

Submit a Copy To Appropriate District Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-53283
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator SILVERBACK OPERATING II, LLC		6. State Oil & Gas Lease No.
3. Address of Operator 19707 West IH 10, Suite 201 San Antonio, TX 78257		7. Lease Name or Unit Agreement Name Krauss 22 C
4. Well Location Unit Letter <u>I</u> : 2246' feet from the <u>South</u> line and <u>158'</u> feet from the <u>East</u> line Section <u>22</u> Township <u>18S</u> Range <u>26E</u> NMPM County <u>Eddy</u>		8. Well Number 103H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3316'		9. OGRID Number 330968
		10. Pool name or Wildcat ATOKA, GLORIETA-YESO

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
DOWNHOLE COMMINGLE ☐	P AND A ☐
CLOSED-LOOP SYSTEM ☐	CASING/CEMENT JOB ☐
OTHER: ☐	OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Silverback Operating II LLC. would like to change the surface hole location of the subject well.
 Please find the updated C-102 plat and revised directional plan attached.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Fatma Abdallah TITLE Regulatory Manager DATE 11/27/2023

Type or print name Fatma Abdallah E-mail address: fabdallah@silverbackexp.com PHONE: (210) 585-3316

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

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

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

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

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-53283	² Pool Code 3250	³ Pool Name ATOKA, GLORIETA-YESO
⁴ Property Code 333708	⁵ Property Name KRAUSS 22 C	
⁷ OGRID No. 330968	⁸ Operator Name SILVERBACK OPERATING II, LLC	
		⁶ Well Number 103H
		⁹ Elevation 3,316'

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
I	22	18-S	26-E		2,246'	SOUTH	158'	EAST	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
L	22	18-S	26-E		2,298'	SOUTH	100'	WEST	EDDY

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

SECTION 15

Found RR Spike

LINE TABLE

LINE #	BEARING	LENGTH
L1	S89°21'29"E	2,653'
L2	N89°53'54"E	2,649'
L3	S00°12'31"W	2,653'
L4	S00°12'31"W	2,653'
L5	N89°49'23"W	2,647'
L6	N89°49'31"W	2,647'
L7	N00°34'17"E	2,648'
L8	N00°20'04"W	2,666'

GPS DATUM NAD83 NM EAST ZONE

Scale: 0' 500' 1000'

Section 15 Details:

- Section 15:** T189-R26E, N88°55'18"W, 5,079'
- Section 16:** SW/4, SE/4
- Section 27:** Found 1/2" Rebar
- Section 23:** Found 1/2" Rebar
- Section 21:** Found 1/2" Rebar
- Section 14:** Found 1/2" Rebar
- Section 15:** Found 1/2" Rebar
- Section 16:** Found 1/2" Rebar
- Section 17:** Found 1/2" Rebar
- Section 18:** Found 1/2" Rebar
- Section 19:** Found 1/2" Rebar
- Section 20:** Found 1/2" Rebar
- Section 21:** Found 1/2" Rebar
- Section 22:** Found 1/2" Rebar
- Section 23:** Found 1/2" Rebar
- Section 24:** Found 1/2" Rebar
- Section 25:** Found 1/2" Rebar
- Section 26:** Found 1/2" Rebar
- Section 27:** Found 1/2" Rebar
- Section 28:** Found 1/2" Rebar
- Section 29:** Found 1/2" Rebar
- Section 30:** Found 1/2" Rebar
- Section 31:** Found 1/2" Rebar
- Section 32:** Found 1/2" Rebar
- Section 33:** Found 1/2" Rebar
- Section 34:** Found 1/2" Rebar
- Section 35:** Found 1/2" Rebar
- Section 36:** Found 1/2" Rebar
- Section 37:** Found 1/2" Rebar
- Section 38:** Found 1/2" Rebar
- Section 39:** Found 1/2" Rebar
- Section 40:** Found 1/2" Rebar
- Section 41:** Found 1/2" Rebar
- Section 42:** Found 1/2" Rebar
- Section 43:** Found 1/2" Rebar
- Section 44:** Found 1/2" Rebar
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- Section 52:** Found 1/2" Rebar
- Section 53:** Found 1/2" Rebar
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- Section 67:** Found 1/2" Rebar
- Section 68:** Found 1/2" Rebar
- Section 69:** Found 1/2" Rebar
- Section 70:** Found 1/2" Rebar
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- Section 81:** Found 1/2" Rebar
- Section 82:** Found 1/2" Rebar
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- Section 89:** Found 1/2" Rebar
- Section 90:** Found 1/2" Rebar
- Section 91:** Found 1/2" Rebar
- Section 92:** Found 1/2" Rebar
- Section 93:** Found 1/2" Rebar
- Section 94:** Found 1/2" Rebar
- Section 95:** Found 1/2" Rebar
- Section 96:** Found 1/2" Rebar
- Section 97:** Found 1/2" Rebar
- Section 98:** Found 1/2" Rebar
- Section 99:** Found 1/2" Rebar
- Section 100:** Found 1/2" Rebar

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Fatma Abdallah 11/27/2023
Signature Date

Fatma Abdallah

Printed Name

fabdallah@silverbackexp.com

18 SURVEYOR CERTIFICATION

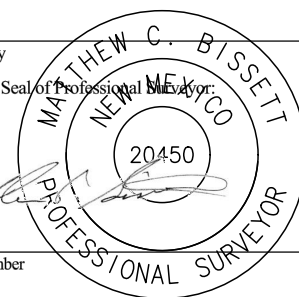
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

