698.98	100.19	1,578.65	1,537.99	40.66	38.825		
10,900.00	9,434.57	12,365.71	11,039.33	43.04	44.09	164.51	-666.26	-1,544.54	1,665.34	1,607.77	57.58	28.923		
11,000.00	9,433.56	12,463.89	11,038.20	44.86	45.90	164.51	-666.82	-1,642.71	1,665.20	1,606.39	58.81	28.316		
11,025.88	9,433.30	12,488.48	11,037.89	45.34	46.36	164.51	-666.77	-1,667.30	1,665.19	1,606.06	59.13	28.160		
11,100.00	9,432.55	12,554.49	11,037.30	46.71	47.60	164.50	-666.76	-1,733.30	1,665.38	1,605.32	60.06	27.728		
11,200.00	9,431.53	12,657.83	11,036.68	48.60	49.58	164.48	-666.87	-1,836.65	1,665.89	1,604.51	61.38	27.142		
11,300.00	9,430.52	12,774.42	11,035.17	50.52	51.85	164.47	-667.22	-1,953.22	1,665.67	1,602.90	62.77	26.535		
11,400.00	9,429.51	12,875.31	11,033.59	52.47	53.84	164.49	-668.52	-2,054.09	1,664.94	1,600.81	64.13	25.961		
11,500.00	9,428.50	12,973.07	11,032.53	54.44	55.80	164.57	-671.33	-2,151.80	1,664.24	1,598.77	65.47	25.420		
11,600.00	9,427.48	13,066.97	11,032.14	56.44	57.69	164.70	-675.46	-2,245.61	1,663.78	1,597.01	66.77	24.917		
11,640.50	9,427.07	13,103.51	11,032.18	57.26	58.43	164.75	-677.31	-2,282.10	1,663.74	1,596.44	67.30	24.723		
11,700.00	9,426.47	13,158.33	11,032.45	58.46	59.54	164.85	-680.28	-2,336.84	1,663.83	1,595.78	68.06	24.447		
11,800.00	9,425.46	13,260.95	11,033.23	60.50	61.64	165.04	-686.13	-2,439.29	1,664.21	1,594.83	69.38	23.989		
11,900.00	9,424.45	13,367.96	11,032.54	62.55	63.87	165.15	-689.60	-2,546.24	1,663.84	1,593.03	70.80	23.499		
12,000.00	9,423.43	13,473.81	11,031.39	64.62	66.09	165.15	-690.34	-2,652.07	1,663.73	1,591.41	72.33	23.003		
12,100.00	9,422.42	13,593.21	11,027.88	66.70	68.61	165.05	-688.54	-2,771.41	1,662.37	1,588.34	74.03	22.456		
12,200.00	9,421.41	13,700.62	11,023.97	68.80	70.87	164.96	-687.02	-2,878.73	1,660.33	1,584.65	75.68	21.937		
12,300.00	9,420.40	13,799.09	11,020.61	70.91	72.96	164.92	-687.09	-2,977.14	1,658.13	1,580.87	77.27	21.460		

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 501H
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:	501H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 504H - OH / 67811 - Surveys (H&P 653)											Offset Site Error: 0.00 usft
Survey Program: 312-MWD+HRGM											Offset Well Error: 1.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	
12,400.00	9,419.39	13,902.15	11,017.33	73.02	75.16	164.91	-687.96	-3,080.15	1,655.95	1,577.09	
12,500.00	9,418.37	14,007.53	11,013.34	75.15	77.41	164.91	-689.27	-3,185.45	1,653.07	1,572.59	
12,600.00	9,417.36	14,078.00	11,011.30	77.29	78.93	164.89	-689.26	-3,255.88	1,651.36	1,569.41	
12,635.08	9,417.01	14,098.59	11,010.93	78.04	79.37	164.87	-689.03	-3,276.47	1,651.23	1,568.77	
12,700.00	9,416.35	14,140.58	11,010.58	79.43	80.28	164.84	-688.38	-3,318.45	1,651.68	1,568.27	
12,800.00	9,415.34	14,222.01	11,011.08	81.58	82.05	164.79	-686.71	-3,399.86	1,653.88	1,568.88	
12,900.00	9,414.32	14,386.99	11,010.19	83.74	85.62	164.70	-684.80	-3,564.81	1,654.99	1,567.80	
13,000.00	9,413.31	14,498.90	11,006.47	85.91	88.06	164.64	-684.38	-3,676.66	1,652.97	1,563.97	
13,100.00	9,412.30	14,594.60	11,003.74	88.08	90.15	164.65	-685.67	-3,772.31	1,650.98	1,560.34	
13,200.00	9,411.29	14,697.42	11,001.20	90.26	92.39	164.70	-688.03	-3,875.07	1,649.11	1,556.84	
13,300.00	9,410.28	14,793.91	10,998.83	92.44	94.50	164.77	-690.99	-3,971.48	1,647.05	1,553.21	
13,400.00	9,409.26	14,872.19	10,997.18	94.63	96.22	164.79	-692.26	-4,049.74	1,645.74	1,550.38	
13,429.46	9,408.96	14,893.19	10,996.91	95.28	96.68	164.79	-692.36	-4,070.74	1,645.67	1,549.85	
13,500.00	9,408.25	14,947.58	10,996.58	96.82	97.88	164.78	-692.23	-4,125.13	1,646.06	1,549.14	
13,600.00	9,407.24	15,034.72	10,996.96	99.02	99.80	164.79	-692.51	-4,212.26	1,647.50	1,548.98	
13,700.00	9,406.23	15,133.47	10,997.91	101.22	101.98	164.81	-693.34	-4,311.00	1,649.32	1,549.14	
13,800.00	9,405.21	15,232.29	10,999.03	103.42	104.16	164.87	-694.86	-4,409.81	1,651.13	1,549.32	
13,900.00	9,404.20	15,329.25	11,000.69	105.63	106.30	164.96	-697.34	-4,506.72	1,653.22	1,549.86	
14,000.00	9,403.19	15,448.19	11,002.35	107.84	108.93	165.08	-700.84	-4,625.59	1,654.95	1,549.91	
14,100.00	9,402.18	15,553.63	11,002.12	110.06	111.27	165.11	-702.18	-4,731.02	1,655.52	1,548.75	
14,200.00	9,401.16	15,705.53	10,999.66	112.27	114.64	165.17	-704.88	-4,882.86	1,654.63	1,545.84	
14,300.00	9,400.15	15,817.71	10,995.05	114.49	117.13	165.13	-705.36	-4,994.95	1,651.65	1,540.97	
14,400.00	9,399.14	15,916.69	10,990.84	116.72	119.33	165.13	-706.52	-5,093.84	1,648.35	1,535.92	
14,500.00	9,398.13	15,993.22	10,988.04	118.94	121.03	165.13	-707.46	-5,170.31	1,645.67	1,531.64	
14,600.00	9,397.12	16,068.12	10,986.58	121.17	122.71	165.11	-707.39	-5,245.19	1,644.86	1,529.20	
14,700.00	9,396.10	16,178.76	10,984.75	123.40	125.18	165.07	-707.03	-5,355.82	1,644.47	1,526.89	
14,800.00	9,395.09	16,304.44	10,981.06	125.63	127.98	165.04	-707.45	-5,481.44	1,642.62	1,523.02	
14,878.88	9,394.29	16,343.00	10,979.72	127.39	128.84	165.03	-707.74	-5,519.97	1,641.18	1,520.47	
14,900.00	9,394.08	16,343.00	10,979.72	127.86	128.84	165.03	-707.74	-5,519.97	1,641.32	1,520.41	
14,975.14	9,393.32	16,343.00	10,979.72	129.54	128.84	165.03	-707.74	-5,519.97	1,644.00	1,522.53	

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 501H
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:	501H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 506H - OH / 67812 - Surveys (H&P 653)													Offset Site Error: 0.00 usft
Survey Program: 220-MWD+HRGM													Offset Well Error: 1.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	6.59	0.09	1.00	1.00	33.25	151.00	99.00	180.56				
100.00	100.00	107.90	101.40	1.09	1.25	33.30	150.56	98.90	180.15	177.81	2.34	77.092	
200.00	200.00	209.20	202.69	1.60	1.77	33.44	149.36	98.63	179.01	175.64	3.37	53.146	
300.00	300.00	308.72	302.19	2.01	2.59	33.64	147.84	98.36	177.58	172.99	4.59	38.656	
400.00	400.00	408.04	401.51	2.35	3.49	33.85	146.62	98.32	176.54	170.71	5.83	30.290	
500.00	500.00	508.55	502.01	2.65	4.08	34.13	145.29	98.49	175.54	168.83	6.71	26.156	
600.00	600.00	608.79	602.24	2.93	4.66	34.56	143.50	98.84	174.26	166.72	7.55	23.088	
700.00	700.00	707.78	701.20	3.18	5.14	35.08	141.79	99.58	173.27	165.02	8.25	21.001	
794.45	794.45	801.04	794.45	3.40	5.54	35.64	140.51	100.74	172.90	164.06	8.83	19.571 CC	
800.00	800.00	806.48	799.89	3.41	5.55	35.67	140.46	100.82	172.90	164.04	8.86	19.515	
900.00	900.00	904.45	897.85	3.64	5.80	36.07	140.28	102.17	173.55	164.25	9.30	18.660	
1,000.00	1,000.00	1,004.46	997.85	3.85	6.00	36.29	141.03	103.55	174.98	165.29	9.68	18.072	
1,100.00	1,100.00	1,105.15	1,098.53	4.05	6.25	36.63	141.20	104.99	175.97	165.86	10.10	17.419	
1,200.00	1,200.00	1,205.54	1,198.91	4.24	6.58	36.99	141.12	106.32	176.69	166.11	10.58	16.697	
1,300.00	1,300.00	1,306.23	1,299.59	4.43	6.94	37.38	140.77	107.54	177.14	166.07	11.08	15.991	
1,400.00	1,400.00	1,407.08	1,400.42	4.61	7.32	37.89	139.79	108.80	177.14	165.56	11.58	15.298	
1,500.00	1,500.00	1,507.48	1,500.81	4.78	7.70	38.54	138.25	110.14	176.76	164.69	12.07	14.642	
1,600.00	1,600.00	1,607.75	1,601.05	4.95	8.09	39.32	136.34	111.66	176.23	163.68	12.56	14.034	
1,667.71	1,667.71	1,674.44	1,667.71	5.07	8.27	39.82	135.19	112.70	176.00	163.18	12.81	13.734	
1,700.00	1,700.00	1,706.14	1,699.41	5.12	8.34	39.99	134.89	113.13	176.05	163.12	12.93	13.614 ES	
1,800.00	1,800.00	1,806.00	1,799.27	5.28	8.58	40.24	135.04	114.28	176.91	163.62	13.29	13.308	
1,900.00	1,900.00	1,904.30	1,897.56	5.44	8.83	40.28	135.99	115.25	178.27	164.56	13.72	12.997	
2,000.00	2,000.00	2,004.23	1,997.48	5.59	9.10	40.33	136.93	116.26	179.64	165.50	14.14	12.705	
2,100.00	2,100.00	2,103.65	2,096.89	5.75	9.38	40.51	137.75	117.69	181.20	166.65	14.55	12.450	
2,200.00	2,200.00	2,203.03	2,196.24	5.89	9.68	40.85	138.46	119.73	183.08	168.12	14.97	12.234	
2,300.00	2,300.00	2,302.30	2,295.48	6.04	10.08	40.85	140.15	121.18	185.33	169.97	15.36	12.062	
2,400.00	2,400.00	2,401.89	2,395.02	6.19	10.49	40.31	143.25	121.54	187.93	172.14	15.79	11.899	
2,500.00	2,500.00	2,502.17	2,495.25	6.33	10.92	39.69	146.55	121.63	190.51	174.22	16.29	11.697	
2,600.00	2,600.00	2,602.62	2,595.66	6.47	11.23	39.11	149.65	121.64	192.90	176.18	16.72	11.536	
2,700.00	2,700.00	2,703.27	2,696.25	6.61	11.41	38.47	152.64	121.27	194.99	177.90	17.09	11.409	
2,800.00	2,800.00	2,804.10	2,797.04	6.74	11.57	37.77	155.49	120.47	196.72	179.27	17.45	11.275	
2,900.00	2,900.00	2,905.07	2,897.97	6.88	11.72	37.06	157.98	119.31	197.98	180.19	17.79	11.128	
3,000.00	3,000.00	3,005.45	2,998.32	7.01	11.87	36.37	160.13	117.93	198.88	180.75	18.13	10.969	
3,100.00	3,100.00	3,105.64	3,098.49	7.14	12.01	35.75	162.05	116.66	199.68	181.22	18.46	10.817	
3,200.00	3,200.00	3,206.43	3,199.26	7.27	12.15	35.26	163.51	115.62	200.26	181.49	18.77	10.668	
3,300.00	3,300.00	3,307.33	3,300.15	7.40	12.30	35.02	164.13	115.01	200.41	181.33	19.08	10.502	
3,400.00	3,400.00	3,408.35	3,401.18	7.52	12.49	35.07	163.75	114.96	200.08	180.73	19.35	10.339	
3,500.00	3,500.00	3,508.84	3,501.65	7.65	12.70	35.45	162.32	115.56	199.26	179.61	19.65	10.141	
3,591.23	3,591.23	3,598.43	3,591.23	7.76	12.93	35.77	161.38	116.24	198.88	178.86	20.03	9.931	
3,600.00	3,600.00	3,607.04	3,599.84	7.77	12.95	35.79	161.34	116.30	198.89	178.82	20.06	9.913	
3,700.00	3,700.00	3,705.51	3,698.31	7.90	13.19	35.90	161.51	116.93	199.40	178.93	20.47	9.743	
3,800.00	3,800.00	3,804.64	3,797.43	8.02	13.35	35.78	162.61	117.20	200.46	179.69	20.77	9.650	
3,900.00	3,900.00	3,903.93	3,896.70	8.14	13.52	35.43	164.54	117.04	201.95	180.86	21.08	9.578	
4,000.00	4,000.00	4,003.47	3,996.22	8.26	13.69	34.95	166.93	116.66	203.69	182.28	21.41	9.516 SF	
4,100.00	4,099.98	4,101.12	4,093.82	8.38	13.86	-145.84	169.83	116.21	207.33	185.58	21.74	9.536	
4,200.00	4,199.84	4,196.49	4,189.08	8.74	14.05	-147.14	174.29	116.33	215.67	193.38	22.29	9.676	
4,300.00	4,299.45	4,293.69	4,286.09	9.11	14.26	-148.86	180.37	117.01	228.75	205.88	22.88	9.999	
4,400.00	4,398.70	4,392.52	4,384.72	9.48	14.50	-150.80	186.58	117.65	245.07	221.55	23.51	10.422	
4,500.00	4,497.45	4,490.96	4,482.98	9.85	14.73	-152.82	192.55	118.13	264.47	240.36	24.11	10.970	
4,600.00	4,595.60	4,588.82	4,580.68	10.24	14.94	-154.86	198.23	118.35	286.95	262.27	24.69	11.624	
4,700.00	4,693.02	4,686.60	4,678.32	10.62	15.15	-156.83	203.51	118.40	312.49	287.20	25.29	12.357	
4,748.40	4,739.87	4,733.81	4,725.47	10.72	15.25	-157.73	205.82	118.44	325.88	300.38	25.50	12.778	

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 501H
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:	501H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 506H - OH / 67812 - Surveys (H&P 653)													Offset Site Error: 0.00 usft
Survey Program: 220-MWD+HRGM													Offset Well Error: 1.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance		Rule Assigned:		Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,800.00	4,789.72	4,784.12	4,775.73	10.80	15.36	-158.73	208.09	118.50	340.48	314.77	25.71	13.243	
4,900.00	4,886.31	4,880.87	4,872.39	10.99	15.57	-160.44	212.13	118.45	368.64	342.51	26.14	14.104	
5,000.00	4,982.90	4,977.53	4,968.98	11.20	15.78	-161.96	216.00	117.93	396.76	370.18	26.59	14.923	
5,100.00	5,079.49	5,074.04	5,065.41	11.43	15.97	-163.32	219.70	117.03	424.84	397.80	27.05	15.709	
5,200.00	5,176.08	5,170.62	5,161.92	11.68	16.17	-164.53	223.22	115.95	452.90	425.38	27.52	16.457	
5,300.00	5,272.67	5,267.58	5,258.81	11.94	16.36	-165.63	226.56	114.64	480.88	452.87	28.00	17.172	
5,400.00	5,369.26	5,364.58	5,355.75	12.22	16.55	-166.63	229.69	113.02	508.73	480.23	28.50	17.848	
5,500.00	5,465.85	5,459.56	5,450.66	12.51	16.74	-167.51	232.71	111.45	536.65	507.65	29.01	18.500	
5,600.00	5,562.44	5,554.35	5,545.39	12.81	16.94	-168.27	235.80	110.14	564.82	535.29	29.53	19.128	
5,700.00	5,659.03	5,646.62	5,637.61	13.13	17.15	-168.92	239.10	109.16	593.43	563.36	30.06	19.739	
5,800.00	5,755.62	5,738.78	5,729.68	13.46	17.36	-169.49	242.88	108.49	622.65	592.04	30.61	20.344	
5,900.00	5,852.21	5,836.63	5,827.44	13.79	17.53	-170.01	246.89	108.16	651.99	620.86	31.13	20.946	
6,000.00	5,948.80	5,934.67	5,925.41	14.14	17.73	-170.52	250.60	107.44	681.01	649.32	31.69	21.488	
6,100.00	6,045.39	6,032.34	6,023.01	14.50	17.93	-171.05	254.09	105.76	709.73	677.46	32.27	21.996	
6,200.00	6,141.98	6,127.54	6,118.12	14.86	18.14	-171.59	257.50	103.43	738.42	705.57	32.85	22.480	
6,300.00	6,238.57	6,223.37	6,213.84	15.23	18.34	-172.13	261.04	100.57	767.21	733.77	33.44	22.944	
6,400.00	6,335.16	6,322.27	6,312.63	15.61	18.54	-172.67	264.47	97.32	795.80	761.76	34.04	23.378	
6,500.00	6,431.75	6,419.06	6,409.32	16.00	18.75	-173.17	267.48	94.01	824.09	789.45	34.64	23.788	
6,600.00	6,528.34	6,510.25	6,500.42	16.39	18.95	-173.56	270.50	91.58	852.71	817.48	35.23	24.204	
6,700.00	6,624.94	6,603.25	6,593.34	16.79	19.17	-173.87	273.95	90.09	881.83	845.99	35.84	24.605	
6,800.00	6,721.53	6,702.19	6,692.23	17.19	19.42	-174.11	277.39	89.46	910.86	874.35	36.51	24.951	
6,900.00	6,818.12	6,801.02	6,791.00	17.60	19.68	-174.28	280.38	89.71	939.55	902.37	37.18	25.271	
7,000.00	6,914.71	6,899.34	6,889.29	18.01	19.94	-174.42	283.05	90.26	967.98	930.12	37.85	25.571	
7,100.00	7,011.30	6,996.75	6,986.67	18.43	20.19	-174.54	285.46	90.92	996.18	957.66	38.53	25.856	
7,200.00	7,107.89	7,092.95	7,082.84	18.85	20.44	-174.66	287.78	91.54	1,024.33	985.14	39.20	26.132	
7,300.00	7,204.48	7,191.45	7,181.31	19.28	20.70	-174.77	290.08	92.11	1,052.41	1,012.53	39.88	26.388	
7,400.00	7,301.07	7,292.35	7,282.19	19.70	20.96	-174.89	292.03	92.58	1,080.11	1,039.53	40.58	26.618	
7,500.00	7,397.66	7,389.38	7,379.20	20.14	21.20	-174.99	293.60	92.94	1,107.48	1,066.23	41.26	26.845	
7,600.00	7,494.25	7,484.15	7,473.96	20.57	21.44	-175.10	295.22	93.25	1,134.95	1,093.03	41.92	27.073	
7,700.00	7,590.84	7,582.37	7,572.16	21.01	21.68	-175.20	296.92	93.52	1,162.44	1,119.83	42.61	27.283	
7,800.00	7,687.43	7,682.43	7,672.22	21.45	21.93	-175.31	298.35	93.74	1,189.63	1,146.33	43.30	27.472	
7,900.00	7,784.02	7,780.26	7,770.03	21.89	22.16	-175.41	299.51	93.88	1,216.60	1,172.62	43.98	27.661	
8,000.00	7,880.61	7,877.58	7,867.35	22.34	22.39	-175.51	300.60	93.84	1,243.48	1,198.82	44.66	27.844	
8,100.00	7,977.20	7,973.78	7,963.54	22.79	22.60	-175.62	301.65	93.55	1,270.33	1,225.01	45.32	28.032	
8,200.00	8,073.79	8,069.81	8,059.57	23.24	22.80	-175.74	302.74	92.90	1,297.20	1,251.22	45.98	28.215	
8,255.91	8,127.79	8,123.25	8,113.00	23.48	22.91	-175.81	303.37	92.39	1,312.23	1,265.90	46.33	28.325	
8,300.00	8,170.47	8,165.45	8,155.19	23.68	23.00	-175.88	303.88	91.93	1,323.78	1,277.17	46.61	28.404	
8,400.00	8,267.85	8,261.75	8,251.48	24.17	23.19	-176.04	305.11	90.71	1,347.57	1,300.28	47.29	28.496	
8,500.00	8,365.97	8,357.64	8,347.36	24.69	23.39	-176.18	306.43	89.42	1,368.06	1,320.06	48.01	28.497	
8,600.00	8,464.71	8,450.00	8,439.69	25.20	23.58	-176.30	307.83	88.26	1,385.28	1,336.59	48.69	28.452	
8,700.00	8,563.94	8,542.21	8,531.87	25.68	23.79	-176.42	309.69	86.67	1,399.51	1,350.16	49.36	28.355	
8,800.00	8,663.54	8,638.00	8,627.58	26.14	24.01	-176.57	312.44	84.03	1,411.06	1,361.05	50.01	28.213	
8,900.00	8,763.38	8,736.69	8,726.16	26.55	24.21	-176.75	315.49	80.39	1,419.31	1,368.68	50.62	28.037	
9,000.00	8,863.36	8,843.85	8,833.17	26.70	24.44	-176.96	318.28	75.58	1,423.56	1,372.55	51.01	27.905	
9,004.30	8,867.67	8,848.37	8,837.69	26.71	24.45	3.04	318.39	75.36	1,423.66	1,372.63	51.03	27.899	
9,100.00	8,963.36	8,948.96	8,938.14	26.77	24.63	2.84	320.58	70.66	1,425.51	1,374.23	51.28	27.799	
9,104.30	8,967.67	8,953.48	8,942.66	26.77	24.64	2.83	320.67	70.45	1,425.59	1,374.30	51.29	27.794	
9,125.00	8,988.35	8,975.26	8,964.41	26.77	24.68	93.06	321.09	69.45	1,425.97	1,374.63	51.33	27.779	
9,150.00	9,013.29	9,001.56	8,990.68	26.77	24.73	93.03	321.58	68.26	1,426.47	1,375.08	51.38	27.760	
9,175.00	9,038.10	9,026.81	9,015.90	26.77	24.77	93.04	322.03	67.13	1,427.02	1,375.59	51.43	27.746	
9,200.00	9,062.72	9,051.16	9,040.22	26.78	24.82	93.09	322.47	66.04	1,427.65	1,376.18	51.47	27.736	
9,225.00	9,087.08	9,075.31	9,064.34	26.78	24.86	93.18	322.91	64.98	1,428.38	1,376.86	51.51	27.728	