11/27/23

Date of Survey _____

Signature and Seal of Professional Surveyor: 

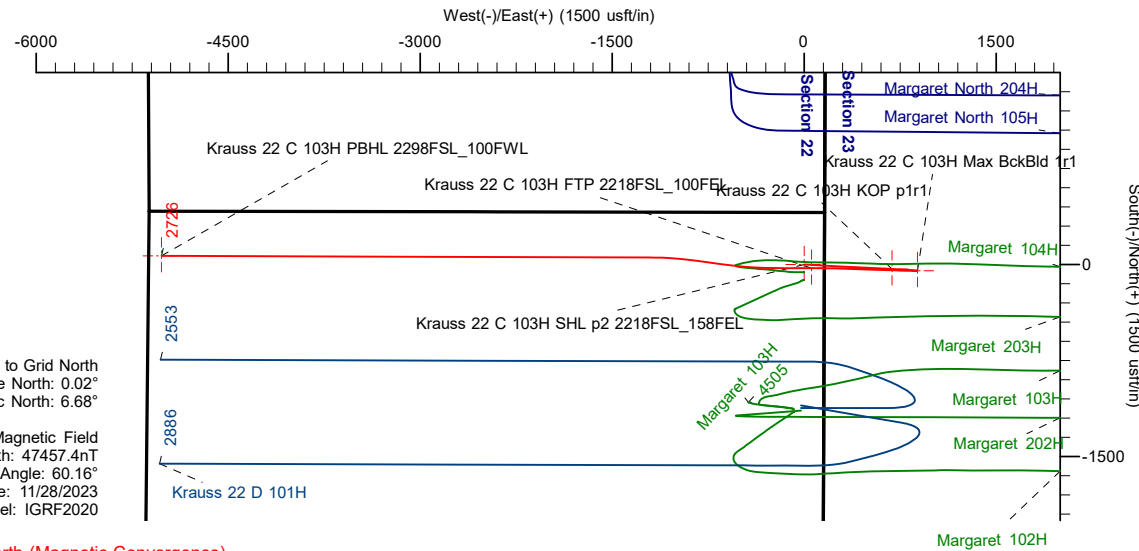
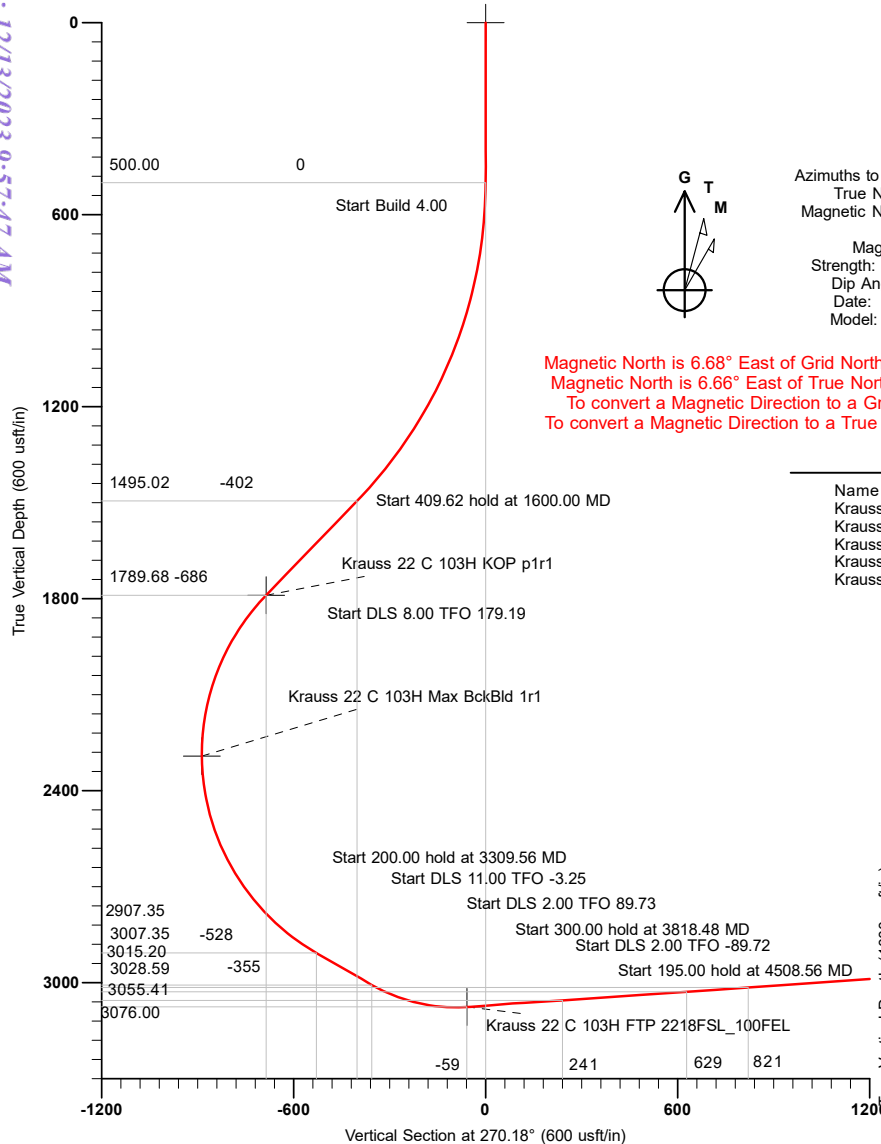
20450
Certificate Number



SILVERBACK EXPLORATION

3316+20 @ 3336.00usft (gl+kb)

Project: EDDY COUNTY, NM (NAD83) NMEZ GRID
 Site: Krauss 22
 Well: Krauss 22 C 103H
 Wellbore: C 103H
 Design: Plan 1r1

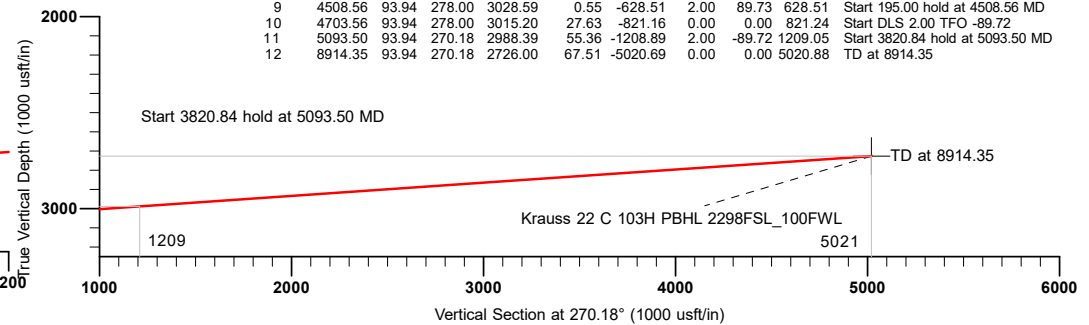


DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Krauss 22 C 103H SHL p2 2218FSL_158FEL	0.00	0.00	0.00	630124.27	532605.48	Point
Krauss 22 C 103H KOP p1r1	1789.68	-34.85	685.68	630089.42	533291.16	Point
Krauss 22 C 103H Max BckBld 1r1	2292.56	-47.96	886.27	630076.31	533491.75	Point
Krauss 22 C 103H PBHL 2298FSL_100FWL	2726.00	67.51	-5020.69	630191.78	527584.79	Point
Krauss 22 C 103H FTP 2218FSL_100FEL	3076.00	-28.08	57.90	630096.19	532663.38	Point

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VFace	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	Start Build 4.00
3	1600.00	44.00	92.91	1495.02	-20.41	401.50	4.00	92.91	-401.56	Start 409.62 hold at 1600.00 MD
4	2009.62	44.00	92.91	1789.68	-34.85	685.68	0.00	0.00	-685.78	Start DLS 8.00 TFO 179.19
5	3309.56	60.00	272.00	2907.35	-39.48	528.26	8.00	179.19	-528.38	Start 200.00 hold at 3309.56 MD
6	3509.56	60.00	272.00	3007.35	-33.43	355.16	0.00	0.00	-355.27	Start DLS 11.00 TFO -3.25
7	3818.48	93.94	270.18	3076.00	-28.12	58.64	11.00	-3.25	-58.73	Start 300.00 hold at 3818.48 MD
8	4118.48	93.94	270.18	3055.41	-27.18	-240.65	0.00	0.00	240.56	Start DLS 2.00 TFO 89.73
9	4508.56	93.94	278.00	3028.59	0.55	-628.51	2.00	89.73	628.51	Start 195.00 hold at 4508.56 MD
10	4703.56	93.94	278.00	3015.20	27.63	-821.16	0.00	0.00	821.24	Start DLS 2.00 TFO -89.72
11	5093.50	93.94	270.18	2988.39	55.36	-1208.89	2.00	-89.72	1209.05	Start 3820.84 hold at 5093.50 MD
12	8914.35	93.94	270.18	2726.00	67.51	-5020.69	0.00	0.00	5020.88	TD at 8914.35



SILVERBACK EXPLORATION

EDDY COUNTY, NM (NAD83) NMEZ GRID

Krauss 22

Krauss 22 C 103H

C 103H

Plan: Plan 1r1

Standard Planning Report

29 November, 2023

Planning Report

Database:	PRIME_EDM	Local Co-ordinate Reference:	Well Krauss 22 C 103H
Company:	SILVERBACK EXPLORATION	TVD Reference:	3316+20 @ 3336.00usft (gl+kb)
Project:	EDDY COUNTY, NM (NAD83) NMEZ GRID	MD Reference:	3316+20 @ 3336.00usft (gl+kb)
Site:	Krauss 22	North Reference:	Grid
Well:	Krauss 22 C 103H	Survey Calculation Method:	Minimum Curvature
Wellbore:	C 103H		
Design:	Plan 1r1		

Project	EDDY COUNTY, NM (NAD83) NMEZ GRID		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Krauss 22				
Site Position:		Northing:	629,023.35 usft	Latitude:	32.7292210
From:	Map	Easting:	532,581.40 usft	Longitude:	-104.3618075
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-0.02

Well	Krauss 22 C 103H					
Well Position	+N/-S	1,100.92 usft	Northing:	630,124.27 usft	Latitude:	32.7322471
	+E/-W	24.08 usft	Easting:	532,605.48 usft	Longitude:	-104.3617302
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	3,316.00 usft

Wellbore	C 103H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	11/28/23	6.66	60.16	47,457.41388242