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 501H
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:	501H	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:	
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)			
9,250.00	9,111.11	9,099.19	9,088.20	26.78	24.91	93.30	323.35	63.94	1,429.20	1,377.64	51.55	27.723	
9,275.00	9,134.75	9,122.73	9,111.71	26.79	24.95	93.46	323.79	62.92	1,430.13	1,378.54	51.59	27.721	
9,300.00	9,157.93	9,145.86	9,134.82	26.79	25.00	93.64	324.23	61.93	1,431.19	1,379.56	51.62	27.723	
9,325.00	9,180.59	9,168.53	9,157.46	26.80	25.04	93.84	324.67	60.97	1,432.39	1,380.73	51.66	27.729	
9,350.00	9,202.66	9,190.66	9,179.57	26.81	25.08	94.05	325.10	60.04	1,433.76	1,382.07	51.69	27.739	
9,375.00	9,224.09	9,213.11	9,201.99	26.82	25.12	94.30	325.55	59.11	1,435.32	1,383.59	51.72	27.751	
9,400.00	9,244.82	9,235.69	9,224.55	26.83	25.16	94.56	325.97	58.17	1,437.06	1,385.31	51.75	27.768	
9,425.00	9,264.79	9,257.51	9,246.35	26.85	25.20	94.82	326.36	57.27	1,439.01	1,387.23	51.78	27.789	
9,450.00	9,283.94	9,278.51	9,267.32	26.87	25.24	95.06	326.72	56.41	1,441.21	1,389.40	51.81	27.816	
9,475.00	9,302.23	9,298.62	9,287.42	26.90	25.28	95.28	327.05	55.58	1,443.68	1,391.84	51.84	27.849	
9,500.00	9,319.60	9,317.81	9,306.59	26.93	25.31	95.48	327.35	54.80	1,446.44	1,394.57	51.86	27.890	
9,525.00	9,336.00	9,336.00	9,324.76	26.96	25.35	95.63	327.61	54.05	1,449.52	1,397.63	51.89	27.937	
9,550.00	9,351.40	9,353.16	9,341.91	27.01	25.38	95.73	327.85	53.36	1,452.95	1,401.04	51.91	27.992	
9,575.00	9,365.74	9,369.23	9,357.97	27.06	25.41	95.78	328.07	52.70	1,456.75	1,404.83	51.92	28.055	
9,600.00	9,378.99	9,384.18	9,372.90	27.12	25.44	95.76	328.26	52.10	1,460.94	1,409.00	51.94	28.127	
9,625.00	9,391.12	9,397.89	9,386.60	27.20	25.46	95.66	328.42	51.55	1,465.55	1,413.59	51.95	28.209	
9,650.00	9,402.08	9,410.34	9,399.04	27.28	25.48	95.48	328.56	51.06	1,470.58	1,418.61	51.96	28.300	
9,675.00	9,411.86	9,421.51	9,410.20	27.37	25.49	95.22	328.68	50.64	1,476.05	1,424.07	51.97	28.401	
9,700.00	9,420.41	9,431.38	9,420.06	27.48	25.51	94.85	328.78	50.27	1,481.96	1,429.98	51.98	28.512	
9,725.00	9,427.73	9,439.93	9,428.60	27.60	25.52	94.38	328.86	49.97	1,488.32	1,436.34	51.98	28.632	
9,750.00	9,433.78	9,447.14	9,435.81	27.73	25.53	93.81	328.93	49.71	1,495.13	1,443.14	51.98	28.761	
9,775.00	9,438.56	9,453.00	9,441.66	27.88	25.54	93.13	328.98	49.51	1,502.38	1,450.39	51.98	28.900	
9,800.00	9,442.05	9,457.50	9,446.16	28.04	25.55	92.34	329.02	49.35	1,510.06	1,458.08	51.98	29.049	
9,825.00	9,444.23	9,460.64	9,449.30	28.21	25.55	91.44	329.05	49.24	1,518.15	1,466.17	51.98	29.208	
9,850.00	9,445.11	9,462.42	9,451.08	28.39	25.55	90.43	329.06	49.18	1,526.64	1,474.67	51.97	29.376	
9,859.14	9,445.11	9,462.73	9,451.39	28.46	25.55	90.03	329.06	49.17	1,529.83	1,477.87	51.96	29.440	
9,900.00	9,444.69	9,463.72	9,452.38	28.79	25.56	90.07	329.07	49.14	1,544.70	1,492.76	51.95	29.737	
10,000.00	9,443.68	9,466.11	9,454.77	29.72	25.56	90.17	329.09	49.06	1,584.95	1,533.03	51.91	30.530	
10,100.00	9,442.67	9,468.46	9,457.12	30.81	25.56	90.26	329.11	48.98	1,630.34	1,578.44	51.90	31.415	
10,200.00	9,441.66	9,470.77	9,459.42	32.03	25.57	90.35	329.13	48.90	1,680.46	1,628.57	51.89	32.385	
10,300.00	9,440.64	9,473.03	9,461.69	33.36	25.57	90.45	329.14	48.83	1,734.90	1,683.01	51.89	33.435	
10,400.00	9,439.63	9,475.26	9,463.91	34.79	25.57	90.53	329.16	48.76	1,793.26	1,741.37	51.90	34.556	
10,500.00	9,438.62	9,477.44	9,466.09	36.31	25.58	90.62	329.18	48.69	1,855.18	1,803.27	51.91	35.741	
10,600.00	9,437.61	9,479.59	9,468.24	37.90	25.58	90.71	329.19	48.62	1,920.31	1,868.39	51.92	36.985	
10,700.00	9,436.59	9,481.70	9,470.35	39.56	25.58	90.79	329.21	48.55	1,988.33	1,936.39	51.94	38.280	
10,800.00	9,435.58	9,483.78	9,472.43	41.28	25.59	90.88	329.22	48.48	2,058.97	2,007.00	51.96	39.623	
10,900.00	9,434.57	9,485.82	9,474.47	43.04	25.59	90.96	329.24	48.42	2,131.95	2,079.96	51.99	41.008	
11,000.00	9,433.56	12,620.43	11,033.09	44.86	47.33	137.76	341.21	-1,678.04	2,161.37	2,082.09	79.28	27.262	
11,100.00	9,432.55	12,715.88	11,030.14	46.71	49.13	137.72	340.84	-1,773.45	2,159.92	2,078.28	81.64	26.455	
11,200.00	9,431.53	12,806.21	11,027.65	48.60	50.85	137.68	340.88	-1,863.74	2,159.01	2,075.00	84.01	25.700	
11,300.00	9,430.52	12,892.11	11,025.48	50.52	52.52	137.65	340.95	-1,949.62	2,158.32	2,071.95	86.37	24.989	
11,307.57	9,430.44	12,896.86	11,025.39	50.67	52.61	137.65	340.96	-1,954.36	2,158.32	2,071.79	86.53	24.943	
11,400.00	9,429.51	12,959.00	11,024.95	52.47	53.83	137.64	341.22	-2,016.50	2,159.06	2,070.54	88.52	24.390	
11,500.00	9,428.50	13,056.40	11,025.01	54.44	55.76	137.63	341.91	-2,113.90	2,160.68	2,069.59	91.09	23.721	
11,600.00	9,427.48	13,159.96	11,023.77	56.44	57.84	137.59	343.64	-2,217.43	2,162.01	2,068.20	93.81	23.047	
11,700.00	9,426.47	13,240.00	11,023.59	58.46	59.46	137.57	344.79	-2,297.46	2,163.90	2,067.67	96.23	22.486	
11,800.00	9,425.46	13,347.70	11,024.93	60.50	61.66	137.59	345.07	-2,405.15	2,166.10	2,067.06	99.03	21.872	
11,900.00	9,424.45	13,458.12	11,026.08	62.55	63.94	137.63	344.71	-2,515.57	2,167.74	2,065.85	101.89	21.276	
12,000.00	9,423.43	13,563.77	11,026.57	64.62	66.13	137.65	344.53	-2,621.21	2,169.06	2,064.34	104.72	20.712	
12,100.00	9,422.42	13,700.56	11,027.79	66.70	69.00	137.73	342.14	-2,757.98	2,169.73	2,061.77	107.97	20.096	
12,200.00	9,421.41	13,849.90	11,029.46	68.80	72.14	137.91	335.23	-2,907.14	2,168.78	2,057.49	111.29	19.488	
12,300.00	9,420.40	14,037.05	11,021.92	70.91	76.08	138.00	324.34	-3,093.78	2,162.11	2,046.95	115.16	18.775	

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 501H
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:	501H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 506H - OH / 67812 - Surveys (H&P 653)												Offset Site Error:	0.00 usft
Survey Program: 220-MWD+HRGM												Offset Well Error:	1.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
12,400.00	9,419.39	14,083.00	11,019.13	73.02	77.06	138.00	322.33	-3,139.61	2,156.20	2,038.82	117.37	18.370	
12,500.00	9,418.37	14,177.00	11,014.38	75.15	79.08	137.96	320.34	-3,233.46	2,152.11	2,031.86	120.25	17.897	
12,600.00	9,417.36	14,225.71	11,012.59	77.29	80.13	137.93	320.09	-3,282.14	2,149.69	2,027.21	122.48	17.551	
12,700.00	9,416.35	14,306.55	11,010.42	79.43	81.87	137.91	319.76	-3,362.95	2,148.52	2,023.36	125.16	17.166	
12,800.00	9,415.34	14,398.40	11,009.27	81.58	83.85	137.91	318.92	-3,454.78	2,148.07	2,020.09	127.98	16.784	
12,900.00	9,414.32	14,502.02	11,008.04	83.74	86.10	137.92	317.80	-3,558.39	2,147.56	2,016.57	130.98	16.396	
13,000.00	9,413.31	14,602.44	11,007.08	85.91	88.27	137.94	316.39	-3,658.80	2,147.01	2,013.08	133.93	16.031	
13,100.00	9,412.30	14,703.52	11,007.20	88.08	90.47	138.00	313.70	-3,759.84	2,146.41	2,009.58	136.83	15.686	
13,200.00	9,411.29	14,872.35	11,003.47	90.26	94.14	138.04	309.31	-3,928.54	2,144.09	2,003.28	140.81	15.227	
13,300.00	9,410.28	14,959.54	10,999.14	92.44	96.04	137.99	307.86	-4,015.61	2,140.40	1,996.69	143.71	14.894	
13,400.00	9,409.26	15,034.75	10,996.50	94.63	97.69	137.98	306.64	-4,090.76	2,137.79	1,991.39	146.40	14.603	
13,500.00	9,408.25	15,113.00	10,994.32	96.82	99.41	137.96	305.75	-4,168.98	2,136.10	1,986.98	149.12	14.325	
13,562.56	9,407.62	15,153.02	10,993.69	98.20	100.28	137.96	305.39	-4,208.98	2,135.71	1,985.05	150.66	14.176	
13,600.00	9,407.24	15,174.61	10,993.71	99.02	100.76	137.97	305.14	-4,230.58	2,135.85	1,984.32	151.52	14.096	
13,700.00	9,406.23	15,252.97	10,995.46	101.22	102.48	138.03	303.75	-4,308.90	2,137.36	1,983.28	154.08	13.872	
13,800.00	9,405.21	15,364.25	10,999.49	103.42	104.93	138.19	300.05	-4,420.05	2,138.94	1,981.91	157.04	13.621	
13,900.00	9,404.20	15,523.01	11,002.56	105.63	108.42	138.38	293.75	-4,578.65	2,138.86	1,978.18	160.68	13.311	
14,000.00	9,403.19	15,640.72	11,001.78	107.84	111.02	138.47	289.02	-4,696.25	2,136.78	1,972.96	163.83	13.043	
14,100.00	9,402.18	15,746.10	10,999.79	110.06	113.35	138.51	285.62	-4,801.56	2,134.32	1,967.45	166.88	12.790	
14,200.00	9,401.16	15,854.60	10,996.72	112.27	115.75	138.52	282.75	-4,909.98	2,131.56	1,961.52	170.04	12.536	
14,300.00	9,400.15	15,921.65	10,994.88	114.49	117.24	138.52	281.37	-4,976.99	2,129.28	1,956.68	172.60	12.337	
14,400.00	9,399.14	15,999.43	10,993.93	116.72	118.97	138.53	280.33	-5,054.75	2,128.53	1,953.25	175.28	12.143	
14,500.00	9,398.13	16,103.26	10,994.01	118.94	121.27	138.59	277.96	-5,158.56	2,128.18	1,949.89	178.30	11.936	
14,600.00	9,397.12	16,261.18	10,991.90	121.17	124.78	138.66	273.30	-5,316.38	2,126.38	1,944.24	182.14	11.675	
14,700.00	9,396.10	16,379.62	10,987.35	123.40	127.42	138.66	269.78	-5,434.68	2,122.63	1,937.14	185.49	11.443	
14,800.00	9,395.09	16,484.76	10,982.37	125.63	129.76	138.64	266.73	-5,539.66	2,118.25	1,929.56	188.69	11.226	
14,893.69	9,394.14	16,485.00	10,982.36	127.72	129.76	138.64	266.72	-5,539.90	2,116.18	1,926.06	190.12	11.131	
14,900.00	9,394.08	16,485.00	10,982.36	127.86	129.76	138.64	266.72	-5,539.90	2,116.19	1,925.99	190.20	11.126	
14,975.14	9,393.32	16,485.00	10,982.36	129.54	129.76	138.64	266.72	-5,539.90	2,117.75	1,926.67	191.08	11.083	

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 501H
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:	501H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 508H - OH / 67813 - Surveys (H&P 653)													Offset Site Error: 0.00 usft
Survey Program: 311-MWD+HRGM													Offset Well Error: 1.00 usft
Rule Assigned:													Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	15.50	1.00	1.00	173.58	-933.00	105.00	939.02				
100.00	100.00	83.43	98.93	1.09	1.26	173.57	-933.04	105.09	938.94	936.59	2.35	400.277	
200.00	200.00	182.16	197.66	1.60	1.96	173.56	-933.18	105.41	939.12	935.57	3.55	264.497	
300.00	300.00	280.89	296.39	2.01	2.78	173.52	-933.43	105.97	939.44	934.66	4.78	196.533	
400.00	400.00	388.23	403.72	2.35	3.50	173.47	-933.47	106.83	939.57	933.74	5.83	161.034	
500.00	500.00	499.32	514.80	2.65	4.18	173.40	-932.24	107.92	938.58	931.79	6.80	138.109	
600.00	600.00	584.87	600.33	2.93	4.91	173.30	-931.42	109.34	937.82	930.00	7.82	119.916	
602.41	602.41	586.95	602.41	2.93	4.93	173.30	-931.42	109.39	937.82	929.97	7.84	119.549	
700.00	700.00	671.12	686.55	3.18	5.69	173.16	-931.75	111.70	938.52	929.70	8.81	106.478	
800.00	800.00	800.84	816.21	3.41	6.90	172.93	-931.47	115.46	938.74	928.43	10.31	91.042	
900.00	900.00	926.86	942.12	3.64	8.13	172.76	-926.92	117.68	935.31	923.78	11.53	81.108	
1,000.00	1,000.00	1,040.65	1,055.70	3.85	8.97	172.56	-920.58	120.14	930.06	917.82	12.24	75.989	
1,100.00	1,100.00	1,126.75	1,141.66	4.05	9.29	172.44	-915.70	121.55	924.67	911.87	12.80	72.249	
1,200.00	1,200.00	1,209.97	1,224.81	4.24	9.55	172.46	-912.76	120.90	921.07	907.74	13.33	69.100	
1,300.00	1,300.00	1,295.62	1,310.42	4.43	9.85	172.58	-911.44	118.67	919.20	905.32	13.87	66.265	
1,379.31	1,379.31	1,364.53	1,379.31	4.57	10.09	172.69	-911.28	116.92	918.75	904.44	14.30	64.228	
1,400.00	1,400.00	1,382.51	1,397.28	4.61	10.16	172.72	-911.36	116.49	918.78	904.36	14.42	63.727	
1,500.00	1,500.00	1,478.14	1,492.89	4.78	10.43	172.86	-912.39	114.28	919.55	904.67	14.88	61.797	
1,600.00	1,600.00	1,582.55	1,597.26	4.95	10.64	173.02	-913.26	111.80	920.08	904.82	15.26	60.289	
1,700.00	1,700.00	1,683.84	1,698.52	5.12	10.86	173.17	-913.73	109.48	920.26	904.63	15.63	58.871	
1,800.00	1,800.00	1,783.86	1,798.53	5.28	11.06	173.28	-914.09	107.78	920.43	904.43	16.00	57.537	
1,900.00	1,900.00	1,883.41	1,898.06	5.44	11.27	173.37	-914.44	106.34	920.61	904.25	16.35	56.297	
2,000.00	2,000.00	1,982.84	1,997.48	5.59	11.47	173.49	-914.90	104.48	920.85	904.14	16.70	55.130	
2,100.00	2,100.00	2,077.27	2,091.88	5.75	11.65	173.62	-915.68	102.32	921.41	904.38	17.03	54.111	
2,200.00	2,200.00	2,174.00	2,188.56	5.89	11.84	173.80	-917.14	99.70	922.61	905.26	17.35	53.164	
2,300.00	2,300.00	2,273.83	2,288.36	6.04	12.01	173.94	-918.78	97.50	924.01	906.35	17.66	52.309	
2,400.00	2,400.00	2,375.56	2,390.08	6.19	12.18	174.00	-920.01	96.69	925.13	907.15	17.98	51.453	
2,500.00	2,500.00	2,472.02	2,486.53	6.33	12.34	174.03	-921.27	96.39	926.40	908.11	18.29	50.643	
2,600.00	2,600.00	2,568.75	2,583.24	6.47	12.48	174.06	-922.91	96.01	928.04	909.46	18.58	49.947	
2,700.00	2,700.00	2,667.84	2,682.31	6.61	12.54	174.09	-924.84	95.70	929.95	911.16	18.79	49.502	
2,800.00	2,800.00	2,768.58	2,783.03	6.74	12.59	174.13	-926.69	95.27	931.73	912.75	18.99	49.075	
2,900.00	2,900.00	2,867.69	2,882.12	6.88	12.64	174.17	-928.68	94.83	933.68	914.49	19.19	48.662	
3,000.00	3,000.00	2,972.76	2,987.18	7.01	12.69	174.20	-930.50	94.58	935.38	915.98	19.40	48.223	
3,100.00	3,100.00	3,072.23	3,086.63	7.14	12.79	174.17	-931.69	95.05	936.62	916.97	19.65	47.669	
3,200.00	3,200.00	3,166.76	3,181.15	7.27	12.92	174.10	-933.18	96.44	938.34	918.41	19.92	47.095	
3,300.00	3,300.00	3,261.88	3,276.22	7.40	13.08	173.98	-935.13	98.64	940.62	920.39	20.23	46.501	
3,400.00	3,400.00	3,357.33	3,371.61	7.52	13.26	173.84	-937.52	101.11	943.39	922.84	20.55	45.915	
3,500.00	3,500.00	3,444.53	3,458.73	7.65	13.52	173.71	-940.34	103.64	946.93	926.01	20.92	45.269	
3,600.00	3,600.00	3,527.71	3,541.75	7.77	13.82	173.56	-944.39	106.58	952.17	930.86	21.31	44.681	
3,700.00	3,700.00	3,621.72	3,635.50	7.90	14.14	173.38	-950.38	110.25	958.93	937.17	21.75	44.082	
3,800.00	3,800.00	3,731.18	3,744.74	8.02	14.52	173.30	-956.99	112.38	965.15	942.89	22.27	43.344	
3,900.00	3,900.00	3,839.50	3,852.90	8.14	14.79	173.34	-962.74	112.37	970.42	947.74	22.68	42.783	
4,000.00	4,000.00	3,947.37	3,960.66	8.26	15.01	173.40	-967.61	112.00	974.87	951.81	23.06	42.281	
4,100.00	4,099.98	4,048.60	4,061.80	8.38	15.22	-6.55	-971.72	111.35	977.09	953.69	23.40	41.750	
4,200.00	4,199.84	4,149.61	4,162.73	8.74	15.42	-6.50	-975.76	110.37	975.73	951.74	23.99	40.675	
4,300.00	4,299.45	4,250.72	4,263.76	9.11	15.56	-6.48	-979.69	109.30	970.79	946.28	24.51	39.607	
4,400.00	4,398.70	4,352.29	4,365.26	9.48	15.75	-6.52	-983.43	108.57	962.21	937.12	25.09	38.352	
4,500.00	4,497.45	4,451.59	4,464.50	9.85	15.92	-6.61	-986.86	108.33	950.00	924.35	25.65	37.032	
4,600.00	4,595.60	4,548.67	4,561.51	10.24	16.08	-6.76	-990.39	108.42	934.57	908.36	26.21	35.654	
4,700.00	4,693.02	4,648.35	4,661.13	10.62	16.29	-6.97	-993.94	108.61	915.66	888.84	26.82	34.140	
4,748.40	4,739.87	4,696.30	4,709.05	10.72	16.39	-7.08	-995.59	108.71	905.24	878.22	27.02	33.500	
4,800.00	4,789.72	4,741.64	4,754.36	10.80	16.50	-7.17	-997.26	108.76	893.81	866.59	27.22	32.838	