Design	Plan 1r1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	270.18

Plan Survey Tool Program	Date	11/29/23		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	8,914.35 Plan 1r1 (C 103H)	MWD	
			OWSG MWD - Standard	

Planning Report

Database:	PRIME_EDM	Local Co-ordinate Reference:	Well Krauss 22 C 103H
Company:	SILVERBACK EXPLORATION	TVD Reference:	3316+20 @ 3336.00usft (gl+kb)
Project:	EDDY COUNTY, NM (NAD83) NMEZ GRID	MD Reference:	3316+20 @ 3336.00usft (gl+kb)
Site:	Krauss 22	North Reference:	Grid
Well:	Krauss 22 C 103H	Survey Calculation Method:	Minimum Curvature
Wellbore:	C 103H		
Design:	Plan 1r1		

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	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,600.00	44.00	92.91	1,495.02	-20.41	401.50	4.00	4.00	0.00	92.91	
2,009.62	44.00	92.91	1,789.68	-34.85	685.68	0.00	0.00	0.00	0.00	
3,309.56	60.00	272.00	2,907.35	-39.48	528.26	8.00	1.23	13.78	179.19	
3,509.56	60.00	272.00	3,007.35	-33.43	355.16	0.00	0.00	0.00	0.00	
3,818.48	93.94	270.18	3,076.00	-28.12	58.64	11.00	10.99	-0.59	-3.25	
4,118.48	93.94	270.18	3,055.41	-27.18	-240.65	0.00	0.00	0.00	0.00	
4,508.56	93.94	278.00	3,028.59	0.55	-628.51	2.00	0.00	2.00	89.73	
4,703.56	93.94	278.00	3,015.20	27.63	-821.16	0.00	0.00	0.00	0.00	
5,093.50	93.94	270.18	2,988.39	55.36	-1,208.89	2.00	0.00	-2.00	-89.72	
8,914.35	93.94	270.18	2,726.00	67.51	-5,020.69	0.00	0.00	0.00	0.00	Krauss 22 C 103H PE

Planning Report

Database:	PRIME_EDM	Local Co-ordinate Reference:	Well Krauss 22 C 103H
Company:	SILVERBACK EXPLORATION	TVD Reference:	3316+20 @ 3336.00usft (gl+kb)
Project:	EDDY COUNTY, NM (NAD83) NMEZ GRID	MD Reference:	3316+20 @ 3336.00usft (gl+kb)
Site:	Krauss 22	North Reference:	Grid
Well:	Krauss 22 C 103H	Survey Calculation Method:	Minimum Curvature
Wellbore:	C 103H		
Design:	Plan 1r1		

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
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 4.00									
600.00	4.00	92.91	599.92	-0.18	3.48	-3.49	4.00	4.00	0.00
700.00	8.00	92.91	699.35	-0.71	13.92	-13.92	4.00	4.00	0.00
800.00	12.00	92.91	797.81	-1.59	31.26	-31.27	4.00	4.00	0.00
900.00	16.00	92.91	894.82	-2.82	55.42	-55.43	4.00	4.00	0.00
1,000.00	20.00	92.91	989.91	-4.39	86.27	-86.29	4.00	4.00	0.00
1,100.00	24.00	92.91	1,082.61	-6.29	123.68	-123.70	4.00	4.00	0.00
1,200.00	28.00	92.91	1,172.47	-8.51	167.45	-167.47	4.00	4.00	0.00
1,300.00	32.00	92.91	1,259.05	-11.05	217.37	-217.41	4.00	4.00	0.00
1,400.00	36.00	92.91	1,341.94	-13.89	273.21	-273.25	4.00	4.00	0.00
1,500.00	40.00	92.91	1,420.73	-17.01	334.68	-334.74	4.00	4.00	0.00
1,600.00	44.00	92.91	1,495.02	-20.41	401.50	-401.56	4.00	4.00	0.00
Start 409.62 hold at 1600.00 MD									
1,700.00	44.00	92.91	1,566.96	-23.94	470.87	-470.95	0.00	0.00	0.00
1,800.00	44.00	92.91	1,638.89	-27.46	540.25	-540.33	0.00	0.00	0.00
1,900.00	44.00	92.91	1,710.83	-30.99	609.63	-609.72	0.00	0.00	0.00
2,000.00	44.00	92.91	1,782.76	-34.52	679.00	-679.11	0.00	0.00	0.00
2,009.62	44.00	92.91	1,789.68	-34.85	685.68	-685.78	0.00	0.00	0.00
Start DLS 8.00 TFO 179.19									
2,100.00	36.77	93.08	1,858.48	-37.91	744.12	-744.23	8.00	-8.00	0.19
2,200.00	28.77	93.35	1,942.49	-40.93	798.12	-798.24	8.00	-8.00	0.27
2,300.00	20.77	93.81	2,033.22	-43.52	839.91	-840.04	8.00	-8.00	0.46
2,400.00	12.78	94.81	2,128.88	-45.63	868.67	-868.81	8.00	-8.00	1.00
2,500.00	4.80	99.06	2,227.63	-47.22	883.84	-883.99	8.00	-7.98	4.25
2,600.00	3.28	262.44	2,327.54	-48.26	885.14	-885.29	8.00	-1.52	163.38
2,700.00	11.25	269.49	2,426.65	-48.72	872.53	-872.68	8.00	7.97	7.05
2,800.00	19.24	270.71	2,523.06	-48.60	846.26	-846.41	8.00	7.99	1.22
2,900.00	27.24	271.23	2,614.87	-47.91	806.84	-806.99	8.00	8.00	0.52
3,000.00	35.24	271.53	2,700.30	-46.65	755.04	-755.18	8.00	8.00	0.30
3,100.00	43.24	271.73	2,777.69	-44.84	691.86	-692.00	8.00	8.00	0.20
3,200.00	51.24	271.87	2,845.54	-42.53	618.54	-618.67	8.00	8.00	0.15
3,300.00	59.23	271.99	2,902.51	-39.76	536.51	-536.63	8.00	8.00	0.12
3,309.56	60.00	272.00	2,907.35	-39.48	528.26	-528.38	8.00	8.00	0.11
Start 200.00 hold at 3309.56 MD									
3,400.00	60.00	272.00	2,952.57	-36.74	449.99	-450.10	0.00	0.00	0.00
3,500.00	60.00	272.00	3,002.57	-33.72	363.44	-363.54	0.00	0.00	0.00
3,509.56	60.00	272.00	3,007.35	-33.43	355.16	-355.27	0.00	0.00	0.00
Start DLS 11.00 TFO -3.25									
3,600.00	69.93	271.40	3,045.57	-31.02	273.36	-273.46	11.00	10.98	-0.66
3,700.00	80.92	270.82	3,070.69	-29.15	176.74	-176.83	11.00	10.99	-0.58
3,800.00	91.91	270.28	3,076.94	-28.20	77.10	-77.19	11.00	10.99	-0.54
3,818.48	93.94	270.18	3,076.00	-28.12	58.64	-58.73	11.00	10.99	-0.54
Start 300.00 hold at 3818.48 MD									
3,900.00	93.94	270.18	3,070.40	-27.87	-22.68	22.60	0.00	0.00	0.00
4,000.00	93.94	270.18	3,063.54	-27.55	-122.45	122.36	0.00	0.00	0.00
4,100.00	93.94	270.18	3,056.67	-27.24	-222.21	222.12	0.00	0.00	0.00
4,118.48	93.94	270.18	3,055.41	-27.18	-240.65	240.56	0.00	0.00	0.00

Planning Report

Database:	PRIME_EDM	Local Co-ordinate Reference:	Well Krauss 22 C 103H
Company:	SILVERBACK EXPLORATION	TVD Reference:	3316+20 @ 3336.00usft (gl+kb)
Project:	EDDY COUNTY, NM (NAD83) NMEZ GRID	MD Reference:	3316+20 @ 3336.00usft (gl+kb)
Site:	Krauss 22	North Reference:	Grid
Well:	Krauss 22 C 103H	Survey Calculation Method:	Minimum Curvature
Wellbore:	C 103H		
Design:	Plan 1r1		

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)
Start DLS 2.00 TFO 89.73									
4,200.00	93.94	271.81	3,049.81	-25.77	-321.96	321.88	2.00	0.01	2.00
4,300.00	93.95	273.82	3,042.93	-20.87	-421.60	421.53	2.00	0.00	2.00
4,400.00	93.94	275.82	3,036.05	-12.48	-521.00	520.96	2.00	0.00	2.00
4,500.00	93.94	277.83	3,029.18	-0.62	-620.05	620.05	2.00	-0.01	2.00
4,508.56	93.94	278.00	3,028.59	0.55	-628.51	628.51	2.00	-0.01	2.00
Start 195.00 hold at 4508.56 MD									
4,600.00	93.94	278.00	3,022.31	13.25	-718.85	718.89	0.00	0.00	0.00
4,700.00	93.94	278.00	3,015.45	27.13	-817.64	817.72	0.00	0.00	0.00
4,703.56	93.94	278.00	3,015.20	27.63	-821.16	821.24	0.00	0.00	0.00
Start DLS 2.00 TFO -89.72									
4,800.00	93.94	276.07	3,008.58	39.41	-916.64	916.76	2.00	0.01	-2.00
4,900.00	93.95	274.06	3,001.70	48.21	-1,016.01	1,016.16	2.00	0.00	-2.00
5,000.00	93.94	272.06	2,994.82	53.54	-1,115.63	1,115.79	2.00	0.00	-2.00
5,093.50	93.94	270.18	2,988.39	55.36	-1,208.89	1,209.05	2.00	-0.01	-2.00
Start 3820.84 hold at 5093.50 MD									
5,100.00	93.94	270.18	2,987.94	55.38	-1,215.37	1,215.54	0.00	0.00	0.00
5,200.00	93.94	270.18	2,981.08	55.70	-1,315.13	1,315.30	0.00	0.00	0.00
5,300.00	93.94	270.18	2,974.21	56.02	-1,414.90	1,415.06	0.00	0.00	0.00
5,400.00	93.94	270.18	2,967.34	56.33	-1,514.66	1,514.83	0.00	0.00	0.00
5,500.00	93.94	270.18	2,960.47	56.65	-1,614.42	1,614.59	0.00	0.00	0.00
5,600.00	93.94	270.18	2,953.61	56.97	-1,714.19	1,714.36	0.00	0.00	0.00
5,700.00	93.94	270.18	2,946.74	57.29	-1,813.95	1,814.12	0.00	0.00	0.00
5,800.00	93.94	270.18	2,939.87	57.61	-1,913.71	1,913.88	0.00	0.00	0.00
5,900.00	93.94	270.18	2,933.00	57.92	-2,013.48	2,013.65	0.00	0.00	0.00
6,000.00	93.94	270.18	2,926.14	58.24	-2,113.24	2,113.41	0.00	0.00	0.00
6,100.00	93.94	270.18	2,919.27	58.56	-2,213.00	2,213.18	0.00	0.00	0.00
6,200.00	93.94	270.18	2,912.40	58.88	-2,312.77	2,312.94	0.00	0.00	0.00
6,300.00	93.94	270.18	2,905.54	59.20	-2,412.53	2,412.70	0.00	0.00	0.00
6,400.00	93.94	270.18	2,898.67	59.51	-2,512.29	2,512.47	0.00	0.00	0.00
6,500.00	93.94	270.18	2,891.80	59.83	-2,612.06	2,612.23	0.00	0.00	0.00
6,600.00	93.94	270.18	2,884.93	60.15	-2,711.82	2,712.00	0.00	0.00	0.00
6,700.00	93.94	270.18	2,878.07	60.47	-2,811.58	2,811.76	0.00	0.00	0.00
6,800.00	93.94	270.18	2,871.20	60.79	-2,911.35	2,911.52	0.00	0.00	0.00
6,900.00	93.94	270.18	2,864.33	61.10	-3,011.11	3,011.29	0.00	0.00	0.00
7,000.00	93.94	270.18	2,857.46	61.42	-3,110.87	3,111.05	0.00	0.00	0.00