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 501H
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:	501H	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		
4,900.00	4,886.31	4,829.00	4,841.63	10.99	16.71	-7.30	-1,001.29	108.49	872.53	844.89	27.63	31.575			
5,000.00	4,982.90	4,924.80	4,937.26	11.20	16.95	-7.42	-1,006.75	107.69	852.24	824.15	28.10	30.332			
5,100.00	5,079.49	5,036.54	5,048.88	11.43	17.23	-7.60	-1,011.92	107.09	830.96	802.34	28.62	29.034			
5,200.00	5,176.08	5,139.02	5,151.31	11.68	17.44	-7.80	-1,015.28	106.81	808.39	779.32	29.08	27.802			
5,300.00	5,272.67	5,238.52	5,250.75	11.94	17.64	-7.98	-1,018.33	106.14	785.60	756.05	29.55	26.588			
5,400.00	5,369.26	5,338.34	5,350.54	12.22	17.85	-8.20	-1,021.02	105.75	762.49	732.45	30.04	25.380			
5,500.00	5,465.85	5,425.54	5,437.70	12.51	18.14	-8.42	-1,023.67	105.71	739.78	709.14	30.64	24.148			
5,600.00	5,562.44	5,511.17	5,523.23	12.81	18.45	-8.67	-1,027.63	105.98	718.66	687.41	31.25	22.995			
5,700.00	5,659.03	5,608.80	5,620.70	13.13	18.81	-8.96	-1,033.23	106.50	698.65	666.73	31.93	21.883			
5,800.00	5,755.62	5,712.01	5,723.78	13.46	19.19	-9.27	-1,038.50	106.77	678.03	645.40	32.63	20.779			
5,900.00	5,852.21	5,807.22	5,818.87	13.79	19.47	-9.56	-1,043.12	106.77	657.13	623.88	33.25	19.764			
6,000.00	5,948.80	5,901.22	5,912.73	14.14	19.73	-9.84	-1,048.27	106.62	636.82	602.96	33.86	18.808			
6,100.00	6,045.39	5,996.80	6,008.14	14.50	20.01	-10.12	-1,054.01	106.31	617.02	582.53	34.49	17.889			
6,200.00	6,141.98	6,092.74	6,103.88	14.86	20.29	-10.40	-1,060.14	105.84	597.57	562.44	35.13	17.009			
6,300.00	6,238.57	6,193.59	6,204.53	15.23	20.59	-10.70	-1,066.58	105.22	578.12	542.34	35.79	16.155			
6,400.00	6,335.16	6,294.74	6,305.50	15.61	20.89	-11.03	-1,072.48	104.48	558.13	521.68	36.45	15.314			
6,500.00	6,431.75	6,394.75	6,405.37	16.00	21.18	-11.37	-1,077.84	103.71	537.68	500.58	37.10	14.493			
6,600.00	6,528.34	6,494.78	6,505.27	16.39	21.47	-11.76	-1,082.79	102.94	516.86	479.11	37.75	13.691			
6,700.00	6,624.94	6,595.38	6,605.77	16.79	21.75	-12.18	-1,087.25	102.08	495.56	457.16	38.40	12.906			
6,800.00	6,721.53	6,695.15	6,705.46	17.19	22.03	-12.64	-1,091.12	101.11	473.73	434.69	39.04	12.135			
6,900.00	6,818.12	6,793.57	6,803.81	17.60	22.30	-13.16	-1,094.62	100.22	451.64	411.97	39.67	11.384			
7,000.00	6,914.71	6,891.23	6,901.41	18.01	22.57	-13.74	-1,097.90	99.43	429.42	389.11	40.31	10.654			
7,100.00	7,011.30	6,988.05	6,998.17	18.43	22.84	-14.39	-1,101.22	98.71	407.33	366.39	40.94	9.950			
7,200.00	7,107.89	7,085.57	7,095.63	18.85	23.11	-15.12	-1,104.66	98.05	385.40	343.83	41.57	9.272			
7,300.00	7,204.48	7,183.70	7,193.70	19.28	23.39	-15.96	-1,107.95	97.41	363.39	321.21	42.18	8.615			
7,400.00	7,301.07	7,281.20	7,291.15	19.70	23.66	-16.91	-1,111.07	96.83	341.32	298.54	42.78	7.978			
7,500.00	7,397.66	7,378.33	7,388.23	20.14	23.94	-18.02	-1,114.19	96.36	319.41	276.04	43.37	7.365			
7,600.00	7,494.25	7,475.75	7,485.60	20.57	24.21	-19.30	-1,117.32	96.00	297.67	253.74	43.93	6.777			
7,700.00	7,590.84	7,573.29	7,583.09	21.01	24.49	-20.80	-1,120.40	95.68	276.04	231.58	44.46	6.209			
7,800.00	7,687.43	7,670.86	7,680.61	21.45	24.76	-22.57	-1,123.37	95.42	254.55	209.62	44.94	5.664			
7,900.00	7,784.02	7,768.38	7,778.09	21.89	25.04	-24.72	-1,126.19	95.30	233.26	187.91	45.35	5.144			
8,000.00	7,880.61	7,866.08	7,875.76	22.34	25.31	-27.35	-1,128.80	95.31	212.22	166.57	45.65	4.648			
8,100.00	7,977.20	7,963.71	7,973.36	22.79	25.57	-30.62	-1,131.12	95.42	191.49	145.68	45.82	4.180			
8,200.00	8,073.79	8,063.10	8,072.73	23.24	25.74	-34.78	-1,132.83	95.26	170.83	125.21	45.62	3.744			
8,255.91	8,127.79	8,118.54	8,128.17	23.48	25.82	-37.57	-1,133.27	94.81	159.11	113.74	45.37	3.507			
8,300.00	8,170.47	8,162.21	8,171.84	23.68	25.89	-39.88	-1,133.36	94.29	150.10	105.00	45.10	3.328			
8,400.00	8,267.85	8,258.54	8,268.16	24.17	26.03	-45.22	-1,133.80	93.00	132.61	88.13	44.48	2.981			
8,500.00	8,365.97	8,356.00	8,365.60	24.69	26.19	-50.56	-1,135.23	91.77	119.60	75.82	43.78	2.732			
8,600.00	8,464.71	8,454.47	8,464.05	25.20	26.45	-55.52	-1,137.30	90.76	110.46	67.29	43.17	2.559			
8,700.00	8,563.94	8,553.51	8,563.05	25.68	26.71	-59.66	-1,139.73	90.09	104.54	61.84	42.70	2.449			
8,800.00	8,663.54	8,653.15	8,662.66	26.14	26.98	-62.61	-1,142.21	89.69	101.09	58.63	42.46	2.381			
8,900.00	8,763.38	8,753.03	8,762.51	26.55	27.25	-64.08	-1,144.57	89.51	99.56	57.07	42.49	2.343			
8,950.31	8,813.68	8,803.39	8,812.86	26.62	27.39	-64.19	-1,145.71	89.43	99.38	56.80	42.58	2.334 CC			
9,000.00	8,863.36	8,853.13	8,862.58	26.70	27.52	-63.88	-1,146.79	89.34	99.56	56.80	42.76	2.329 ES			
9,004.30	8,867.67	8,857.44	8,866.89	26.71	27.54	116.17	-1,146.88	89.34	99.59	56.82	42.78	2.328			
9,100.00	8,963.36	8,953.11	8,962.54	26.77	27.79	117.23	-1,148.87	89.16	100.33	57.14	43.18	2.323			
9,104.30	8,967.67	8,957.41	8,966.84	26.77	27.80	117.28	-1,148.95	89.16	100.36	57.16	43.20	2.323 SF			
9,125.00	8,988.35	8,978.07	8,987.49	26.77	27.86	-152.30	-1,149.36	89.14	100.93	57.69	43.24	2.334			
9,150.00	9,013.29	9,002.96	9,012.39	26.77	27.92	-152.41	-1,149.84	89.13	102.69	59.47	43.22	2.376			
9,175.00	9,038.10	9,027.73	9,037.15	26.77	27.99	-152.79	-1,150.31	89.14	105.61	62.48	43.13	2.449			
9,200.00	9,062.72	9,052.31	9,061.72	26.78	28.05	-153.38	-1,150.77	89.17	109.71	66.73	42.98	2.553			
9,225.00	9,087.08	9,076.61	9,086.02	26.78	28.12	-154.16	-1,151.21	89.20	115.00	72.21	42.79	2.687			

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 501H
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:	501H	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													
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre	Distance	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,250.00	9,111.11	9,100.61	9,110.01	26.78	28.18	-155.05	-1,151.64	89.25	121.49	78.91	42.58	2.853	
9,275.00	9,134.75	9,124.41	9,133.81	26.79	28.24	-156.01	-1,152.07	89.28	129.15	86.79	42.36	3.049	
9,300.00	9,157.93	9,147.78	9,157.18	26.79	28.30	-156.96	-1,152.52	89.26	137.98	95.82	42.16	3.273	
9,325.00	9,180.59	9,170.67	9,180.06	26.80	28.36	-157.89	-1,152.97	89.20	147.97	106.00	41.97	3.526	
9,350.00	9,202.66	9,193.01	9,202.40	26.81	28.42	-158.76	-1,153.44	89.11	159.09	117.29	41.81	3.805	
9,375.00	9,224.09	9,214.75	9,224.13	26.82	28.47	-159.55	-1,153.90	88.97	171.34	129.67	41.67	4.112	
9,400.00	9,244.82	9,235.83	9,245.21	26.83	28.53	-160.26	-1,154.38	88.81	184.69	143.13	41.56	4.444	
9,425.00	9,264.79	9,256.20	9,265.57	26.85	28.58	-160.86	-1,154.85	88.61	199.10	157.63	41.48	4.800	
9,450.00	9,283.94	9,275.80	9,285.17	26.87	28.63	-161.36	-1,155.31	88.40	214.54	173.13	41.41	5.181	
9,475.00	9,302.23	9,294.30	9,303.66	26.90	28.67	-161.73	-1,155.76	88.17	230.98	189.62	41.36	5.584	
9,500.00	9,319.60	9,311.60	9,320.95	26.93	28.71	-161.98	-1,156.15	87.98	248.40	207.07	41.33	6.011	
9,525.00	9,336.00	9,327.91	9,337.26	26.96	28.75	-162.10	-1,156.49	87.82	266.76	225.46	41.30	6.459	
9,550.00	9,351.40	9,343.18	9,352.53	27.01	28.78	-162.10	-1,156.78	87.70	286.01	244.71	41.29	6.927	
9,575.00	9,365.74	9,357.38	9,366.72	27.06	28.81	-161.93	-1,157.03	87.60	306.08	264.79	41.29	7.413	
9,600.00	9,378.99	9,370.46	9,379.80	27.12	28.84	-161.58	-1,157.24	87.53	326.92	285.62	41.29	7.917	
9,625.00	9,391.12	9,382.48	9,391.81	27.20	28.86	-161.01	-1,157.41	87.47	348.46	307.16	41.30	8.437	
9,650.00	9,402.08	9,393.51	9,402.85	27.28	28.89	-160.18	-1,157.57	87.43	370.64	329.31	41.32	8.970	
9,675.00	9,411.86	9,403.36	9,412.70	27.37	28.91	-158.98	-1,157.71	87.39	393.38	352.04	41.34	9.515	
9,700.00	9,420.41	9,411.99	9,421.33	27.48	28.93	-157.26	-1,157.82	87.35	416.63	375.27	41.36	10.072	
9,725.00	9,427.73	9,419.38	9,428.72	27.60	28.94	-154.81	-1,157.92	87.33	440.32	398.93	41.39	10.639	
9,750.00	9,433.78	9,425.51	9,434.85	27.73	28.96	-151.20	-1,158.00	87.30	464.37	422.96	41.41	11.214	
9,775.00	9,438.56	9,430.37	9,439.70	27.88	28.97	-145.68	-1,158.07	87.28	488.73	447.30	41.43	11.797	
9,800.00	9,442.05	9,433.94	9,443.27	28.04	28.98	-136.76	-1,158.11	87.27	513.32	471.87	41.45	12.385	
9,825.00	9,444.23	9,436.21	9,445.54	28.21	28.98	-121.53	-1,158.14	87.26	538.08	496.61	41.46	12.977	
9,850.00	9,445.11	9,437.18	9,446.51	28.39	28.98	-96.61	-1,158.16	87.26	562.93	521.45	41.48	13.571	
9,859.14	9,445.11	9,437.21	9,446.54	28.46	28.98	-85.56	-1,158.16	87.26	572.02	530.54	41.48	13.789	
9,900.00	9,444.69	9,436.95	9,446.28	28.79	28.98	-85.29	-1,158.15	87.26	612.70	571.20	41.50	14.763	
10,000.00	9,443.68	9,436.32	9,446.65	29.72	28.98	-84.65	-1,158.14	87.26	712.35	670.80	41.55	17.145	
10,100.00	9,442.67	9,435.69	9,445.02	30.81	28.98	-84.00	-1,158.14	87.26	812.07	770.48	41.59	19.526	
10,200.00	9,441.66	9,435.06	9,444.39	32.03	28.98	-83.36	-1,158.13	87.27	911.86	870.23	41.63	21.905	
10,300.00	9,440.64	9,434.43	9,443.77	33.36	28.98	-82.72	-1,158.12	87.27	1,011.69	970.03	41.67	24.281	
10,400.00	9,439.63	9,433.81	9,443.14	34.79	28.98	-82.09	-1,158.11	87.27	1,111.55	1,069.85	41.70	26.656	
10,500.00	9,438.62	9,433.18	9,442.52	36.31	28.98	-81.46	-1,158.10	87.27	1,211.44	1,169.70	41.73	29.027	
10,600.00	9,437.61	9,432.56	9,441.89	37.90	28.97	-80.83	-1,158.10	87.27	1,311.34	1,269.57	41.77	31.395	
10,700.00	9,436.59	9,431.93	9,441.27	39.56	28.97	-80.20	-1,158.09	87.28	1,411.25	1,369.45	41.80	33.760	
10,800.00	9,435.58	9,431.31	9,440.65	41.28	28.97	-79.58	-1,158.08	87.28	1,511.17	1,469.34	41.84	36.121	
10,900.00	9,434.57	9,430.69	9,440.03	43.04	28.97	-78.96	-1,158.07	87.28	1,611.11	1,569.24	41.87	38.479	
11,000.00	9,433.56	9,430.07	9,439.41	44.86	28.97	-78.34	-1,158.06	87.28	1,711.05	1,669.15	41.90	40.832	
11,100.00	9,432.55	9,429.45	9,438.79	46.71	28.97	-77.73	-1,158.06	87.29	1,811.00	1,769.06	41.94	43.181	
11,200.00	9,431.53	9,428.84	9,438.17	48.60	28.97	-77.12	-1,158.05	87.29	1,910.95	1,868.98	41.98	45.525	
11,300.00	9,430.52	13,232.00	11,414.32	50.52	56.05	-178.94	-1,149.96	-1,994.99	1,985.45	1,928.20	57.25	34.678	
11,400.00	9,429.51	13,292.39	11,412.80	52.47	57.19	-178.89	-1,152.09	-2,055.33	1,983.93	1,925.80	58.13	34.130	
11,426.02	9,429.24	13,309.23	11,412.55	52.98	57.51	-178.87	-1,152.86	-2,072.15	1,983.83	1,925.47	58.36	33.994	
11,500.00	9,428.50	13,378.73	11,411.90	54.44	58.84	-178.79	-1,156.12	-2,141.57	1,983.94	1,924.85	59.09	33.575	
11,600.00	9,427.48	13,464.89	11,411.11	56.44	60.50	-178.72	-1,158.86	-2,227.68	1,984.13	1,924.05	60.07	33.028	
11,700.00	9,426.47	13,542.97	11,411.44	58.46	62.02	-178.68	-1,160.66	-2,305.73	1,985.57	1,924.52	61.05	32.524	
11,800.00	9,425.46	13,640.57	11,412.36	60.50	63.93	-178.63	-1,163.03	-2,403.31	1,987.57	1,925.45	62.12	31.995	
11,900.00	9,424.45	13,777.74	11,412.14	62.55	66.64	-178.52	-1,167.57	-2,540.39	1,988.44	1,925.06	63.38	31.373	
12,000.00	9,423.43	13,890.00	11,410.16	64.62	68.89	-178.43	-1,171.28	-2,652.57	1,987.70	1,923.14	64.56	30.788	
12,025.26	9,423.18	13,905.63	11,409.98	65.15	69.21	-178.41	-1,171.80	-2,668.18	1,987.67	1,922.86	64.80	30.672	
12,100.00	9,422.42	13,972.00	11,409.38	66.70	70.55	-178.34	-1,174.56	-2,734.50	1,987.82	1,922.22	65.60	30.302	
12,200.00	9,421.41	14,052.46	11,409.20	68.80	72.21	-178.27	-1,177.46	-2,814.90	1,988.71	1,922.06	66.65	29.839	

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 501H
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:	501H	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		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			Minimum Separation (usft)	
12,300.00	9,420.40	14,139.76	11,409.89	70.91	74.02	-178.27	-1,178.03	-2,902.20	1,990.50	1,922.73	67.77	29.372		
12,400.00	9,419.39	14,227.89	11,411.04	73.02	75.84	-178.28	-1,178.37	-2,990.32	1,992.81	1,923.91	68.91	28.920		
12,500.00	9,418.37	14,362.68	11,412.61	75.15	78.63	-178.30	-1,178.20	-3,125.10	1,995.11	1,924.78	70.33	28.368		
12,600.00	9,417.36	14,486.94	11,411.80	77.29	81.23	-178.30	-1,179.16	-3,249.35	1,995.50	1,923.81	71.69	27.835		
12,700.00	9,416.35	14,699.31	11,402.94	79.43	85.71	-178.42	-1,175.90	-3,461.45	1,992.19	1,918.63	73.56	27.084		
12,800.00	9,415.34	14,773.41	11,397.96	81.58	87.27	-178.46	-1,174.79	-3,535.38	1,986.54	1,911.80	74.74	26.579		
12,900.00	9,414.32	14,827.00	11,395.53	83.74	88.41	-178.48	-1,174.04	-3,588.91	1,983.01	1,907.20	75.81	26.157		
13,000.00	9,413.31	14,888.25	11,394.07	85.91	89.71	-178.51	-1,173.53	-3,650.13	1,981.62	1,904.69	76.93	25.758		
13,018.26	9,413.13	14,899.15	11,393.94	86.31	89.95	-178.51	-1,173.50	-3,661.04	1,981.59	1,904.45	77.13	25.690		
13,100.00	9,412.30	14,945.94	11,393.86	88.08	90.95	-178.51	-1,173.66	-3,707.82	1,982.29	1,904.28	78.01	25.411		
13,200.00	9,411.29	15,014.00	11,395.30	90.26	92.40	-178.50	-1,174.65	-3,775.86	1,985.25	1,906.12	79.13	25.088		
13,300.00	9,410.28	15,063.90	11,397.37	92.44	93.47	-178.46	-1,176.04	-3,825.70	1,990.17	1,910.08	80.10	24.847		
13,400.00	9,409.26	15,172.88	11,403.08	94.63	95.81	-178.36	-1,180.33	-3,934.44	1,996.58	1,915.11	81.47	24.506		
13,500.00	9,408.25	15,480.39	11,402.36	96.82	102.45	-178.29	-1,184.38	-4,241.75	1,998.55	1,914.41	84.13	23.755		
13,600.00	9,407.24	15,617.80	11,392.57	99.02	105.42	-178.31	-1,184.45	-4,378.81	1,992.33	1,906.68	85.65	23.260		
13,700.00	9,406.23	15,705.92	11,385.75	101.22	107.34	-178.35	-1,183.23	-4,466.66	1,985.58	1,898.61	86.96	22.832		
13,800.00	9,405.21	15,781.51	11,380.91	103.42	108.98	-178.43	-1,180.59	-4,542.05	1,980.04	1,891.80	88.24	22.439		
13,900.00	9,404.20	15,857.00	11,376.53	105.63	110.63	-178.53	-1,177.59	-4,617.35	1,975.25	1,885.73	89.52	22.066		
14,000.00	9,403.19	15,920.92	11,373.77	107.84	112.03	-178.58	-1,175.97	-4,681.18	1,972.05	1,881.33	90.72	21.738		
14,082.30	9,402.36	15,950.00	11,373.10	109.66	112.67	-178.59	-1,175.79	-4,710.25	1,971.35	1,879.82	91.53	21.539		
14,100.00	9,402.18	15,974.05	11,372.83	110.06	113.20	-178.59	-1,175.88	-4,734.30	1,971.28	1,879.46	91.83	21.467		
14,200.00	9,401.16	16,044.00	11,373.50	112.27	114.75	-178.57	-1,177.15	-4,804.23	1,973.04	1,880.00	93.04	21.207		
14,300.00	9,400.15	16,146.29	11,375.23	114.49	116.99	-178.51	-1,179.77	-4,906.48	1,975.81	1,881.38	94.43	20.923		
14,400.00	9,399.14	16,306.99	11,373.20	116.72	120.52	-178.45	-1,182.60	-5,067.13	1,975.29	1,879.07	96.21	20.531		
14,495.98	9,398.17	16,378.45	11,371.89	118.85	122.09	-178.46	-1,182.80	-5,138.57	1,974.54	1,877.14	97.40	20.273		
14,500.00	9,398.13	16,381.14	11,371.87	118.94	122.15	-178.46	-1,182.81	-5,141.27	1,974.54	1,877.10	97.45	20.263		
14,600.00	9,397.12	16,460.74	11,371.69	121.17	123.91	-178.45	-1,183.62	-5,220.86	1,975.31	1,876.60	98.70	20.013		
14,700.00	9,396.10	16,562.06	11,371.80	123.40	126.14	-178.42	-1,185.18	-5,322.16	1,976.46	1,876.35	100.11	19.744		
14,800.00	9,395.09	16,725.90	11,369.21	125.63	129.76	-178.33	-1,188.85	-5,485.94	1,975.97	1,874.07	101.90	19.391		
14,885.40	9,394.23	16,768.00	11,367.84	127.54	130.69	-178.31	-1,189.87	-5,528.00	1,974.57	1,871.74	102.83	19.202		
14,900.00	9,394.08	16,768.00	11,367.84	127.86	130.69	-178.31	-1,189.87	-5,528.00	1,974.63	1,871.69	102.94	19.183		
14,975.14	9,393.32	16,768.00	11,367.84	129.54	130.69	-178.31	-1,189.87	-5,528.00	1,976.61	1,873.19	103.42	19.113		

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 501H
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:	501H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 701H - OH - Plan 1 12-14-21													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+HRGM									Rule Assigned:				Offset Well Error: 1.00 usft	
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	1.00	1.00	0.00	90.00	0.00	90.00					
100.00	100.00	100.00	100.00	1.09	1.09	0.00	90.00	0.00	90.00	87.83	2.17	41.459		
200.00	200.00	200.00	200.00	1.60	1.60	0.00	90.00	0.00	90.00	86.80	3.20	28.125		
300.00	300.00	300.00	300.00	2.01	2.01	0.00	90.00	0.00	90.00	85.98	4.02	22.380		
400.00	400.00	400.00	400.00	2.35	2.35	0.00	90.00	0.00	90.00	85.29	4.71	19.120		
421.13	421.13	421.13	421.13	2.42	2.42	0.00	90.00	0.00	90.00	85.17	4.83	18.621		
500.00	500.00	500.00	500.00	2.65	2.65	0.00	90.00	0.00	90.00	84.69	5.31	16.950		
521.13	521.13	521.13	521.13	2.71	2.71	0.00	90.00	0.00	90.00	84.58	5.42	16.591		
600.00	600.00	600.00	600.00	2.93	2.93	0.00	90.00	0.00	90.00	84.14	5.86	15.370		
621.13	621.13	621.13	621.13	2.98	2.98	0.00	90.00	0.00	90.00	84.04	5.96	15.097		
700.00	700.00	700.00	700.00	3.18	3.18	0.00	90.00	0.00	90.00	83.64	6.36	14.154		
721.13	721.13	721.13	721.13	3.23	3.23	0.00	90.00	0.00	90.00	83.54	6.46	13.937		
800.00	800.00	800.00	800.00	3.41	3.41	0.00	90.00	0.00	90.00	83.17	6.83	13.180		
821.13	821.13	821.13	821.13	3.46	3.46	0.00	90.00	0.00	90.00	83.08	6.92	13.002		
900.00	900.00	900.00	900.00	3.64	3.64	0.00	90.00	0.00	90.00	82.73	7.27	12.376		
921.13	921.13	921.13	921.13	3.68	3.68	0.00	90.00	0.00	90.00	82.64	7.36	12.227		
1,000.00	1,000.00	1,000.00	1,000.00	3.85	3.85	0.00	90.00	0.00	90.00	82.31	7.69	11.699		
1,021.13	1,021.13	1,021.13	1,021.13	3.89	3.89	0.00	90.00	0.00	90.00	82.22	7.78	11.571		
1,100.00	1,100.00	1,100.00	1,100.00	4.05	4.05	0.00	90.00	0.00	90.00	81.90	8.10	11.117		
1,121.13	1,121.13	1,121.13	1,121.13	4.09	4.09	0.00	90.00	0.00	90.00	81.82	8.18	11.006		
1,200.00	1,200.00	1,200.00	1,200.00	4.24	4.24	0.00	90.00	0.00	90.00	81.52	8.48	10.610		
1,221.13	1,221.13	1,221.13	1,221.13	4.28	4.28	0.00	90.00	0.00	90.00	81.44	8.56	10.512		
1,300.00	1,300.00	1,300.00	1,300.00	4.43	4.43	0.00	90.00	0.00	90.00	81.14	8.86	10.163		
1,321.13	1,321.13	1,321.13	1,321.13	4.47	4.47	0.00	90.00	0.00	90.00	81.07	8.93	10.077		
1,400.00	1,400.00	1,400.00	1,400.00	4.61	4.61	0.00	90.00	0.00	90.00	80.78	9.22	9.766		
1,421.13	1,421.13	1,421.13	1,421.13	4.64	4.64	0.00	90.00	0.00	90.00	80.71	9.29	9.688		
1,500.00	1,500.00	1,500.00	1,500.00	4.78	4.78	0.00	90.00	0.00	90.00	80.43	9.57	9.408		
1,521.13	1,521.13	1,521.13	1,521.13	4.82	4.82	0.00	90.00	0.00	90.00	80.36	9.64	9.338		
1,600.00	1,600.00	1,600.00	1,600.00	4.95	4.95	0.00	90.00	0.00	90.00	80.09	9.91	9.085		
1,621.13	1,621.13	1,621.13	1,621.13	4.99	4.99	0.00	90.00	0.00	90.00	80.02	9.98	9.022		
1,700.00	1,700.00	1,700.00	1,700.00	5.12	5.12	0.00	90.00	0.00	90.00	79.76	10.24	8.791		
1,721.13	1,721.13	1,721.13	1,721.13	5.15	5.15	0.00	90.00	0.00	90.00	79.69	10.31	8.733		
1,800.00	1,800.00	1,800.00	1,800.00	5.28	5.28	0.00	90.00	0.00	90.00	79.44	10.56	8.522		
1,821.13	1,821.13	1,821.13	1,821.13	5.31	5.31	0.00	90.00	0.00	90.00	79.37	10.63	8.468		
1,900.00	1,900.00	1,900.00	1,900.00	5.44	5.44	0.00	90.00	0.00	90.00	79.12	10.88	8.274		
1,921.13	1,921.13	1,921.13	1,921.13	5.47	5.47	0.00	90.00	0.00	90.00	79.06	10.94	8.224		
2,000.00	2,000.00	2,000.00	2,000.00	5.59	5.59	0.00	90.00	0.00	90.00	78.81	11.19	8.045		
2,021.13	2,021.13	2,021.13	2,021.13	5.63	5.63	0.00	90.00	0.00	90.00	78.75	11.25	7.999		
2,100.00	2,100.00	2,100.00	2,100.00	5.75	5.75	0.00	90.00	0.00	90.00	78.51	11.49	7.832		
2,121.13	2,121.13	2,121.13	2,121.13	5.78	5.78	0.00	90.00	0.00	90.00	78.45	11.55	7.789		
2,200.00	2,200.00	2,200.00	2,200.00	5.89	5.89	0.00	90.00	0.00	90.00	78.21	11.79	7.634		
2,221.13	2,221.13	2,221.13	2,221.13	5.93	5.93	0.00	90.00	0.00	90.00	78.15	11.85	7.594		
2,300.00	2,300.00	2,300.00	2,300.00	6.04	6.04	0.00	90.00	0.00	90.00	77.92	12.08	7.449		
2,321.13	2,321.13	2,321.13	2,321.13	6.07	6.07	0.00	90.00	0.00	90.00	77.86	12.14	7.411		
2,400.00	2,400.00	2,400.00	2,400.00	6.19	6.19	0.00	90.00	0.00	90.00	77.63	12.37	7.275		
2,421.13	2,421.13	2,421.13	2,421.13	6.22	6.22	0.00	90.00	0.00	90.00	77.57	12.43	7.240		
2,500.00	2,500.00	2,500.00	2,500.00	6.33	6.33	0.00	90.00	0.00	90.00	77.35	12.65	7.112		
2,521.13	2,521.13	2,521.13	2,521.13	6.36	6.36	0.00	90.00	0.00	90.00	77.29	12.71	7.079		
2,600.00	2,600.00	2,600.00	2,600.00	6.47	6.47	0.00	90.00	0.00	90.00	77.07	12.93	6.958		
2,621.13	2,621.13	2,621.13	2,621.13	6.50	6.50	0.00	90.00	0.00	90.00	77.01	12.99	6.927		
2,700.00	2,700.00	2,700.00	2,700.00	6.61	6.61	0.00	90.00	0.00	90.00	76.79	13.21	6.813		
2,721.13	2,721.13	2,721.13	2,721.13	6.63	6.63	0.00	90.00	0.00	90.00	76.73	13.27	6.783		

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 501H
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:	501H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 701H - OH - Plan 1 12-14-21													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error: 1.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
2,800.00	2,800.00	2,800.00	2,800.00	6.74	6.74	0.00	90.00	0.00	90.00	76.52	13.48	6.675	
2,821.13	2,821.13	2,821.13	2,821.13	6.77	6.77	0.00	90.00	0.00	90.00	76.46	13.54	6.647	
2,900.00	2,900.00	2,900.00	2,900.00	6.88	6.88	0.00	90.00	0.00	90.00	76.25	13.75	6.545	
2,921.13	2,921.13	2,921.13	2,921.13	6.90	6.90	0.00	90.00	0.00	90.00	76.19	13.81	6.518	
3,000.00	3,000.00	3,000.00	3,000.00	7.01	7.01	0.00	90.00	0.00	90.00	75.98	14.02	6.421	
3,033.33	3,033.33	3,033.33	3,033.33	7.05	7.05	0.00	90.00	0.00	90.00	75.90	14.10	6.381	
3,100.00	3,100.00	3,100.00	3,100.00	7.14	7.14	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	90.00	0.00	90.00	73.47	16.53	5.446 CC, ES, SF	
4,100.00	4,099.98	4,096.84	4,096.82	8.38	8.48	180.00	91.64	0.00	93.44	76.59	16.85	5.545	
4,200.00	4,199.84	4,194.56	4,194.43	8.74	8.61	180.00	96.26	0.00	103.40	86.06	17.34	5.963	
4,300.00	4,299.45	4,293.57	4,293.31	9.11	8.74	180.00	101.44	0.00	117.33	99.50	17.83	6.580	
4,400.00	4,398.70	4,392.04	4,391.64	9.48	8.89	180.00	106.59	0.00	134.73	116.38	18.35	7.343	
4,500.00	4,497.45	4,489.85	4,489.31	9.85	9.05	180.00	111.71	0.00	155.55	136.68	18.88	8.241	
4,600.00	4,595.60	4,586.86	4,586.19	10.24	9.21	180.00	116.79	0.00	179.79	160.37	19.42	9.258	
4,700.00	4,693.02	4,682.97	4,682.17	10.62	9.39	180.00	121.82	0.00	207.41	187.43	19.98	10.383	
4,748.40	4,739.87	4,729.12	4,728.26	10.72	9.47	180.00	124.23	0.00	221.98	201.82	20.16	11.012	
4,800.00	4,789.72	4,778.19	4,777.26	10.80	9.57	180.00	126.80	0.00	237.93	217.60	20.33	11.703	
4,900.00	4,886.31	4,873.30	4,872.24	10.99	9.75	180.00	131.78	0.00	268.83	248.13	20.70	12.986	
5,000.00	4,982.90	4,968.40	4,967.21	11.20	9.95	180.00	136.76	0.00	299.74	278.64	21.11	14.202	
5,100.00	5,079.49	5,063.50	5,062.18	11.43	10.15	180.00	141.74	0.00	330.65	309.12	21.53	15.355	
5,200.00	5,176.08	5,158.61	5,157.15	11.68	10.36	180.00	146.71	0.00	361.56	339.58	21.98	16.446	
5,300.00	5,272.67	5,253.71	5,252.13	11.94	10.57	180.00	151.69	0.00	392.47	370.02	22.46	17.477	
5,400.00	5,369.26	5,348.81	5,347.10	12.22	10.79	180.00	156.67	0.00	423.38	400.43	22.95	18.448	
5,500.00	5,465.85	5,443.92	5,442.07	12.51	11.01	180.00	161.64	0.00	454.29	430.83	23.46	19.364	
5,600.00	5,562.44	5,539.02	5,537.05	12.81	11.24	180.00	166.62	0.00	485.20	461.21	23.99	20.225	
5,700.00	5,659.03	5,634.12	5,632.02	13.13	11.48	180.00	171.60	0.00	516.11	491.57	24.54	21.035	
5,800.00	5,755.62	5,729.22	5,726.99	13.46	11.72	180.00	176.58	0.00	547.02	521.92	25.10	21.796	
5,900.00	5,852.21	5,824.33	5,821.96	13.79	11.96	180.00	181.55	0.00	577.93	552.26	25.67	22.512	
6,000.00	5,948.80	5,919.43	5,916.94	14.14	12.21	180.00	186.53	0.00	608.84	582.58	26.26	23.184	
6,100.00	6,045.39	6,014.53	6,011.91	14.50	12.46	180.00	191.51	0.00	639.75	612.88	26.86	23.815	
6,200.00	6,141.98	6,109.64	6,106.88	14.86	12.71	180.00	196.49	0.00	670.66	643.18	27.48	24.409	
6,300.00	6,238.57	6,204.74	6,201.86	15.23	12.97	180.00	201.46	0.00	701.57	673.47	28.10	24.967	
6,400.00	6,335.16	6,299.84	6,296.83	15.61	13.23	180.00	206.44	0.00	732.48	703.74	28.73	25.492	
6,500.00	6,431.75	6,394.95	6,391.80	16.00	13.49	180.00	211.42	0.00	763.38	734.01	29.38	25.985	
6,600.00	6,528.34	6,490.05	6,486.77	16.39	13.76	180.00	216.39	0.00	794.29	764.26	30.03	26.450	
6,700.00	6,624.94	6,585.15	6,581.75	16.79	14.03	180.00	221.37	0.00	825.20	794.51	30.69	26.887	
6,800.00	6,721.53	6,680.26	6,676.72	17.19	14.30	180.00	226.35	0.00	856.11	824.75	31.36	27.299	
6,900.00	6,818.12	6,775.36	6,771.69	17.60	14.57	180.00	231.33	0.00	887.02	854.99	32.04	27.688	
7,000.00	6,914.71	6,870.46	6,866.67	18.01	14.85	180.00	236.30	0.00	917.93	885.21	32.72	28.055	
7,100.00	7,011.30	6,965.57	6,961.64	18.43	15.12	180.00	241.28	0.00	948.84	915.43	33.41	28.401	
7,200.00	7,107.89	7,060.67	7,056.61	18.85	15.40	180.00	246.26	0.00	979.75	945.65	34.10	28.728	
7,300.00	7,204.48	7,155.77	7,151.58	19.28	15.69	180.00	251.24	0.00	1,010.66	975.85	34.81	29.038	
7,400.00	7,301.07	7,250.88	7,246.56	19.70	15.97	180.00	256.21	0.00	1,041.57	1,006.06	35.51	29.331	
7,500.00	7,397.66	7,345.98	7,341.53	20.14	16.25	180.00	261.19	0.00	1,072.48	1,036.26	36.22	29.608	

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 501H
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:	501H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 701H - OH - Plan 1 12-14-21												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM												Offset Well Error:	1.00 usft
Rule Assigned:												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	
7,600.00	7,494.25	7,441.08	7,436.50	20.57	16.54	180.00	266.17	0.00	1,103.39	1,066.45	36.94	29.871	
7,700.00	7,590.84	7,536.18	7,531.48	21.01	16.83	180.00	271.15	0.00	1,134.30	1,096.64	37.66	30.120	
7,800.00	7,687.43	7,631.29	7,626.45	21.45	17.12	180.00	276.12	0.00	1,165.21	1,126.82	38.38	30.356	
7,900.00	7,784.02	7,726.39	7,721.42	21.89	17.41	180.00	281.10	0.00	1,196.12	1,157.00	39.11	30.581	
8,000.00	7,880.61	7,821.49	7,816.39	22.34	17.70	180.00	286.08	0.00	1,227.03	1,187.18	39.84	30.797	
8,100.00	7,977.20	7,953.05	7,947.82	22.79	18.09	180.00	291.76	0.00	1,257.26	1,216.47	40.79	30.821	
8,200.00	8,073.79	8,079.03	8,073.79	23.24	18.29	180.00	292.54	0.00	1,283.59	1,242.06	41.53	30.910	
8,255.91	8,127.79	8,133.03	8,127.79	23.48	18.32	180.00	292.54	0.00	1,298.06	1,256.26	41.81	31.050	
8,300.00	8,170.47	8,175.70	8,170.47	23.68	18.35	180.00	292.54	0.00	1,309.15	1,267.12	42.03	31.150	
8,400.00	8,267.85	8,273.09	8,267.85	24.17	18.42	180.00	292.54	0.00	1,331.84	1,289.26	42.58	31.276	
8,500.00	8,365.97	8,371.21	8,365.97	24.69	18.49	180.00	292.54	0.00	1,351.12	1,307.94	43.18	31.291	
8,600.00	8,464.71	8,469.94	8,464.71	25.20	18.55	180.00	292.54	0.00	1,366.95	1,323.19	43.75	31.241	
8,700.00	8,563.94	8,569.17	8,563.94	25.68	18.62	180.00	292.54	0.00	1,379.31	1,335.00	44.31	31.131	
8,800.00	8,663.54	8,668.77	8,663.54	26.14	18.69	180.00	292.54	0.00	1,388.20	1,343.37	44.83	30.966	
8,900.00	8,763.38	8,768.62	8,763.38	26.55	18.76	180.00	292.54	0.00	1,393.59	1,348.29	45.31	30.757	
9,000.00	8,863.36	8,868.60	8,863.36	26.70	18.83	180.00	292.54	0.00	1,395.49	1,349.96	45.53	30.649	
9,004.30	8,867.67	8,872.90	8,867.67	26.71	18.83	0.00	292.54	0.00	1,395.50	1,349.96	45.54	30.643	
9,100.00	8,963.36	8,968.60	8,963.36	26.77	18.90	0.00	292.54	0.00	1,395.50	1,349.83	45.67	30.558	
9,104.30	8,967.67	8,972.90	8,967.67	26.77	18.90	0.00	292.54	0.00	1,395.50	1,349.83	45.67	30.554	
9,125.00	8,988.35	8,993.59	8,988.35	26.77	18.92	90.32	292.54	0.00	1,395.50	1,349.81	45.69	30.544	
9,150.00	9,013.29	9,018.53	9,013.29	26.77	18.94	90.39	292.54	0.00	1,395.51	1,349.80	45.71	30.532	
9,175.00	9,038.10	9,043.34	9,038.10	26.77	18.95	90.51	292.54	0.00	1,395.54	1,349.81	45.73	30.519	
9,200.00	9,062.72	9,067.96	9,062.72	26.78	18.97	90.68	292.54	0.00	1,395.58	1,349.83	45.75	30.507	
9,225.00	9,087.08	9,092.32	9,087.08	26.78	18.99	90.89	292.54	0.00	1,395.66	1,349.89	45.77	30.495	
9,250.00	9,111.11	9,116.35	9,111.11	26.78	19.01	91.15	292.54	0.00	1,395.79	1,350.00	45.79	30.485	
9,275.00	9,134.75	9,139.98	9,134.75	26.79	19.02	91.44	292.54	0.00	1,395.98	1,350.17	45.81	30.475	
9,300.00	9,157.93	9,163.16	9,157.93	26.79	19.04	91.76	292.54	0.00	1,396.26	1,350.44	45.83	30.467	
9,325.00	9,180.59	9,185.82	9,180.59	26.80	19.05	92.11	292.54	0.00	1,396.66	1,350.81	45.85	30.462	
9,350.00	9,202.66	9,207.90	9,202.66	26.81	19.07	92.47	292.54	0.00	1,397.19	1,351.32	45.87	30.459	
9,375.00	9,224.09	9,229.33	9,224.09	26.82	19.08	92.84	292.54	0.00	1,397.89	1,351.99	45.89	30.460	
9,400.00	9,244.82	9,250.05	9,244.82	26.83	19.10	93.20	292.54	0.00	1,398.77	1,352.86	45.91	30.465	
9,425.00	9,264.79	9,270.02	9,264.79	26.85	19.11	93.56	292.54	0.00	1,399.89	1,353.95	45.94	30.474	
9,450.00	9,283.94	9,289.18	9,283.94	26.87	19.13	93.90	292.54	0.00	1,401.25	1,355.29	45.96	30.489	
9,475.00	9,302.23	9,307.46	9,302.23	26.90	19.14	94.21	292.54	0.00	1,402.90	1,356.92	45.98	30.511	
9,500.00	9,319.60	9,324.83	9,319.60	26.93	19.15	94.49	292.54	0.00	1,404.86	1,358.86	46.00	30.538	
9,525.00	9,336.00	9,341.24	9,336.00	26.96	19.16	94.72	292.54	0.00	1,407.16	1,361.13	46.03	30.573	
9,550.00	9,351.40	9,356.63	9,351.40	27.01	19.17	94.89	292.54	0.00	1,409.83	1,363.78	46.05	30.616	
9,575.00	9,365.74	9,370.98	9,365.74	27.06	19.18	95.00	292.54	0.00	1,412.89	1,366.82	46.07	30.668	
9,600.00	9,378.99	9,384.23	9,378.99	27.12	19.19	95.04	292.54	0.00	1,416.36	1,370.26	46.09	30.728	
9,625.00	9,391.12	9,396.35	9,391.12	27.20	19.20	95.00	292.54	0.00	1,420.26	1,374.14	46.12	30.798	
9,650.00	9,402.08	9,407.32	9,402.08	27.28	19.21	94.87	292.54	0.00	1,424.61	1,378.47	46.14	30.877	
9,675.00	9,411.86	9,417.09	9,411.86	27.37	19.22	94.65	292.54	0.00	1,429.42	1,383.26	46.16	30.967	
9,700.00	9,420.41	9,425.65	9,420.41	27.48	19.22	94.34	292.54	0.00	1,434.69	1,388.51	46.18	31.068	
9,725.00	9,427.73	9,432.96	9,427.73	27.60	19.23	93.92	292.54	0.00	1,440.42	1,394.23	46.20	31.179	
9,750.00	9,433.78	9,439.02	9,433.78	27.73	19.23	93.39	292.54	0.00	1,446.63	1,400.41	46.22	31.301	
9,775.00	9,438.56	9,443.79	9,438.56	27.88	19.23	92.75	292.54	0.00	1,453.29	1,407.05	46.23	31.435	
9,800.00	9,442.05	9,447.28	9,442.05	28.04	19.24	92.01	292.54	0.00	1,460.39	1,414.15	46.24	31.581	
9,825.00	9,444.23	9,449.47	9,444.23	28.21	19.24	91.15	292.54	0.00	1,467.93	1,421.67	46.25	31.738	
9,850.00	9,445.11	9,450.35	9,445.11	28.39	19.24	90.18	292.54	0.00	1,475.87	1,429.61	46.26	31.906	
9,859.14	9,445.11	9,450.34	9,445.11	28.46	19.24	89.80	292.54	0.00	1,478.87	1,432.61	46.26	31.971	
9,900.00	9,444.69	9,449.93	9,444.69	28.79	19.24	89.78	292.54	0.00	1,492.89	1,446.63	46.26	32.273	
10,000.00	9,443.68	9,448.92	9,443.68	29.72	19.24	89.74	292.54	0.00	1,531.28	1,485.02	46.26	33.101	