7,100.00	93.94	270.18	2,850.60	61.74	-3,210.64	3,210.82	0.00	0.00	0.00
7,200.00	93.94	270.18	2,843.73	62.06	-3,310.40	3,310.58	0.00	0.00	0.00
7,300.00	93.94	270.18	2,836.86	62.38	-3,410.16	3,410.34	0.00	0.00	0.00
7,400.00	93.94	270.18	2,830.00	62.69	-3,509.93	3,510.11	0.00	0.00	0.00
7,500.00	93.94	270.18	2,823.13	63.01	-3,609.69	3,609.87	0.00	0.00	0.00
7,600.00	93.94	270.18	2,816.26	63.33	-3,709.45	3,709.63	0.00	0.00	0.00
7,700.00	93.94	270.18	2,809.39	63.65	-3,809.22	3,809.40	0.00	0.00	0.00
7,800.00	93.94	270.18	2,802.53	63.97	-3,908.98	3,909.16	0.00	0.00	0.00
7,900.00	93.94	270.18	2,795.66	64.28	-4,008.74	4,008.93	0.00	0.00	0.00
8,000.00	93.94	270.18	2,788.79	64.60	-4,108.51	4,108.69	0.00	0.00	0.00
8,100.00	93.94	270.18	2,781.92	64.92	-4,208.27	4,208.45	0.00	0.00	0.00
8,200.00	93.94	270.18	2,775.06	65.24	-4,308.03	4,308.22	0.00	0.00	0.00
8,300.00	93.94	270.18	2,768.19	65.56	-4,407.80	4,407.98	0.00	0.00	0.00
8,400.00	93.94	270.18	2,761.32	65.87	-4,507.56	4,507.75	0.00	0.00	0.00
8,500.00	93.94	270.18	2,754.45	66.19	-4,607.32	4,607.51	0.00	0.00	0.00
8,600.00	93.94	270.18	2,747.59	66.51	-4,707.09	4,707.27	0.00	0.00	0.00
8,700.00	93.94	270.18	2,740.72	66.83	-4,806.85	4,807.04	0.00	0.00	0.00

Planning Report

Database:	PRIME_EDM	Local Co-ordinate Reference:	Well Krauss 22 C 103H
Company:	SILVERBACK EXPLORATION	TVD Reference:	3316+20 @ 3336.00usft (gl+kb)
Project:	EDDY COUNTY, NM (NAD83) NMEZ GRID	MD Reference:	3316+20 @ 3336.00usft (gl+kb)
Site:	Krauss 22	North Reference:	Grid
Well:	Krauss 22 C 103H	Survey Calculation Method:	Minimum Curvature
Wellbore:	C 103H		
Design:	Plan 1r1		

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)
8,800.00	93.94	270.18	2,733.85	67.15	-4,906.62	4,906.80	0.00	0.00	0.00
8,900.00	93.94	270.18	2,726.99	67.46	-5,006.38	5,006.57	0.00	0.00	0.00
8,914.35	93.94	270.18	2,726.00	67.51	-5,020.69	5,020.88	0.00	0.00	0.00
TD at 8914.35									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Krauss 22 C 103H SHL	0.00	0.00	0.00	0.00	0.00	630,124.27	532,605.48	32.7322471	-104.3617302
- plan hits target center									
- Point									
Krauss 22 C 103H KOP	0.00	360.00	1,789.68	-34.85	685.68	630,089.42	533,291.16	32.7321518	-104.3595003
- plan misses target center by 0.01usft at 2009.62usft MD (1789.68 TVD, -34.85 N, 685.68 E)									
- Point									
Krauss 22 C 103H Max I	0.00	360.00	2,292.56	-47.96	886.27	630,076.31	533,491.75	32.7321159	-104.3588480
- plan misses target center by 0.01usft at 2565.01usft MD (2292.57 TVD, -47.96 N, 886.27 E)									
- Point									
Krauss 22 C 103H PBHL	0.00	0.00	2,726.00	67.51	-5,020.69	630,191.78	527,584.79	32.7324279	-104.3780578
- plan hits target center									
- Point									
Krauss 22 C 103H FTP :	0.00	0.00	3,076.00	-28.08	57.90	630,096.19	532,663.38	32.7321700	-104.3615419
- plan misses target center by 0.07usft at 3819.22usft MD (3075.95 TVD, -28.12 N, 57.90 E)									
- Point									