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 501H
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:	501H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 701H - OH - Plan 1 12-14-21													Offset Site Error:	0.00 usft
Survey Program:		0-MWD+HRGM						Rule Assigned:				Offset Well Error:	1.00 usft	
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	
10,100.00	9,442.67	9,447.90	9,442.67	30.81	19.24	89.70	292.54	0.00	1,575.08	1,528.83	46.26	34.050		
10,200.00	9,441.66	9,446.89	9,441.66	32.03	19.24	89.65	292.54	0.00	1,623.87	1,577.63	46.25	35.113		
10,300.00	9,440.64	9,445.88	9,440.64	33.36	19.24	89.61	292.54	0.00	1,677.21	1,630.98	46.23	36.279		
10,400.00	9,439.63	11,243.86	10,381.05	34.79	30.17	123.60	309.03	-1,055.05	1,701.76	1,640.48	61.29	27.767		
10,500.00	9,438.62	11,343.86	10,379.84	36.31	31.92	123.61	307.58	-1,155.02	1,700.88	1,636.95	63.94	26.603		
10,600.00	9,437.61	11,443.85	10,378.64	37.90	33.74	123.62	306.13	-1,255.00	1,700.00	1,633.29	66.71	25.484		
10,700.00	9,436.59	11,543.85	10,377.44	39.56	35.61	123.63	304.67	-1,354.98	1,699.12	1,629.53	69.59	24.416		
10,800.00	9,435.58	11,643.84	10,376.24	41.28	37.52	123.64	303.22	-1,454.96	1,698.24	1,625.67	72.57	23.402		
10,900.00	9,434.57	11,743.84	10,375.03	43.04	39.48	123.66	301.77	-1,554.94	1,697.36	1,621.72	75.63	22.443		
11,000.00	9,433.56	11,843.84	10,373.83	44.86	41.47	123.67	300.32	-1,654.91	1,696.47	1,617.71	78.77	21.538		
11,100.00	9,432.55	11,943.83	10,372.63	46.71	43.49	123.68	298.87	-1,754.89	1,695.59	1,613.63	81.97	20.687		
11,200.00	9,431.53	12,043.83	10,371.43	48.60	45.53	123.69	297.42	-1,854.87	1,694.71	1,609.49	85.22	19.886		
11,300.00	9,430.52	12,143.82	10,370.23	50.52	47.60	123.71	295.97	-1,954.85	1,693.83	1,605.30	88.53	19.133		
11,400.00	9,429.51	12,243.82	10,369.02	52.47	49.68	123.72	294.52	-2,054.82	1,692.95	1,601.07	91.88	18.425		
11,500.00	9,428.50	12,343.81	10,367.82	54.44	51.78	123.73	293.07	-2,154.80	1,692.07	1,596.79	95.28	17.760		
11,600.00	9,427.48	12,443.81	10,366.62	56.44	53.90	123.74	291.62	-2,254.78	1,691.19	1,592.48	98.70	17.134		
11,700.00	9,426.47	12,543.80	10,365.42	58.46	56.03	123.75	290.17	-2,354.76	1,690.31	1,588.14	102.17	16.545		
11,800.00	9,425.46	12,643.80	10,364.21	60.50	58.17	123.77	288.72	-2,454.73	1,689.43	1,583.77	105.66	15.990		
11,900.00	9,424.45	12,743.79	10,363.01	62.55	60.32	123.78	287.26	-2,554.71	1,688.55	1,579.38	109.17	15.467		
12,000.00	9,423.43	12,843.79	10,361.81	64.62	62.49	123.79	285.81	-2,654.69	1,687.67	1,574.96	112.71	14.974		
12,100.00	9,422.42	12,943.79	10,360.61	66.70	64.66	123.80	284.36	-2,754.67	1,686.79	1,570.52	116.27	14.508		
12,200.00	9,421.41	13,043.78	10,359.41	68.80	66.83	123.82	282.91	-2,854.65	1,685.90	1,566.06	119.85	14.067		
12,300.00	9,420.40	13,143.78	10,358.20	70.91	69.02	123.83	281.46	-2,954.62	1,685.02	1,561.58	123.44	13.650		
12,400.00	9,419.39	13,243.77	10,357.00	73.02	71.21	123.84	280.01	-3,054.60	1,684.14	1,557.09	127.06	13.255		
12,500.00	9,418.37	13,343.77	10,355.80	75.15	73.41	123.85	278.56	-3,154.58	1,683.26	1,552.58	130.68	12.880		
12,600.00	9,417.36	13,443.76	10,354.60	77.29	75.61	123.86	277.11	-3,254.56	1,682.38	1,548.06	134.32	12.525		
12,700.00	9,416.35	13,543.76	10,353.39	79.43	77.82	123.88	275.66	-3,354.53	1,681.50	1,543.53	137.98	12.187		
12,800.00	9,415.34	13,643.75	10,352.19	81.58	80.03	123.89	274.21	-3,454.51	1,680.62	1,538.99	141.64	11.866		
12,900.00	9,414.32	13,743.75	10,350.99	83.74	82.25	123.90	272.76	-3,554.49	1,679.74	1,534.43	145.31	11.560		
13,000.00	9,413.31	13,843.74	10,349.79	85.91	84.47	123.91	271.31	-3,654.47	1,678.87	1,529.87	148.99	11.268		
13,100.00	9,412.30	13,943.74	10,348.58	88.08	86.69	123.93	269.85	-3,754.45	1,677.99	1,525.30	152.68	10.990		
13,200.00	9,411.29	14,043.74	10,347.38	90.26	88.92	123.94	268.40	-3,854.42	1,677.11	1,520.72	156.38	10.724		
13,300.00	9,410.28	14,143.73	10,346.18	92.44	91.14	123.95	266.95	-3,954.40	1,676.23	1,516.14	160.09	10.471		
13,400.00	9,409.26	14,243.73	10,344.98	94.63	93.38	123.96	265.50	-4,054.38	1,675.35	1,511.55	163.80	10.228		
13,500.00	9,408.25	14,343.72	10,343.78	96.82	95.61	123.98	264.05	-4,154.36	1,674.47	1,506.95	167.52	9.996		
13,600.00	9,407.24	14,443.72	10,342.57	99.02	97.85	123.99	262.60	-4,254.33	1,673.59	1,502.34	171.25	9.773		
13,700.00	9,406.23	14,543.71	10,341.37	101.22	100.09	124.00	261.15	-4,354.31	1,672.71	1,497.73	174.98	9.560		
13,800.00	9,405.21	14,643.71	10,340.17	103.42	102.33	124.01	259.70	-4,454.29	1,671.83	1,493.12	178.71	9.355		
13,900.00	9,404.20	14,743.70	10,338.97	105.63	104.57	124.03	258.25	-4,554.27	1,670.95	1,488.50	182.45	9.158		
14,000.00	9,403.19	14,843.70	10,337.76	107.84	106.82	124.04	256.80	-4,654.24	1,670.07	1,483.88	186.19	8.970		
14,100.00	9,402.18	14,943.70	10,336.56	110.06	109.06	124.05	255.35	-4,754.22	1,669.19	1,479.25	189.94	8.788		
14,200.00	9,401.16	15,043.69	10,335.36	112.27	111.31	124.06	253.90	-4,854.20	1,668.31	1,474.62	193.69	8.613		
14,300.00	9,400.15	15,143.69	10,334.16	114.49	113.56	124.08	252.44	-4,954.18	1,667.44	1,469.99	197.45	8.445		
14,400.00	9,399.14	15,243.68	10,332.95	116.72	115.81	124.09	250.99	-5,054.16	1,666.56	1,465.35	201.20	8.283		
14,500.00	9,398.13	15,343.68	10,331.75	118.94	118.07	124.10	249.54	-5,154.13	1,665.68	1,460.71	204.96	8.127		
14,600.00	9,397.12	15,443.67	10,330.55	121.17	120.32	124.11	248.09	-5,254.11	1,664.80	1,456.07	208.73	7.976		
14,700.00	9,396.10	15,543.67	10,329.35	123.40	122.58	124.13	246.64	-5,354.09	1,663.92	1,451.43	212.49	7.830		
14,800.00	9,395.09	15,643.66	10,328.15	125.63	124.83	124.14	245.19	-5,454.07	1,663.04	1,446.78	216.26	7.690		
14,900.00	9,394.08	15,743.66	10,326.94	127.86	126.74	124.15	243.74	-5,554.04	1,662.17	1,442.44	219.73	7.565		
14,965.55	9,393.42	15,794.62	10,326.33	129.33	127.48	124.16	243.00	-5,605.00	1,661.65	1,440.11	221.54	7.500		
14,975.14	9,393.32	15,794.62	10,326.33	129.54	127.48	124.16	243.00	-5,605.00	1,661.68	1,439.99	221.69	7.496		

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 501H
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:	501H	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		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	1.00	1.00	0.00	60.00	0.00	60.00				
100.00	100.00	100.00	100.00	1.09	1.09	0.00	60.00	0.00	60.00	57.83	2.17	27.639	
200.00	200.00	200.00	200.00	1.60	1.60	0.00	60.00	0.00	60.00	56.80	3.20	18.750	
300.00	300.00	300.00	300.00	2.01	2.01	0.00	60.00	0.00	60.00	55.98	4.02	14.920	
400.00	400.00	400.00	400.00	2.35	2.35	0.00	60.00	0.00	60.00	55.29	4.71	12.747	
421.13	421.13	421.13	421.13	2.42	2.42	0.00	60.00	0.00	60.00	55.17	4.83	12.414	
500.00	500.00	500.00	500.00	2.65	2.65	0.00	60.00	0.00	60.00	54.69	5.31	11.300	
521.13	521.13	521.13	521.13	2.71	2.71	0.00	60.00	0.00	60.00	54.58	5.42	11.061	
600.00	600.00	600.00	600.00	2.93	2.93	0.00	60.00	0.00	60.00	54.14	5.86	10.247	
621.13	621.13	621.13	621.13	2.98	2.98	0.00	60.00	0.00	60.00	54.04	5.96	10.065	
700.00	700.00	700.00	700.00	3.18	3.18	0.00	60.00	0.00	60.00	53.64	6.36	9.436	
721.13	721.13	721.13	721.13	3.23	3.23	0.00	60.00	0.00	60.00	53.54	6.46	9.291	
800.00	800.00	800.00	800.00	3.41	3.41	0.00	60.00	0.00	60.00	53.17	6.83	8.787	
821.13	821.13	821.13	821.13	3.46	3.46	0.00	60.00	0.00	60.00	53.08	6.92	8.668	
900.00	900.00	900.00	900.00	3.64	3.64	0.00	60.00	0.00	60.00	52.73	7.27	8.251	
921.13	921.13	921.13	921.13	3.68	3.68	0.00	60.00	0.00	60.00	52.64	7.36	8.151	
1,000.00	1,000.00	1,000.00	1,000.00	3.85	3.85	0.00	60.00	0.00	60.00	52.31	7.69	7.799	
1,021.13	1,021.13	1,021.13	1,021.13	3.89	3.89	0.00	60.00	0.00	60.00	52.22	7.78	7.714	
1,100.00	1,100.00	1,100.00	1,100.00	4.05	4.05	0.00	60.00	0.00	60.00	51.90	8.10	7.411	
1,121.13	1,121.13	1,121.13	1,121.13	4.09	4.09	0.00	60.00	0.00	60.00	51.82	8.18	7.337	
1,200.00	1,200.00	1,200.00	1,200.00	4.24	4.24	0.00	60.00	0.00	60.00	51.52	8.48	7.073	
1,221.13	1,221.13	1,221.13	1,221.13	4.28	4.28	0.00	60.00	0.00	60.00	51.44	8.56	7.008	
1,300.00	1,300.00	1,300.00	1,300.00	4.43	4.43	0.00	60.00	0.00	60.00	51.14	8.86	6.776	
1,321.13	1,321.13	1,321.13	1,321.13	4.47	4.47	0.00	60.00	0.00	60.00	51.07	8.93	6.718	
1,400.00	1,400.00	1,400.00	1,400.00	4.61	4.61	0.00	60.00	0.00	60.00	50.78	9.22	6.510	
1,421.13	1,421.13	1,421.13	1,421.13	4.64	4.64	0.00	60.00	0.00	60.00	50.71	9.29	6.459	
1,500.00	1,500.00	1,500.00	1,500.00	4.78	4.78	0.00	60.00	0.00	60.00	50.43	9.57	6.272	
1,521.13	1,521.13	1,521.13	1,521.13	4.82	4.82	0.00	60.00	0.00	60.00	50.36	9.64	6.226	
1,600.00	1,600.00	1,600.00	1,600.00	4.95	4.95	0.00	60.00	0.00	60.00	50.09	9.91	6.057	
1,621.13	1,621.13	1,621.13	1,621.13	4.99	4.99	0.00	60.00	0.00	60.00	50.02	9.98	6.014	
1,700.00	1,700.00	1,700.00	1,700.00	5.12	5.12	0.00	60.00	0.00	60.00	49.76	10.24	5.861	
1,721.13	1,721.13	1,721.13	1,721.13	5.15	5.15	0.00	60.00	0.00	60.00	49.69	10.31	5.822	
1,800.00	1,800.00	1,800.00	1,800.00	5.28	5.28	0.00	60.00	0.00	60.00	49.44	10.56	5.681	
1,821.13	1,821.13	1,821.13	1,821.13	5.31	5.31	0.00	60.00	0.00	60.00	49.37	10.63	5.645	
1,900.00	1,900.00	1,900.00	1,900.00	5.44	5.44	0.00	60.00	0.00	60.00	49.12	10.88	5.516	
1,921.13	1,921.13	1,921.13	1,921.13	5.47	5.47	0.00	60.00	0.00	60.00	49.06	10.94	5.483	
2,000.00	2,000.00	2,000.00	2,000.00	5.59	5.59	0.00	60.00	0.00	60.00	48.81	11.19	5.363	
2,021.13	2,021.13	2,021.13	2,021.13	5.63	5.63	0.00	60.00	0.00	60.00	48.75	11.25	5.333	
2,100.00	2,100.00	2,100.00	2,100.00	5.75	5.75	0.00	60.00	0.00	60.00	48.51	11.49	5.221	
2,121.13	2,121.13	2,121.13	2,121.13	5.78	5.78	0.00	60.00	0.00	60.00	48.45	11.55	5.193	
2,200.00	2,200.00	2,200.00	2,200.00	5.89	5.89	0.00	60.00	0.00	60.00	48.21	11.79	5.089	
2,221.13	2,221.13	2,221.13	2,221.13	5.93	5.93	0.00	60.00	0.00	60.00	48.15	11.85	5.063	
2,300.00	2,300.00	2,300.00	2,300.00	6.04	6.04	0.00	60.00	0.00	60.00	47.92	12.08	4.966	
2,321.13	2,321.13	2,321.13	2,321.13	6.07	6.07	0.00	60.00	0.00	60.00	47.86	12.14	4.941	
2,400.00	2,400.00	2,400.00	2,400.00	6.19	6.19	0.00	60.00	0.00	60.00	47.63	12.37	4.850	
2,421.13	2,421.13	2,421.13	2,421.13	6.22	6.22	0.00	60.00	0.00	60.00	47.57	12.43	4.827	
2,500.00	2,500.00	2,500.00	2,500.00	6.33	6.33	0.00	60.00	0.00	60.00	47.35	12.65	4.741	
2,521.13	2,521.13	2,521.13	2,521.13	6.36	6.36	0.00	60.00	0.00	60.00	47.29	12.71	4.719	
2,600.00	2,600.00	2,600.00	2,600.00	6.47	6.47	0.00	60.00	0.00	60.00	47.07	12.93	4.639	
2,621.13	2,621.13	2,621.13	2,621.13	6.50	6.50	0.00	60.00	0.00	60.00	47.01	12.99	4.618	
2,700.00	2,700.00	2,700.00	2,700.00	6.61	6.61	0.00	60.00	0.00	60.00	46.79	13.21	4.542	
2,721.13	2,721.13	2,721.13	2,721.13	6.63	6.63	0.00	60.00	0.00	60.00	46.73	13.27	4.522	

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 501H
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:	501H	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:												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	
2,800.00	2,800.00	2,800.00	2,800.00	6.74	6.74	0.00	60.00	0.00	60.00	46.52	13.48	4.450	
2,821.13	2,821.13	2,821.13	2,821.13	6.77	6.77	0.00	60.00	0.00	60.00	46.46	13.54	4.432	
2,900.00	2,900.00	2,900.00	2,900.00	6.88	6.88	0.00	60.00	0.00	60.00	46.25	13.75	4.363	
2,921.13	2,921.13	2,921.13	2,921.13	6.90	6.90	0.00	60.00	0.00	60.00	46.19	13.81	4.346	
3,000.00	3,000.00	3,000.00	3,000.00	7.01	7.01	0.00	60.00	0.00	60.00	45.98	14.02	4.281	
3,033.33	3,033.33	3,033.33	3,033.33	7.05	7.05	0.00	60.00	0.00	60.00	45.90	14.10	4.254	
3,100.00	3,100.00	3,100.00	3,100.00	7.14	7.14	0.00	60.00	0.00	60.00	45.72	14.28	4.202	
3,200.00	3,200.00	3,200.00	3,200.00	7.27	7.27	0.00	60.00	0.00	60.00	45.46	14.54	4.127	
3,300.00	3,300.00	3,300.00	3,300.00	7.40	7.40	0.00	60.00	0.00	60.00	45.21	14.79	4.056	
3,400.00	3,400.00	3,400.00	3,400.00	7.52	7.52	0.00	60.00	0.00	60.00	44.95	15.05	3.987	
3,500.00	3,500.00	3,500.00	3,500.00	7.65	7.65	0.00	60.00	0.00	60.00	44.70	15.30	3.921	
3,600.00	3,600.00	3,600.00	3,600.00	7.77	7.77	0.00	60.00	0.00	60.00	44.45	15.55	3.859	
3,700.00	3,700.00	3,700.00	3,700.00	7.90	7.90	0.00	60.00	0.00	60.00	44.20	15.80	3.798	
3,800.00	3,800.00	3,800.00	3,800.00	8.02	8.02	0.00	60.00	0.00	60.00	43.96	16.04	3.740	
3,900.00	3,900.00	3,900.00	3,900.00	8.14	8.14	0.00	60.00	0.00	60.00	43.72	16.28	3.685	
4,000.00	4,000.00	4,000.00	4,000.00	8.26	8.26	0.00	60.00	0.00	60.00	43.47	16.53	3.631 CC, ES, SF	
4,100.00	4,099.98	4,097.87	4,097.85	8.38	8.48	179.72	61.64	-0.30	63.43	46.58	16.85	3.764	
4,200.00	4,199.84	4,196.18	4,196.05	8.74	8.61	179.09	66.24	-1.16	73.34	56.01	17.34	4.230	
4,300.00	4,299.45	4,295.20	4,294.94	9.11	8.74	178.60	71.34	-2.10	87.22	69.39	17.83	4.892	
4,400.00	4,398.70	4,393.68	4,393.28	9.48	8.89	178.30	76.42	-3.04	104.55	86.21	18.34	5.700	
4,500.00	4,497.45	4,491.50	4,490.96	9.85	9.05	178.13	81.46	-3.98	125.32	106.45	18.87	6.641	
4,600.00	4,595.60	4,588.53	4,587.86	10.24	9.21	178.05	86.46	-4.91	149.49	130.08	19.41	7.701	
4,700.00	4,693.02	4,684.65	4,683.85	10.62	9.39	178.03	91.41	-5.82	177.05	157.08	19.97	8.867	
4,748.40	4,739.87	4,730.81	4,729.95	10.72	9.47	178.03	93.79	-6.27	191.58	171.44	20.15	9.509	
4,800.00	4,789.72	4,779.90	4,778.96	10.80	9.57	178.04	96.32	-6.74	207.50	187.18	20.32	10.212	
4,900.00	4,886.31	4,875.02	4,873.96	10.99	9.75	178.07	101.22	-7.64	238.35	217.66	20.69	11.520	
5,000.00	4,982.90	4,970.15	4,968.95	11.20	9.95	178.09	106.12	-8.55	269.19	248.10	21.09	12.763	
5,100.00	5,079.49	5,065.27	5,063.94	11.43	10.15	178.10	111.02	-9.46	300.04	278.52	21.52	13.943	
5,200.00	5,176.08	5,160.39	5,158.94	11.68	10.35	178.11	115.92	-10.37	330.88	308.92	21.97	15.063	
5,300.00	5,272.67	5,255.52	5,253.93	11.94	10.57	178.12	120.82	-11.28	361.73	339.29	22.44	16.122	
5,400.00	5,369.26	5,350.64	5,348.92	12.22	10.79	178.13	125.73	-12.19	392.58	369.65	22.93	17.122	
5,500.00	5,465.85	5,445.76	5,443.92	12.51	11.01	178.14	130.63	-13.10	423.42	399.99	23.44	18.067	
5,600.00	5,562.44	5,540.89	5,538.91	12.81	11.24	178.14	135.53	-14.01	454.27	430.31	23.96	18.957	
5,700.00	5,659.03	5,636.01	5,633.90	13.13	11.48	178.15	140.43	-14.92	485.11	460.61	24.51	19.795	
5,800.00	5,755.62	5,731.14	5,728.89	13.46	11.71	178.15	145.33	-15.83	515.96	490.90	25.06	20.585	
5,900.00	5,852.21	5,826.26	5,823.89	13.79	11.96	178.16	150.23	-16.73	546.81	521.17	25.64	21.328	
6,000.00	5,948.80	5,921.38	5,918.88	14.14	12.20	178.16	155.14	-17.64	577.65	551.43	26.22	22.028	
6,100.00	6,045.39	6,016.51	6,013.87	14.50	12.46	178.16	160.04	-18.55	608.50	581.68	26.82	22.686	
6,200.00	6,141.98	6,111.63	6,108.87	14.86	12.71	178.17	164.94	-19.46	639.34	611.91	27.43	23.306	
6,300.00	6,238.57	6,206.75	6,203.86	15.23	12.97	178.17	169.84	-20.37	670.19	642.14	28.05	23.889	
6,400.00	6,335.16	6,301.88	6,298.85	15.61	13.23	178.17	174.74	-21.28	701.04	672.35	28.69	24.439	
6,500.00	6,431.75	6,397.00	6,393.85	16.00	13.49	178.17	179.64	-22.19	731.88	702.56	29.33	24.957	
6,600.00	6,528.34	6,492.13	6,488.84	16.39	13.76	178.18	184.54	-23.10	762.73	732.75	29.98	25.445	
6,700.00	6,624.94	6,587.25	6,583.83	16.79	14.03	178.18	189.45	-24.01	793.57	762.94	30.63	25.905	
6,800.00	6,721.53	6,682.37	6,678.83	17.19	14.30	178.18	194.35	-24.91	824.42	793.12	31.30	26.340	
6,900.00	6,818.12	6,777.50	6,773.82	17.60	14.57	178.18	199.25	-25.82	855.27	823.29	31.97	26.750	
7,000.00	6,914.71	6,872.62	6,868.81	18.01	14.85	178.18	204.15	-26.73	886.11	853.46	32.65	27.138	
7,100.00	7,011.30	6,967.74	6,963.80	18.43	15.12	178.18	209.05	-27.64	916.96	883.62	33.34	27.504	
7,200.00	7,107.89	7,062.87	7,058.80	18.85	15.40	178.18	213.95	-28.55	947.80	913.77	34.03	27.851	
7,300.00	7,204.48	7,157.99	7,153.79	19.28	15.69	178.19	218.85	-29.46	978.65	943.92	34.73	28.180	
7,400.00	7,301.07	7,253.12	7,248.78	19.70	15.97	178.19	223.76	-30.37	1,009.50	974.06	35.43	28.491	
7,500.00	7,397.66	7,348.24	7,343.78	20.14	16.25	178.19	228.66	-31.28	1,040.34	1,004.20	36.14	28.786	

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 501H
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:	501H	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	Rule Assigned:											Warning
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	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
7,600.00	7,494.25	7,443.36	7,438.77	20.57	16.54	178.19	233.56	-32.19	1,071.19	1,034.33	36.85	29.066	
7,700.00	7,590.84	7,538.49	7,533.76	21.01	16.83	178.19	238.46	-33.10	1,102.03	1,064.46	37.57	29.332	
7,800.00	7,687.43	7,633.61	7,628.76	21.45	17.12	178.19	243.36	-34.00	1,132.88	1,094.59	38.29	29.585	
7,900.00	7,784.02	7,728.73	7,723.75	21.89	17.41	178.19	248.26	-34.91	1,163.73	1,124.71	39.02	29.826	
8,000.00	7,880.61	7,823.86	7,818.74	22.34	17.70	178.19	253.16	-35.82	1,194.57	1,154.82	39.75	30.054	
8,100.00	7,977.20	7,918.98	7,913.73	22.79	17.99	178.19	258.07	-36.73	1,225.42	1,184.94	40.48	30.272	
8,200.00	8,073.79	8,014.11	8,008.73	23.24	18.29	178.19	262.97	-37.64	1,256.26	1,215.05	41.22	30.480	
8,255.91	8,127.79	8,067.29	8,061.84	23.48	18.45	178.19	265.71	-38.15	1,273.51	1,231.89	41.62	30.597	
8,300.00	8,170.47	8,109.33	8,103.82	23.68	18.58	178.20	267.87	-38.55	1,286.78	1,244.85	41.94	30.683	
8,400.00	8,267.85	8,261.48	8,255.86	24.17	18.98	178.23	273.09	-39.52	1,313.04	1,270.04	43.00	30.534	
8,500.00	8,365.97	8,371.59	8,365.97	24.69	19.09	178.27	273.21	-39.54	1,332.37	1,288.70	43.67	30.510	
8,600.00	8,464.71	8,470.33	8,464.71	25.20	19.16	178.30	273.21	-39.54	1,348.19	1,303.95	44.24	30.474	
8,700.00	8,563.94	8,569.55	8,563.94	25.68	19.22	178.32	273.21	-39.54	1,360.55	1,315.76	44.79	30.375	
8,800.00	8,663.54	8,669.15	8,663.54	26.14	19.29	178.34	273.21	-39.54	1,369.44	1,324.12	45.31	30.223	
8,900.00	8,763.38	8,769.00	8,763.38	26.55	19.36	178.35	273.21	-39.54	1,374.83	1,329.04	45.79	30.025	
9,000.00	8,863.36	8,868.98	8,863.36	26.70	19.43	178.35	273.21	-39.54	1,376.73	1,330.72	46.01	29.923	
9,004.30	8,867.67	8,873.28	8,867.67	26.71	19.43	-1.64	273.21	-39.54	1,376.73	1,330.71	46.02	29.917	
9,100.00	8,963.36	8,968.98	8,963.36	26.77	19.48	-1.64	273.21	-39.54	1,376.73	1,330.60	46.13	29.842	
9,104.30	8,967.67	8,973.27	8,967.65	26.77	19.49	-1.64	273.21	-39.54	1,376.73	1,330.59	46.14	29.839	
9,107.75	8,971.11	8,976.58	8,970.96	26.77	19.49	88.65	273.21	-39.55	1,376.73	1,330.59	46.14	29.839	
9,125.00	8,988.35	8,993.15	8,987.52	26.77	19.49	88.65	273.20	-39.97	1,376.73	1,330.59	46.14	29.838	
9,150.00	9,013.29	9,017.16	9,011.48	26.77	19.51	88.66	273.18	-41.58	1,376.71	1,330.57	46.14	29.837	
9,175.00	9,038.10	9,041.17	9,035.33	26.77	19.52	88.67	273.14	-44.41	1,376.68	1,330.54	46.14	29.834	
9,200.00	9,062.72	9,065.20	9,059.01	26.78	19.54	88.68	273.08	-48.42	1,376.64	1,330.49	46.15	29.831	
9,225.00	9,087.08	9,089.23	9,082.46	26.78	19.57	88.69	273.01	-53.63	1,376.58	1,330.43	46.15	29.826	
9,250.00	9,111.11	9,113.27	9,105.64	26.78	19.59	88.71	272.91	-60.01	1,376.52	1,330.36	46.16	29.820	
9,275.00	9,134.75	9,137.32	9,128.48	26.79	19.61	88.73	272.81	-67.55	1,376.44	1,330.27	46.17	29.812	
9,300.00	9,157.93	9,161.39	9,150.92	26.79	19.64	88.76	272.68	-76.24	1,376.35	1,330.16	46.18	29.801	
9,325.00	9,180.59	9,185.48	9,172.91	26.80	19.67	88.79	272.54	-86.06	1,376.25	1,330.04	46.20	29.788	
9,350.00	9,202.66	9,209.59	9,194.40	26.81	19.71	88.82	272.38	-96.98	1,376.13	1,329.91	46.22	29.771	
9,375.00	9,224.09	9,233.71	9,215.33	26.82	19.75	88.85	272.21	-108.99	1,376.01	1,329.75	46.25	29.750	
9,400.00	9,244.82	9,257.87	9,235.64	26.83	19.79	88.89	272.02	-122.05	1,375.87	1,329.58	46.29	29.724	
9,425.00	9,264.79	9,282.05	9,255.29	26.85	19.83	88.93	271.82	-136.13	1,375.73	1,329.39	46.33	29.693	
9,450.00	9,283.94	9,306.26	9,274.22	26.87	19.88	88.97	271.60	-151.21	1,375.57	1,329.18	46.39	29.654	
9,475.00	9,302.23	9,330.50	9,292.39	26.90	19.94	89.02	271.37	-167.26	1,375.41	1,328.95	46.45	29.608	
9,500.00	9,319.60	9,354.77	9,309.74	26.93	20.00	89.07	271.12	-184.22	1,375.23	1,328.70	46.53	29.553	
9,525.00	9,336.00	9,379.08	9,326.23	26.96	20.07	89.12	270.87	-202.08	1,375.05	1,328.42	46.63	29.488	
9,550.00	9,351.40	9,403.42	9,341.81	27.01	20.14	89.18	270.60	-220.78	1,374.86	1,328.12	46.75	29.412	
9,575.00	9,365.74	9,427.80	9,356.44	27.06	20.23	89.23	270.32	-240.28	1,374.67	1,327.79	46.88	29.323	
9,600.00	9,378.99	9,452.23	9,370.08	27.12	20.32	89.29	270.02	-260.53	1,374.46	1,327.43	47.04	29.222	
9,625.00	9,391.12	9,476.69	9,382.69	27.20	20.42	89.35	269.72	-281.49	1,374.26	1,327.04	47.21	29.107	
9,650.00	9,402.08	9,501.20	9,394.23	27.28	20.54	89.41	269.41	-303.11	1,374.04	1,326.63	47.42	28.978	
9,675.00	9,411.86	9,525.75	9,404.65	27.37	20.66	89.48	269.09	-325.33	1,373.83	1,326.18	47.65	28.833	
9,700.00	9,420.41	9,550.35	9,413.94	27.48	20.80	89.54	268.76	-348.11	1,373.60	1,325.70	47.90	28.674	
9,725.00	9,427.73	9,575.00	9,422.06	27.60	20.95	89.61	268.43	-371.37	1,373.38	1,325.19	48.19	28.501	
9,750.00	9,433.78	9,599.70	9,428.98	27.73	21.11	89.68	268.09	-395.08	1,373.15	1,324.65	48.50	28.313	
9,775.00	9,438.56	9,624.45	9,434.68	27.88	21.28	89.75	267.74	-419.16	1,372.92	1,324.08	48.84	28.111	
9,800.00	9,442.05	9,649.25	9,439.12	28.04	21.47	89.82	267.39	-443.55	1,372.69	1,323.49	49.20	27.898	
9,825.00	9,444.23	9,674.10	9,442.30	28.21	21.67	89.89	267.03	-468.19	1,372.46	1,322.86	49.60	27.673	
9,850.00	9,445.11	9,699.00	9,444.20	28.39	21.88	89.96	266.67	-493.01	1,372.23	1,322.22	50.01	27.438	
9,859.14	9,445.11	9,708.12	9,444.57	28.46	21.97	89.98	266.54	-502.12	1,372.14	1,321.97	50.17	27.349	
9,900.00	9,444.69	9,748.96	9,444.56	28.79	22.35	90.00	265.95	-542.96	1,371.77	1,320.85	50.92	26.941	

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 501H
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:	501H	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			Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		Separation Factor	
10,000.00	9,443.68	9,848.96	9,443.55	29.72	23.44	90.00	264.51	-642.94	1,370.84	1,317.87	52.98	25.875		
10,100.00	9,442.67	9,948.95	9,442.54	30.81	24.70	90.00	263.07	-742.92	1,369.92	1,314.58	55.34	24.755		
10,200.00	9,441.66	10,048.95	9,441.53	32.03	26.11	90.00	261.63	-842.90	1,369.00	1,311.04	57.96	23.618		
10,300.00	9,440.64	10,148.94	9,440.51	33.36	27.64	90.00	260.19	-942.88	1,368.08	1,307.26	60.82	22.494		
10,400.00	9,439.63	10,248.94	9,439.50	34.79	29.27	90.00	258.75	-1,042.86	1,367.16	1,303.28	63.87	21.404		
10,500.00	9,438.62	10,348.93	9,438.49	36.31	31.00	90.00	257.31	-1,142.84	1,366.23	1,299.13	67.10	20.361		
10,600.00	9,437.61	10,448.93	9,437.48	37.90	32.79	90.00	255.87	-1,242.82	1,365.31	1,294.84	70.47	19.373		
10,700.00	9,436.59	10,548.93	9,436.46	39.56	34.64	90.00	254.43	-1,342.80	1,364.39	1,290.41	73.98	18.444		
10,800.00	9,435.58	10,648.92	9,435.45	41.28	36.55	90.00	252.99	-1,442.78	1,363.47	1,285.88	77.59	17.573		
10,900.00	9,434.57	10,748.92	9,434.44	43.04	38.49	90.00	251.54	-1,542.76	1,362.54	1,281.25	81.30	16.760		
11,000.00	9,433.56	10,848.91	9,433.43	44.86	40.48	90.00	250.10	-1,642.74	1,361.62	1,276.54	85.09	16.003		
11,100.00	9,432.55	10,948.91	9,432.42	46.71	42.49	90.00	248.66	-1,742.72	1,360.70	1,271.75	88.95	15.297		
11,200.00	9,431.53	11,048.90	9,431.40	48.60	44.53	90.00	247.22	-1,842.70	1,359.78	1,266.90	92.88	14.640		
11,300.00	9,430.52	11,148.90	9,430.39	50.52	46.59	90.00	245.78	-1,942.68	1,358.86	1,261.99	96.86	14.029		
11,400.00	9,429.51	11,248.90	9,429.38	52.47	48.68	90.00	244.34	-2,042.66	1,357.93	1,257.04	100.90	13.459		
11,500.00	9,428.50	11,348.89	9,428.37	54.44	50.78	90.00	242.90	-2,142.64	1,357.01	1,252.04	104.97	12.927		
11,600.00	9,427.48	11,448.89	9,427.35	56.44	52.89	90.00	241.46	-2,242.62	1,356.09	1,247.00	109.09	12.431		
11,700.00	9,426.47	11,548.88	9,426.34	58.46	55.02	90.00	240.02	-2,342.60	1,355.17	1,241.93	113.24	11.967		
11,800.00	9,425.46	11,648.88	9,425.33	60.50	57.17	90.00	238.58	-2,442.58	1,354.24	1,236.82	117.42	11.533		
11,900.00	9,424.45	11,748.87	9,424.32	62.55	59.32	90.00	237.14	-2,542.56	1,353.32	1,231.69	121.63	11.126		
12,000.00	9,423.43	11,848.87	9,423.30	64.62	61.48	90.00	235.69	-2,642.54	1,352.40	1,226.53	125.87	10.744		
12,100.00	9,422.42	11,948.87	9,422.29	66.70	63.65	90.00	234.25	-2,742.52	1,351.48	1,221.35	130.13	10.386		
12,200.00	9,421.41	12,048.86	9,421.28	68.80	65.83	90.00	232.81	-2,842.50	1,350.56	1,216.15	134.41	10.048		
12,300.00	9,420.40	12,148.86	9,420.27	70.91	68.02	90.00	231.37	-2,942.48	1,349.63	1,210.93	138.71	9.730		
12,400.00	9,419.39	12,248.85	9,419.26	73.02	70.21	90.00	229.93	-3,042.46	1,348.71	1,205.69	143.02	9.430		
12,500.00	9,418.37	12,348.85	9,418.24	75.15	72.41	90.00	228.49	-3,142.44	1,347.79	1,200.44	147.35	9.147		
12,600.00	9,417.36	12,448.84	9,417.23	77.29	74.61	90.00	227.05	-3,242.42	1,346.87	1,195.17	151.70	8.879		
12,700.00	9,416.35	12,548.84	9,416.22	79.43	76.82	90.00	225.61	-3,342.40	1,345.94	1,189.89	156.05	8.625		
12,800.00	9,415.34	12,648.84	9,415.21	81.58	79.04	90.00	224.17	-3,442.38	1,345.02	1,184.60	160.42	8.384		
12,900.00	9,414.32	12,748.83	9,414.19	83.74	81.25	90.00	222.73	-3,542.36	1,344.10	1,179.30	164.80	8.156		
13,000.00	9,413.31	12,848.83	9,413.18	85.91	83.47	90.00	221.29	-3,642.34	1,343.18	1,173.98	169.19	7.939		
13,100.00	9,412.30	12,948.82	9,412.17	88.08	85.70	90.00	219.84	-3,742.33	1,342.26	1,168.66	173.59	7.732		
13,200.00	9,411.29	13,048.82	9,411.16	90.26	87.93	90.00	218.40	-3,842.31	1,341.33	1,163.33	178.00	7.535		
13,300.00	9,410.28	13,148.82	9,410.15	92.44	90.16	90.00	216.96	-3,942.29	1,340.41	1,157.99	182.42	7.348		
13,400.00	9,409.26	13,248.81	9,409.13	94.63	92.39	90.00	215.52	-4,042.27	1,339.49	1,152.64	186.85	7.169		
13,500.00	9,408.25	13,348.81	9,408.12	96.82	94.63	90.00	214.08	-4,142.25	1,338.57	1,147.29	191.28	6.998		
13,600.00	9,407.24	13,448.80	9,407.11	99.02	96.86	90.00	212.64	-4,242.23	1,337.65	1,141.93	195.72	6.835		
13,700.00	9,406.23	13,548.80	9,406.10	101.22	99.10	90.00	211.20	-4,342.21	1,336.72	1,136.56	200.16	6.678		
13,800.00	9,405.21	13,648.79	9,405.08	103.42	101.35	90.00	209.76	-4,442.19	1,335.80	1,131.19	204.61	6.529		
13,900.00	9,404.20	13,748.79	9,404.07	105.63	103.59	90.00	208.32	-4,542.17	1,334.88	1,125.81	209.07	6.385		
14,000.00	9,403.19	13,848.79	9,403.06	107.84	105.84	90.00	206.88	-4,642.15	1,333.96	1,120.43	213.53	6.247		
14,100.00	9,402.18	13,948.78	9,402.05	110.06	108.08	90.00	205.44	-4,742.13	1,333.03	1,115.04	217.99	6.115		
14,200.00	9,401.16	14,048.78	9,401.03	112.27	110.33	90.00	203.99	-4,842.11	1,332.11	1,109.65	222.46	5.988		
14,300.00	9,400.15	14,148.77	9,400.02	114.49	112.58	90.00	202.55	-4,942.09	1,331.19	1,104.26	226.93	5.866		
14,400.00	9,399.14	14,248.77	9,399.01	116.72	114.84	90.00	201.11	-5,042.07	1,330.27	1,098.86	231.41	5.748		
14,500.00	9,398.13	14,348.76	9,398.00	118.94	117.09	90.00	199.67	-5,142.05	1,329.35	1,093.45	235.89	5.635		
14,600.00	9,397.12	14,448.76	9,396.99	121.17	119.34	90.00	198.23	-5,242.03	1,328.42	1,088.04	240.38	5.526		
14,700.00	9,396.10	14,548.76	9,395.97	123.40	121.60	90.00	196.79	-5,342.01	1,327.50	1,082.63	244.87	5.421		
14,800.00	9,395.09	14,648.75	9,394.96	125.63	123.86	90.00	195.35	-5,441.99	1,326.58	1,077.22	249.36	5.320		
14,900.00	9,394.08	14,748.75	9,393.95	127.86	126.12	90.00	193.91	-5,541.97	1,325.66	1,071.80	253.85	5.222		
14,975.14	9,393.32	14,811.79	9,393.31	129.54	127.54	90.00	193.00	-5,605.00	1,325.02	1,068.11	256.90	5.158		