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
500.00	500.00	0.00	0.00	Start Build 4.00
1,600.00	1,495.02	-20.41	401.50	Start 409.62 hold at 1600.00 MD
2,009.62	1,789.68	-34.85	685.68	Start DLS 8.00 TFO 179.19
3,309.56	2,907.35	-39.48	528.26	Start 200.00 hold at 3309.56 MD
3,509.56	3,007.35	-33.43	355.16	Start DLS 11.00 TFO -3.25
3,818.48	3,076.00	-28.12	58.64	Start 300.00 hold at 3818.48 MD
4,118.48	3,055.41	-27.18	-240.65	Start DLS 2.00 TFO 89.73
4,508.56	3,028.59	0.55	-628.51	Start 195.00 hold at 4508.56 MD
4,703.56	3,015.20	27.63	-821.16	Start DLS 2.00 TFO -89.72
5,093.50	2,988.39	55.36	-1,208.89	Start 3820.84 hold at 5093.50 MD
8,914.35	2,726.00	67.51	-5,020.69	TD at 8914.35

SILVERBACK EXPLORATION

EDDY COUNTY, NM (NAD83) NMEZ GRID

Krauss 22

Krauss 22 C 103H

C 103H

Plan 1r1

Anticollision Report

29 November, 2023

Anticollision Report

Company:	SILVERBACK EXPLORATION	Local Co-ordinate Reference:	Well Krauss 22 C 103H
Project:	EDDY COUNTY, NM (NAD83) NMEZ GRID	TVD Reference:	3316+20 @ 3336.00usft (gl+kb)
Reference Site:	Krauss 22	MD Reference:	3316+20 @ 3336.00usft (gl+kb)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Krauss 22 C 103H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	C 103H	Database:	PRIME_EDM
Reference Design:	Plan 1r1	Offset TVD Reference:	Reference Datum