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 501H
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:	501H	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		Distance		Rule Assigned:		Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
0.00	0.00	0.00	0.00	1.00	1.00	0.00	30.00	0.00	30.00			
100.00	100.00	100.00	100.00	1.09	1.09	0.00	30.00	0.00	30.00	27.83	2.17	13.820
200.00	200.00	200.00	200.00	1.60	1.60	0.00	30.00	0.00	30.00	26.80	3.20	9.375
300.00	300.00	300.00	300.00	2.01	2.01	0.00	30.00	0.00	30.00	25.98	4.02	7.460
400.00	400.00	400.00	400.00	2.35	2.35	0.00	30.00	0.00	30.00	25.29	4.71	6.373
421.13	421.13	421.13	421.13	2.42	2.42	0.00	30.00	0.00	30.00	25.17	4.83	6.207
500.00	500.00	500.00	500.00	2.65	2.65	0.00	30.00	0.00	30.00	24.69	5.31	5.650
521.13	521.13	521.13	521.13	2.71	2.71	0.00	30.00	0.00	30.00	24.58	5.42	5.530
600.00	600.00	600.00	600.00	2.93	2.93	0.00	30.00	0.00	30.00	24.14	5.86	5.123
621.13	621.13	621.13	621.13	2.98	2.98	0.00	30.00	0.00	30.00	24.04	5.96	5.032
700.00	700.00	700.00	700.00	3.18	3.18	0.00	30.00	0.00	30.00	23.64	6.36	4.718
721.13	721.13	721.13	721.13	3.23	3.23	0.00	30.00	0.00	30.00	23.54	6.46	4.646
800.00	800.00	800.00	800.00	3.41	3.41	0.00	30.00	0.00	30.00	23.17	6.83	4.393
821.13	821.13	821.13	821.13	3.46	3.46	0.00	30.00	0.00	30.00	23.08	6.92	4.334
900.00	900.00	900.00	900.00	3.64	3.64	0.00	30.00	0.00	30.00	22.73	7.27	4.125
921.13	921.13	921.13	921.13	3.68	3.68	0.00	30.00	0.00	30.00	22.64	7.36	4.076
1,000.00	1,000.00	1,000.00	1,000.00	3.85	3.85	0.00	30.00	0.00	30.00	22.31	7.69	3.900
1,021.13	1,021.13	1,021.13	1,021.13	3.89	3.89	0.00	30.00	0.00	30.00	22.22	7.78	3.857
1,100.00	1,100.00	1,100.00	1,100.00	4.05	4.05	0.00	30.00	0.00	30.00	21.90	8.10	3.706
1,121.13	1,121.13	1,121.13	1,121.13	4.09	4.09	0.00	30.00	0.00	30.00	21.82	8.18	3.669
1,200.00	1,200.00	1,200.00	1,200.00	4.24	4.24	0.00	30.00	0.00	30.00	21.52	8.48	3.537
1,221.13	1,221.13	1,221.13	1,221.13	4.28	4.28	0.00	30.00	0.00	30.00	21.44	8.56	3.504
1,300.00	1,300.00	1,300.00	1,300.00	4.43	4.43	0.00	30.00	0.00	30.00	21.14	8.86	3.388
1,321.13	1,321.13	1,321.13	1,321.13	4.47	4.47	0.00	30.00	0.00	30.00	21.07	8.93	3.359
1,400.00	1,400.00	1,400.00	1,400.00	4.61	4.61	0.00	30.00	0.00	30.00	20.78	9.22	3.255
1,421.13	1,421.13	1,421.13	1,421.13	4.64	4.64	0.00	30.00	0.00	30.00	20.71	9.29	3.229
1,500.00	1,500.00	1,500.00	1,500.00	4.78	4.78	0.00	30.00	0.00	30.00	20.43	9.57	3.136
1,521.13	1,521.13	1,521.13	1,521.13	4.82	4.82	0.00	30.00	0.00	30.00	20.36	9.64	3.113
1,600.00	1,600.00	1,600.00	1,600.00	4.95	4.95	0.00	30.00	0.00	30.00	20.09	9.91	3.028
1,621.13	1,621.13	1,621.13	1,621.13	4.99	4.99	0.00	30.00	0.00	30.00	20.02	9.98	3.007
1,700.00	1,700.00	1,700.00	1,700.00	5.12	5.12	0.00	30.00	0.00	30.00	19.76	10.24	2.930
1,721.13	1,721.13	1,721.13	1,721.13	5.15	5.15	0.00	30.00	0.00	30.00	19.69	10.31	2.911
1,800.00	1,800.00	1,800.00	1,800.00	5.28	5.28	0.00	30.00	0.00	30.00	19.44	10.56	2.841
1,821.13	1,821.13	1,821.13	1,821.13	5.31	5.31	0.00	30.00	0.00	30.00	19.37	10.63	2.823
1,900.00	1,900.00	1,900.00	1,900.00	5.44	5.44	0.00	30.00	0.00	30.00	19.12	10.88	2.758
1,921.13	1,921.13	1,921.13	1,921.13	5.47	5.47	0.00	30.00	0.00	30.00	19.06	10.94	2.741
2,000.00	2,000.00	2,000.00	2,000.00	5.59	5.59	0.00	30.00	0.00	30.00	18.81	11.19	2.682
2,021.13	2,021.13	2,021.13	2,021.13	5.63	5.63	0.00	30.00	0.00	30.00	18.75	11.25	2.666
2,100.00	2,100.00	2,100.00	2,100.00	5.75	5.75	0.00	30.00	0.00	30.00	18.51	11.49	2.611
2,121.13	2,121.13	2,121.13	2,121.13	5.78	5.78	0.00	30.00	0.00	30.00	18.45	11.55	2.596
2,200.00	2,200.00	2,200.00	2,200.00	5.89	5.89	0.00	30.00	0.00	30.00	18.21	11.79	2.545
2,221.13	2,221.13	2,221.13	2,221.13	5.93	5.93	0.00	30.00	0.00	30.00	18.15	11.85	2.531
2,300.00	2,300.00	2,300.00	2,300.00	6.04	6.04	0.00	30.00	0.00	30.00	17.92	12.08	2.483
2,321.13	2,321.13	2,321.13	2,321.13	6.07	6.07	0.00	30.00	0.00	30.00	17.86	12.14	2.470
2,400.00	2,400.00	2,400.00	2,400.00	6.19	6.19	0.00	30.00	0.00	30.00	17.63	12.37	2.425
2,421.13	2,421.13	2,421.13	2,421.13	6.22	6.22	0.00	30.00	0.00	30.00	17.57	12.43	2.413
2,500.00	2,500.00	2,500.00	2,500.00	6.33	6.33	0.00	30.00	0.00	30.00	17.35	12.65	2.371
2,521.13	2,521.13	2,521.13	2,521.13	6.36	6.36	0.00	30.00	0.00	30.00	17.29	12.71	2.360
2,600.00	2,600.00	2,600.00	2,600.00	6.47	6.47	0.00	30.00	0.00	30.00	17.07	12.93	2.319
2,621.13	2,621.13	2,621.13	2,621.13	6.50	6.50	0.00	30.00	0.00	30.00	17.01	12.99	2.309
2,700.00	2,700.00	2,700.00	2,700.00	6.61	6.61	0.00	30.00	0.00	30.00	16.79	13.21	2.271
2,721.13	2,721.13	2,721.13	2,721.13	6.63	6.63	0.00	30.00	0.00	30.00	16.73	13.27	2.261

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 501H
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:	501H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 703H - OH - Plan 1 12-14-21													Offset Site Error:	0.00 usft		
Survey Program:		0-MWD+HRGM					Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:		Offset Well Error:	1.00 usft
Measured Depth (usft)	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			
2,800.00	2,800.00	2,800.00	2,800.00	6.74	6.74	0.00	30.00	0.00	30.00	16.52	13.48	2.225				
2,821.13	2,821.13	2,821.13	2,821.13	6.77	6.77	0.00	30.00	0.00	30.00	16.46	13.54	2.216				
2,900.00	2,900.00	2,900.00	2,900.00	6.88	6.88	0.00	30.00	0.00	30.00	16.25	13.75	2.182				
2,921.13	2,921.13	2,921.13	2,921.13	6.90	6.90	0.00	30.00	0.00	30.00	16.19	13.81	2.173				
3,000.00	3,000.00	3,000.00	3,000.00	7.01	7.01	0.00	30.00	0.00	30.00	15.98	14.02	2.140				
3,033.33	3,033.33	3,033.33	3,033.33	7.05	7.05	0.00	30.00	0.00	30.00	15.90	14.10	2.127				
3,100.00	3,100.00	3,100.00	3,100.00	7.14	7.14	0.00	30.00	0.00	30.00	15.72	14.28	2.101				
3,200.00	3,200.00	3,200.00	3,200.00	7.27	7.27	0.00	30.00	0.00	30.00	15.46	14.54	2.064				
3,300.00	3,300.00	3,300.00	3,300.00	7.40	7.40	0.00	30.00	0.00	30.00	15.21	14.79	2.028				
3,400.00	3,400.00	3,400.00	3,400.00	7.52	7.52	0.00	30.00	0.00	30.00	14.95	15.05	1.994				
3,500.00	3,500.00	3,500.00	3,500.00	7.65	7.65	0.00	30.00	0.00	30.00	14.70	15.30	1.961				
3,600.00	3,600.00	3,600.00	3,600.00	7.77	7.77	0.00	30.00	0.00	30.00	14.45	15.55	1.929				
3,700.00	3,700.00	3,700.00	3,700.00	7.90	7.90	0.00	30.00	0.00	30.00	14.20	15.80	1.899				
3,800.00	3,800.00	3,800.00	3,800.00	8.02	8.02	0.00	30.00	0.00	30.00	13.96	16.04	1.870				
3,900.00	3,900.00	3,900.00	3,900.00	8.14	8.14	0.00	30.00	0.00	30.00	13.72	16.28	1.842				
4,000.00	4,000.00	4,000.00	4,000.00	8.26	8.26	0.00	30.00	0.00	30.00	13.47	16.53	1.815 CC, ES, SF				
4,100.00	4,099.98	4,099.98	4,099.98	8.38	8.38	180.00	30.00	0.00	31.75	14.99	16.76	1.895				
4,200.00	4,199.84	4,201.10	4,201.08	8.74	8.50	180.00	28.22	0.00	35.23	18.00	17.23	2.045				
4,300.00	4,299.45	4,302.35	4,302.18	9.11	8.86	180.00	22.86	0.00	38.69	20.74	17.94	2.156				
4,400.00	4,398.70	4,403.72	4,403.15	9.48	9.22	180.00	13.92	0.00	42.10	23.44	18.66	2.257				
4,500.00	4,497.45	4,505.21	4,503.86	9.85	9.59	180.00	1.39	0.00	45.47	26.10	19.37	2.347				
4,600.00	4,595.60	4,606.83	4,604.19	10.24	9.97	180.00	-14.72	0.00	48.80	28.70	20.10	2.428				
4,700.00	4,693.02	4,708.42	4,703.85	10.62	10.34	180.00	-34.35	0.00	52.09	31.25	20.83	2.500				
4,748.40	4,739.87	4,756.77	4,751.15	10.72	10.46	180.00	-44.41	0.00	54.21	33.16	21.05	2.575				
4,800.00	4,789.72	4,808.30	4,801.55	10.80	10.57	180.00	-55.13	0.00	56.91	35.66	21.25	2.678				
4,900.00	4,886.31	4,908.16	4,899.23	10.99	10.74	180.00	-75.90	0.00	62.15	40.52	21.63	2.873				
5,000.00	4,982.90	5,008.02	4,996.91	11.20	10.93	180.00	-96.67	0.00	67.38	45.33	22.05	3.056				
5,100.00	5,079.49	5,107.89	5,094.59	11.43	11.14	180.00	-117.44	0.00	72.62	50.11	22.51	3.227				
5,200.00	5,176.08	5,207.75	5,192.27	11.68	11.36	180.00	-138.21	0.00	77.85	54.86	23.00	3.385				
5,300.00	5,272.67	5,307.61	5,289.95	11.94	11.60	-180.00	-158.98	-0.01	83.09	59.57	23.52	3.533				
5,400.00	5,369.26	5,407.48	5,387.63	12.22	11.85	-180.00	-179.75	-0.01	88.32	64.25	24.07	3.669				
5,500.00	5,465.85	5,507.34	5,485.31	12.51	12.11	-180.00	-200.52	-0.01	93.55	68.90	24.65	3.795				
5,600.00	5,562.44	5,607.20	5,582.99	12.81	12.39	-180.00	-221.28	-0.01	98.79	73.53	25.26	3.911				
5,700.00	5,659.03	5,707.06	5,680.67	13.13	12.68	-180.00	-242.05	-0.01	104.02	78.13	25.89	4.018				
5,800.00	5,755.62	5,806.93	5,778.34	13.46	12.98	-180.00	-262.82	-0.01	109.26	82.71	26.54	4.116				
5,900.00	5,852.21	5,906.79	5,876.02	13.79	13.29	-180.00	-283.59	-0.01	114.49	87.27	27.22	4.206				
6,000.00	5,948.80	6,006.65	5,973.70	14.14	13.61	-180.00	-304.36	-0.01	119.73	91.81	27.91	4.289				
6,100.00	6,045.39	6,106.52	6,071.38	14.50	13.94	-180.00	-325.13	-0.01	124.96	96.34	28.62	4.366				
6,200.00	6,141.98	6,206.38	6,169.06	14.86	14.28	-180.00	-345.90	-0.01	130.20	100.84	29.35	4.436				
6,300.00	6,238.57	6,306.24	6,266.74	15.23	14.62	-180.00	-366.67	-0.01	135.43	105.33	30.09	4.500				
6,400.00	6,335.16	6,406.10	6,364.42	15.61	14.97	-180.00	-387.44	-0.01	140.66	109.81	30.85	4.559				
6,500.00	6,431.75	6,505.97	6,462.10	16.00	15.33	-180.00	-408.21	-0.01	145.90	114.27	31.62	4.614				
6,600.00	6,528.34	6,605.83	6,559.78	16.39	15.70	-180.00	-428.98	-0.01	151.13	118.73	32.41	4.664				
6,700.00	6,624.94	6,705.69	6,657.46	16.79	16.07	-180.00	-449.75	-0.01	156.37	123.16	33.20	4.710				
6,800.00	6,721.53	6,805.56	6,755.14	17.19	16.44	-180.00	-470.52	-0.01	161.60	127.59	34.01	4.752				
6,900.00	6,818.12	6,905.42	6,852.82	17.60	16.83	-180.00	-491.29	-0.02	166.84	132.01	34.82	4.791				
7,000.00	6,914.71	7,005.28	6,950.49	18.01	17.21	-180.00	-512.06	-0.02	172.07	136.42	35.65	4.827				
7,100.00	7,011.30	7,105.14	7,048.17	18.43	17.60	-180.00	-532.83	-0.02	177.30	140.82	36.48	4.860				
7,200.00	7,107.89	7,205.01	7,145.85	18.85	18.00	-180.00	-553.60	-0.02	182.54	145.22	37.32	4.891				
7,300.00	7,204.48	7,304.87	7,243.53	19.28	18.40	-180.00	-574.37	-0.02	187.77	149.60	38.17	4.919				
7,400.00	7,301.07	7,404.73	7,341.21	19.70	18.80	-180.00	-595.14	-0.02	193.01	153.98	39.03	4.945				
7,500.00	7,397.66	7,504.60	7,438.89	20.14	19.20	-180.00	-615.91	-0.02	198.24	158.35	39.89	4.970				

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 501H
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:	501H	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)			
7,600.00	7,494.25	7,604.46	7,536.57	20.57	19.61	-180.00	-636.68	-0.02	203.48	162.72	40.76	4.992	
7,700.00	7,590.84	7,704.32	7,634.25	21.01	20.03	-180.00	-657.45	-0.02	208.71	167.08	41.63	5.013	
7,800.00	7,687.43	7,804.19	7,731.93	21.45	20.44	-180.00	-678.22	-0.02	213.94	171.43	42.51	5.033	
7,900.00	7,784.02	7,904.05	7,829.61	21.89	20.86	-180.00	-698.99	-0.02	219.18	175.78	43.40	5.051	
8,000.00	7,880.61	8,003.91	7,927.29	22.34	21.28	-180.00	-719.76	-0.02	224.41	180.13	44.29	5.067	
8,100.00	7,977.20	8,103.77	8,024.97	22.79	21.70	-180.00	-740.53	-0.02	229.65	184.47	45.18	5.083	
8,200.00	8,073.79	8,203.64	8,122.64	23.24	22.12	-180.00	-761.30	-0.02	234.88	188.80	46.08	5.097	
8,255.91	8,127.79	8,259.47	8,177.25	23.48	22.36	-180.00	-772.91	-0.02	237.81	191.23	46.58	5.106	
8,300.00	8,170.47	8,303.52	8,220.34	23.68	22.55	-180.00	-782.07	-0.02	239.78	192.81	46.97	5.105	
8,400.00	8,267.85	8,403.49	8,318.13	24.17	22.98	-180.00	-802.87	-0.02	241.72	193.81	47.91	5.046	
8,500.00	8,365.97	8,503.47	8,415.93	24.69	23.41	-180.00	-823.66	-0.03	240.17	191.28	48.89	4.913	
8,600.00	8,464.71	8,603.34	8,513.61	25.20	23.84	-180.00	-844.43	-0.03	235.11	185.27	49.84	4.717	
8,700.00	8,563.94	8,702.97	8,611.06	25.68	24.28	-180.00	-865.15	-0.03	226.57	175.80	50.77	4.463	
8,800.00	8,663.54	8,802.24	8,708.16	26.14	24.71	-180.00	-885.80	-0.03	214.55	162.89	51.66	4.153	
8,900.00	8,763.38	8,901.03	8,804.79	26.55	25.14	-180.00	-906.35	-0.03	199.06	146.55	52.51	3.791	
9,000.00	8,863.36	8,999.21	8,900.82	26.70	25.57	-180.00	-926.77	-0.03	180.13	127.02	53.10	3.392	
9,004.30	8,867.67	9,003.43	8,904.94	26.71	25.59	0.00	-927.64	-0.03	179.23	126.11	53.13	3.374	
9,100.00	8,963.36	9,097.03	8,996.50	26.77	26.01	0.00	-947.11	-0.03	159.33	105.73	53.61	2.972	
9,104.30	8,967.67	9,101.24	9,000.62	26.77	26.02	0.00	-947.99	-0.03	158.44	104.81	53.63	2.954	
9,125.00	8,988.35	9,121.48	9,020.41	26.77	26.11	91.00	-952.19	-0.03	154.14	100.42	53.72	2.869	
9,150.00	9,013.29	9,145.87	9,044.27	26.77	26.22	92.32	-957.27	-0.03	148.97	95.14	53.83	2.767	
9,175.00	9,038.10	9,170.14	9,068.01	26.77	26.33	94.19	-962.32	-0.03	143.91	89.97	53.93	2.668	
9,200.00	9,062.72	9,194.23	9,091.57	26.78	26.44	96.65	-967.33	-0.03	139.04	85.04	54.01	2.574	
9,225.00	9,087.08	9,218.06	9,114.88	26.78	26.54	99.69	-972.28	-0.03	134.54	80.51	54.03	2.490	
9,250.00	9,111.11	9,241.57	9,137.88	26.78	26.65	103.29	-977.17	-0.03	130.59	76.65	53.95	2.421	
9,275.00	9,134.75	9,264.70	9,160.50	26.79	26.75	107.39	-981.98	-0.03	127.47	73.76	53.71	2.373	
9,300.00	9,157.93	9,287.38	9,182.69	26.79	26.85	111.89	-986.70	-0.03	125.46	72.22	53.24	2.356	
9,321.69	9,177.62	9,306.58	9,201.47	26.80	26.94	115.98	-990.69	-0.03	124.88	72.25	52.63	2.373	
9,325.00	9,180.59	9,309.37	9,204.20	26.80	26.95	116.59	-991.27	-0.03	124.90	72.39	52.51	2.379	
9,350.00	9,202.66	9,330.19	9,224.58	26.81	27.04	121.21	-995.49	-0.03	126.18	74.69	51.49	2.450	
9,375.00	9,224.09	9,350.45	9,244.45	26.82	27.14	125.72	-999.46	-0.03	129.57	79.33	50.23	2.579	
9,400.00	9,244.82	9,370.11	9,263.75	26.83	27.23	129.97	-1,003.17	-0.03	135.17	86.34	48.83	2.768	
9,425.00	9,264.79	9,389.09	9,282.42	26.85	27.32	133.86	-1,006.64	-0.03	143.00	95.62	47.39	3.018	
9,450.00	9,283.94	9,407.34	9,300.39	26.87	27.40	137.33	-1,009.85	-0.03	152.98	106.97	46.02	3.325	
9,475.00	9,302.23	9,424.81	9,317.60	26.90	27.49	140.34	-1,012.81	-0.03	164.96	120.17	44.79	3.683	
9,500.00	9,319.60	9,441.43	9,334.00	26.93	27.58	142.89	-1,015.54	-0.03	178.75	135.02	43.74	4.087	
9,525.00	9,336.00	9,457.16	9,349.53	26.96	27.66	144.99	-1,018.03	-0.03	194.18	151.32	42.87	4.530	
9,550.00	9,351.40	9,471.95	9,364.14	27.01	27.73	146.64	-1,020.30	-0.03	211.06	168.90	42.16	5.006	
9,575.00	9,365.74	9,485.75	9,377.79	27.06	27.80	147.87	-1,022.34	-0.03	229.23	187.63	41.60	5.511	
9,600.00	9,378.99	9,498.51	9,390.42	27.12	27.86	148.66	-1,024.17	-0.03	248.53	207.37	41.15	6.039	
9,625.00	9,391.12	9,510.21	9,402.00	27.20	27.92	149.02	-1,025.80	-0.03	268.82	228.03	40.80	6.589	
9,650.00	9,402.08	9,520.80	9,412.49	27.28	27.97	148.91	-1,027.24	-0.03	289.99	249.48	40.51	7.158	
9,675.00	9,411.86	9,530.25	9,421.86	27.37	28.02	148.25	-1,028.49	-0.03	311.92	271.64	40.29	7.743	
9,700.00	9,420.41	9,538.53	9,430.07	27.48	28.06	146.94	-1,029.55	-0.03	334.52	294.41	40.10	8.341	
9,725.00	9,427.73	9,545.61	9,437.10	27.60	28.09	144.78	-1,030.45	-0.03	357.67	317.71	39.96	8.952	
9,750.00	9,433.78	9,551.48	9,442.93	27.73	28.12	141.45	-1,031.18	-0.03	381.30	341.46	39.83	9.572	
9,775.00	9,438.56	9,556.12	9,447.53	27.88	28.14	136.41	-1,031.74	-0.03	405.31	365.58	39.73	10.202	
9,800.00	9,442.05	9,559.51	9,450.89	28.04	28.16	128.77	-1,032.15	-0.03	429.62	389.98	39.64	10.838	
9,825.00	9,444.23	9,561.64	9,453.01	28.21	28.17	117.21	-1,032.41	-0.03	454.15	414.59	39.56	11.479	
9,850.00	9,445.11	9,562.51	9,453.87	28.39	28.17	100.48	-1,032.51	-0.03	478.82	439.33	39.49	12.125	
9,859.14	9,445.11	9,562.51	9,453.87	28.46	28.17	93.15	-1,032.51	-0.03	487.86	448.40	39.47	12.361	
9,900.00	9,444.69	9,562.13	9,453.50	28.79	28.17	92.85	-1,032.47	-0.03	528.33	488.96	39.37	13.420	

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 501H
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:	501H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

Offset Design: Phantom Bank 31 Fed Com - 703H - OH - Plan 1 12-14-21													Offset Site Error:	0.00 usft	
Survey Program:		0-MWD+HRGM		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
10,000.00	9,443.68	9,561.21	9,452.58	29.72	28.17	92.10	-1,032.36	-0.03	627.57	588.38	39.20	16.011			
10,100.00	9,442.67	9,560.29	9,451.67	30.81	28.16	91.36	-1,032.25	-0.03	727.03	687.94	39.09	18.600			
10,200.00	9,441.66	9,559.38	9,450.76	32.03	28.16	90.62	-1,032.14	-0.03	826.61	787.59	39.01	21.187			
10,300.00	9,440.64	9,558.46	9,449.85	33.36	28.15	89.88	-1,032.03	-0.03	926.28	887.32	38.96	23.773			
10,400.00	9,439.63	11,327.26	10,381.28	34.79	36.99	176.96	-1,058.32	-1,034.76	943.05	895.69	47.36	19.914			
10,500.00	9,438.62	11,427.26	10,380.08	36.31	38.43	176.96	-1,058.84	-1,134.75	942.86	894.53	48.32	19.511			
10,600.00	9,437.61	11,527.26	10,378.88	37.90	39.95	176.96	-1,059.36	-1,234.74	942.66	893.34	49.32	19.112			
10,700.00	9,436.59	11,627.26	10,377.67	39.56	41.54	176.96	-1,059.88	-1,334.73	942.47	892.12	50.35	18.718			
10,800.00	9,435.58	11,727.26	10,376.47	41.28	43.19	176.96	-1,060.40	-1,434.72	942.28	890.87	51.41	18.329			
10,900.00	9,434.57	11,827.26	10,375.26	43.04	44.89	176.96	-1,060.92	-1,534.71	942.09	889.60	52.49	17.947			
11,000.00	9,433.56	11,927.26	10,374.06	44.86	46.65	176.96	-1,061.44	-1,634.70	941.90	888.30	53.60	17.572			
11,100.00	9,432.55	12,027.26	10,372.85	46.71	48.45	176.96	-1,061.96	-1,734.70	941.71	886.97	54.73	17.205			
11,200.00	9,431.53	12,127.26	10,371.65	48.60	50.28	176.96	-1,062.47	-1,834.69	941.51	885.63	55.89	16.847			
11,300.00	9,430.52	12,227.26	10,370.45	50.52	52.15	176.96	-1,062.99	-1,934.68	941.32	884.26	57.06	16.496			
11,400.00	9,429.51	12,327.26	10,369.24	52.47	54.06	176.95	-1,063.51	-2,034.67	941.13	882.87	58.26	16.155			
11,500.00	9,428.50	12,427.26	10,368.04	54.44	55.99	176.95	-1,064.03	-2,134.66	940.94	881.47	59.47	15.822			
11,600.00	9,427.48	12,527.26	10,366.83	56.44	57.94	176.95	-1,064.55	-2,234.65	940.75	880.05	60.70	15.499			
11,700.00	9,426.47	12,627.26	10,365.63	58.46	59.92	176.95	-1,065.07	-2,334.64	940.56	878.61	61.94	15.184			
11,800.00	9,425.46	12,727.26	10,364.43	60.50	61.92	176.95	-1,065.59	-2,434.63	940.36	877.16	63.20	14.878			
11,900.00	9,424.45	12,827.26	10,363.22	62.55	63.94	176.95	-1,066.11	-2,534.63	940.17	875.69	64.48	14.581			
12,000.00	9,423.43	12,927.26	10,362.02	64.62	65.97	176.95	-1,066.63	-2,634.62	939.98	874.21	65.77	14.292			
12,100.00	9,422.42	13,027.26	10,360.81	66.70	68.02	176.95	-1,067.14	-2,734.61	939.79	872.72	67.07	14.012			
12,200.00	9,421.41	13,127.26	10,359.61	68.80	70.09	176.95	-1,067.66	-2,834.60	939.60	871.22	68.38	13.740			
12,300.00	9,420.40	13,227.26	10,358.40	70.91	72.17	176.95	-1,068.18	-2,934.59	939.41	869.70	69.71	13.476			
12,400.00	9,419.39	13,327.26	10,357.20	73.02	74.26	176.95	-1,068.70	-3,034.58	939.21	868.17	71.04	13.221			
12,500.00	9,418.37	13,427.26	10,356.00	75.15	76.36	176.95	-1,069.22	-3,134.57	939.02	866.64	72.39	12.972			
12,600.00	9,417.36	13,527.26	10,354.79	77.29	78.47	176.95	-1,069.74	-3,234.56	938.83	865.09	73.74	12.731			
12,700.00	9,416.35	13,627.26	10,353.59	79.43	80.59	176.95	-1,070.26	-3,334.56	938.64	863.53	75.11	12.498			
12,800.00	9,415.34	13,727.26	10,352.38	81.58	82.72	176.95	-1,070.78	-3,434.55	938.45	861.97	76.48	12.271			
12,900.00	9,414.32	13,827.26	10,351.18	83.74	84.86	176.95	-1,071.29	-3,534.54	938.26	860.40	77.86	12.051			
13,000.00	9,413.31	13,927.26	10,349.98	85.91	87.00	176.94	-1,071.81	-3,634.53	938.07	858.82	79.25	11.837			
13,100.00	9,412.30	14,027.26	10,348.77	88.08	89.16	176.94	-1,072.33	-3,734.52	937.87	857.23	80.64	11.630			
13,200.00	9,411.29	14,127.26	10,347.57	90.26	91.32	176.94	-1,072.85	-3,834.51	937.68	855.64	82.04	11.429			
13,300.00	9,410.28	14,227.26	10,346.36	92.44	93.48	176.94	-1,073.37	-3,934.50	937.49	854.04	83.45	11.234			
13,400.00	9,409.26	14,327.26	10,345.16	94.63	95.65	176.94	-1,073.89	-4,034.49	937.30	852.43	84.87	11.044			
13,500.00	9,408.25	14,427.26	10,343.95	96.82	97.83	176.94	-1,074.41	-4,134.49	937.11	850.82	86.29	10.860			
13,600.00	9,407.24	14,527.26	10,342.75	99.02	100.01	176.94	-1,074.93	-4,234.48	936.92	849.20	87.72	10.681			
13,700.00	9,406.23	14,627.26	10,341.55	101.22	102.19	176.94	-1,075.44	-4,334.47	936.72	847.58	89.15	10.508			
13,800.00	9,405.21	14,727.26	10,340.34	103.42	104.38	176.94	-1,075.96	-4,434.46	936.53	845.95	90.58	10.339			
13,900.00	9,404.20	14,827.26	10,339.14	105.63	106.58	176.94	-1,076.48	-4,534.45	936.34	844.31	92.03	10.175			
14,000.00	9,403.19	14,927.26	10,337.93	107.84	108.77	176.94	-1,077.00	-4,634.44	936.15	842.68	93.47	10.015			
14,100.00	9,402.18	15,027.26	10,336.73	110.06	110.97	176.94	-1,077.52	-4,734.43	935.96	841.03	94.92	9.860			
14,200.00	9,401.16	15,127.26	10,335.53	112.27	113.18	176.94	-1,078.04	-4,834.42	935.77	839.39	96.38	9.709			
14,300.00	9,400.15	15,227.26	10,334.32	114.49	115.39	176.94	-1,078.56	-4,934.42	935.57	837.74	97.84	9.562			
14,400.00	9,399.14	15,327.26	10,333.12	116.72	117.60	176.94	-1,079.08	-5,034.41	935.38	836.08	99.30	9.420			
14,500.00	9,398.13	15,427.26	10,331.91	118.94	119.81	176.94	-1,079.59	-5,134.40	935.19	834.42	100.77	9.281			
14,600.00	9,397.12	15,527.26	10,330.71	121.17	122.03	176.93	-1,080.11	-5,234.39	935.00	832.76	102.24	9.145			
14,700.00	9,396.10	15,627.26	10,329.50	123.40	124.25	176.93	-1,080.63	-5,334.38	934.81	831.10	103.71	9.013			
14,800.00	9,395.09	15,727.25	10,328.30	125.63	126.47	176.93	-1,081.15	-5,434.37	934.62	829.43	105.19	8.885			
14,900.00	9,394.08	15,827.25	10,327.10	127.86	128.48	176.93	-1,081.67	-5,534.36	934.42	827.86	106.57	8.769			
14,965.42	9,393.42	15,890.90	10,326.33	129.32	129.40	176.93	-1,082.00	-5,598.00	934.30	827.00	107.30	8.708			
14,975.14	9,393.32	15,890.90	10,326.33	129.54	129.40	176.93	-1,082.00	-5,598.00	934.35	826.98	107.37	8.702			

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 501H
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:	501H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

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

Offset Depths are relative to Offset Datum

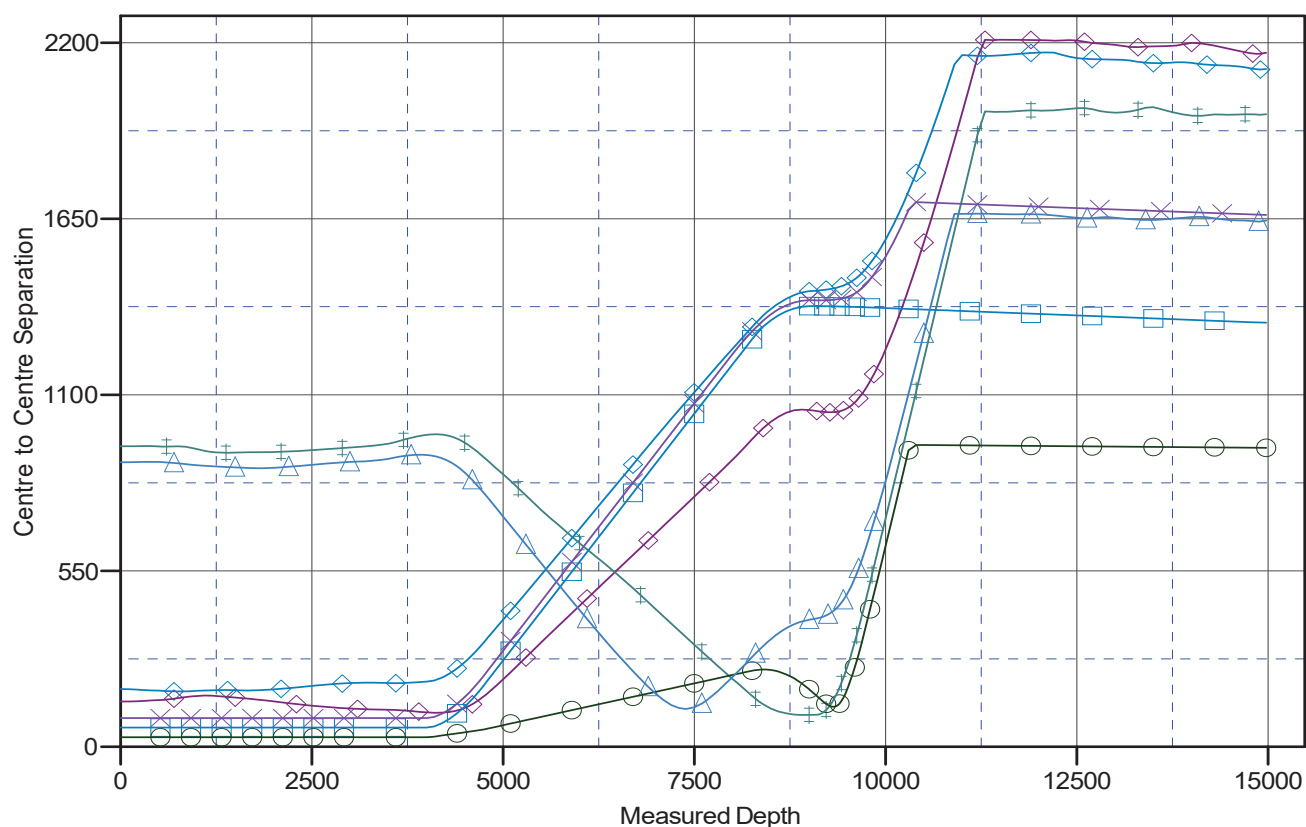
Central Meridian is 104° 19' 60.000000 W

Coordinates are relative to: 501H

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

Grid Convergence at Surface is: 0.28°

Ladder Plot



LEGEND

- 502H, OH / 6/8/10, Surveys (H&P 653) V0
- 508H, OH / 6/8/13, Surveys (H&P 653) V0
- 702H, OH, Plan 1 12-14-21 V0
- 703H, OH, Plan 1 12-14-21 V0
- 506H, OH / 6/8/12, Surveys (H&P 653) V0
- 701H, OH, Plan 1 12-14-21 V0
- 504H, OH / 6/8/11, Surveys (H&P 653) V0

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



Anticollision Report



Company:	Flat Creek Resources, LLC	Local Co-ordinate Reference:	Well 501H
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:	501H	Survey Calculation Method:	Minimum Curvature
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Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 12-14-21	Offset TVD Reference:	Reference Datum

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

Offset Depths are relative to Offset Datum

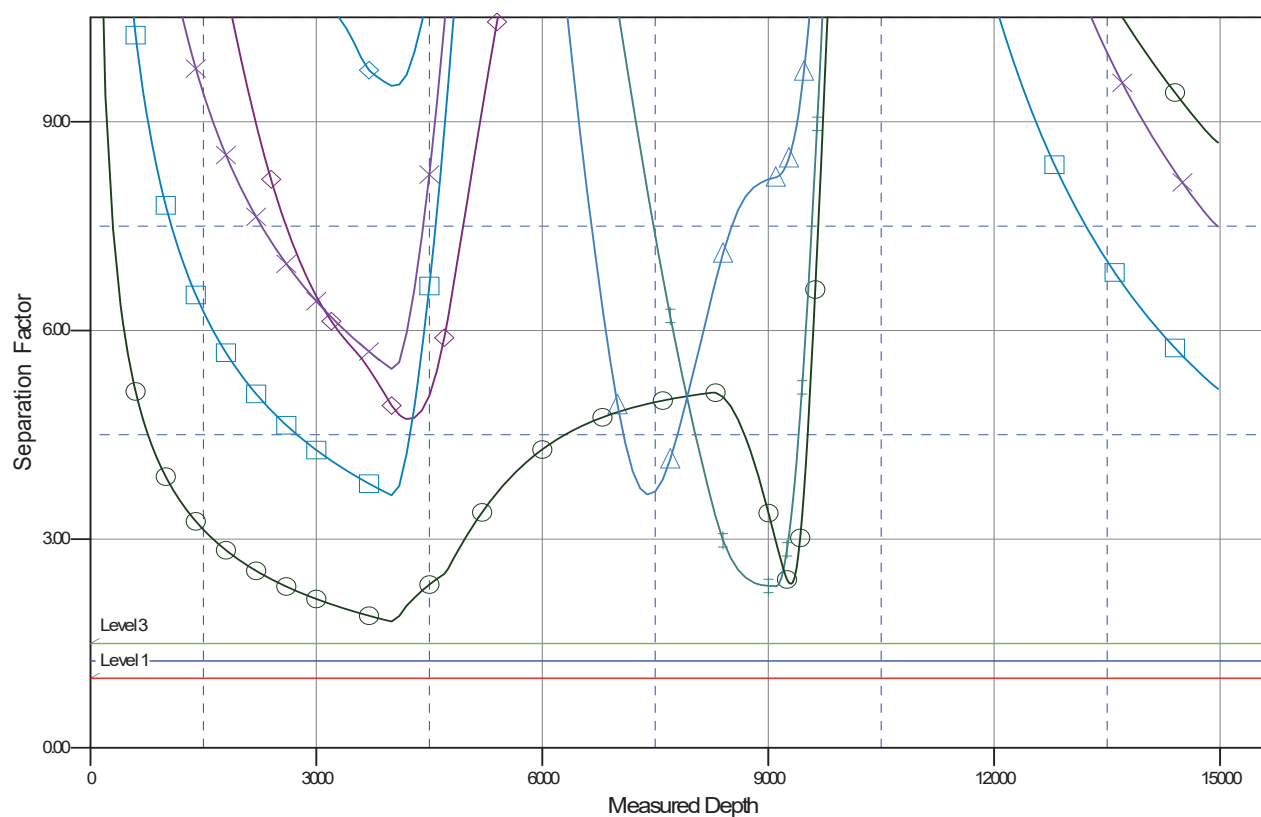
Central Meridian is 104° 19' 60.000000 W

Coordinates are relative to: 501H

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	506H, OH / 6/812, Surveys (H&P 653) V0	
702H, OH, Plan 1 12-14-21 V0	701H, OH, Plan 1 12-14-21 V0	

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

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 73538

CONDITIONS

Operator: Flat Creek Resources, LLC 777 Main St. Fort Worth, TX 76102	OGRID: 374034
	Action Number: 73538
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

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