Offset Design Krauss 22 - Krauss 22 C 102H - C 102H - Plan 1r0													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							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		
2,400.00	2,128.88	2,690.48	2,391.69	19.00	20.37	93.32	-978.94	794.06	972.47	935.43	37.05	26.249		
2,500.00	2,227.63	2,778.64	2,464.87	19.38	20.55	90.47	-954.12	751.76	946.67	908.98	37.69	25.117		
2,600.00	2,327.54	2,859.46	2,526.57	19.64	20.70	-71.63	-930.78	705.13	922.43	884.19	38.23	24.128		
2,700.00	2,426.65	2,935.05	2,578.90	19.94	20.84	-77.46	-908.73	655.29	900.00	861.32	38.67	23.272		
2,800.00	2,523.06	3,006.85	2,623.24	20.02	21.01	-77.48	-887.82	602.87	879.52	840.56	38.96	22.574		
2,900.00	2,614.87	3,076.12	2,660.64	20.11	21.20	-76.81	-867.87	548.12	861.02	821.80	39.22	21.951		
3,000.00	2,700.30	3,161.25	2,703.20	20.23	21.54	-75.58	-843.56	478.52	843.53	803.85	39.68	21.258		
3,100.00	2,777.69	3,252.12	2,748.63	20.41	22.08	-74.79	-817.62	404.23	825.08	784.70	40.38	20.431		
3,200.00	2,845.54	3,312.96	2,778.08	20.67	22.57	-75.18	-800.72	353.76	805.92	764.77	41.15	19.584		
3,300.00	2,902.51	3,363.00	2,798.57	21.08	23.13	-75.76	-788.69	309.74	789.37	747.21	42.16	18.723		
3,400.00	2,952.57	3,413.03	2,815.18	21.70	23.78	-75.09	-778.59	263.66	777.13	733.67	43.46	17.883		
3,500.00	3,002.57	3,450.00	2,824.87	22.53	24.29	-74.33	-772.43	228.53	771.67	726.96	44.71	17.259		
3,600.00	3,045.57	3,500.00	2,834.39	23.58	25.04	-73.08	-765.93	179.89	770.34	724.06	46.28	16.645		
3,637.53	3,057.17	3,527.80	2,837.88	24.07	25.47	-72.61	-763.23	152.45	769.85	722.75	47.10	16.345		
3,700.00	3,070.69	3,550.00	2,839.72	24.89	25.82	-72.31	-761.57	130.39	769.37	721.11	48.26	15.942		
3,748.28	3,076.10	3,581.62	2,840.90	25.60	26.33	-72.11	-759.94	98.83	768.83	719.41	49.42	15.556		
3,800.00	3,076.94	3,606.86	2,840.62	26.37	26.73	-72.10	-759.27	73.62	768.33	717.72	50.61	15.182		
3,900.00	3,070.40	3,692.32	2,835.97	27.96	28.10	-72.19	-758.92	-11.72	767.80	714.33	53.47	14.359		
4,000.00	3,063.54	3,792.31	2,830.34	29.68	29.80	-72.28	-758.61	-111.55	767.43	710.70	56.73	13.527		
4,100.00	3,056.67	3,892.30	2,824.70	31.49	31.59	-72.37	-758.30	-211.38	767.06	706.87	60.19	12.744		
4,113.60	3,055.74	3,905.90	2,823.94	31.75	31.84	-72.37	-758.26	-224.96	767.04	706.36	60.68	12.642 CC		
4,200.00	3,049.81	3,992.28	2,819.07	33.40	33.46	-72.37	-758.00	-311.20	767.80	703.98	63.82	12.030		
4,300.00	3,042.93	4,092.16	2,813.45	35.43	35.41	-72.40	-757.69	-410.93	771.81	704.14	67.66	11.407		
4,400.00	3,036.05	4,191.82	2,807.84	37.52	37.40	-72.48	-757.38	-510.43	779.15	707.50	71.64	10.875		
4,500.00	3,029.18	4,291.14	2,802.24	39.67	39.44	-72.62	-757.08	-609.59	789.83	714.08	75.75	10.427		
4,600.00	3,022.31	4,390.21	2,796.67	41.79	41.51	-72.97	-756.77	-708.50	802.47	722.57	79.90	10.043		
4,700.00	3,015.45	4,489.27	2,791.09	43.93	43.62	-73.32	-756.47	-807.40	815.15	731.04	84.11	9.692		
4,800.00	3,008.58	4,588.54	2,785.50	46.12	45.76	-73.83	-756.16	-906.51	826.32	737.92	88.39	9.348		
4,900.00	3,001.70	4,688.17	2,779.89	48.38	47.94	-74.26	-755.85	-1,005.98	834.16	741.40	92.76	8.993		
5,000.00	2,994.82	4,788.03	2,774.26	50.65	50.15	-74.59	-755.55	-1,105.68	838.67	741.51	97.16	8.632		
5,100.00	2,987.94	4,888.00	2,768.63	52.93	52.38	-74.84	-755.24	-1,205.50	839.82	738.26	101.57	8.269		
5,200.00	2,981.08	4,987.99	2,763.00	55.18	54.63	-74.92	-754.93	-1,305.33	839.51	733.54	105.97	7.922		
5,300.00	2,974.21	5,087.99	2,757.37	57.45	56.90	-75.00	-754.62	-1,405.16	839.20	728.80	110.40	7.601		
5,400.00	2,967.34	5,187.98	2,751.74	59.74	59.18	-75.08	-754.32	-1,505.00	838.89	724.02	114.87	7.303		
5,500.00	2,960.47	5,287.97	2,746.11	62.04	61.48	-75.17	-754.01	-1,604.83	838.58	719.22	119.36	7.025		
5,600.00	2,953.61	5,387.96	2,740.48	64.34	63.78	-75.25	-753.70	-1,704.66	838.27	714.39	123.88	6.767		
5,700.00	2,946.74	5,487.96	2,734.85	66.66	66.10	-75.33	-753.39	-1,804.50	837.97	709.54	128.43	6.525		
5,800.00	2,939.87	5,587.95	2,729.22	68.99	68.42	-75.41	-753.08	-1,904.33	837.67	704.68	132.99	6.299		
5,900.00	2,933.00	5,687.94	2,723.58	71.33	70.76	-75.49	-752.78	-2,004.16	837.36	699.79	137.57	6.087		
6,000.00	2,926.14	5,787.93	2,717.95	73.67	73.10	-75.58	-752.47	-2,104.00	837.07	694.89	142.17	5.888		
6,100.00	2,919.27	5,887.93	2,712.32	76.02	75.45	-75.66	-752.16	-2,203.83	836.77	689.98	146.79	5.700		
6,200.00	2,912.40	5,987.92	2,706.69	78.38	77.81	-75.74	-751.85	-2,303.66	836.47	685.05	151.42	5.524		
6,300.00	2,905.54	6,087.91	2,701.06	80.74	80.17	-75.82	-751.54	-2,403.50	836.18	680.11	156.07	5.358		
6,400.00	2,898.67	6,187.90	2,695.43	83.11	82.54	-75.91	-751.24	-2,503.33	835.89	675.16	160.73	5.201		
6,500.00	2,891.80	6,287.89	2,689.80	85.48	84.91	-75.99	-750.93	-2,603.16	835.59	670.20	165.40	5.052		
6,600.00	2,884.93	6,387.89	2,684.17	87.86	87.28	-76.07	-750.62	-2,703.00	835.31	665.22	170.08	4.911		
6,700.00	2,878.07	6,487.88	2,678.54	90.24	89.66	-76.15	-750.31	-2,802.83	835.02	660.24	174.77	4.778		
6,800.00	2,871.20	6,587.87	2,672.91	92.62	92.05	-76.24	-750.01	-2,902.66	834.73	655.26	179.48	4.651		
6,900.00	2,864.33	6,687.86	2,667.27	95.01	94.44	-76.32	-749.70	-3,002.50	834.45	650.26	184.19	4.530		
7,000.00	2,857.46	6,787.86	2,661.64	97.40	96.83	-76.40	-749.39	-3,102.33	834.17	645.26	188.91	4.416		
7,100.00	2,850.60	6,887.85	2,656.01	99.80	99.22	-76.48	-749.08	-3,202.16	833.89	640.25	193.64	4.306		
7,200.00	2,843.73	6,987.84	2,650.38	102.19	101.62	-76.57	-748.77	-3,302.00	833.61	635.23	198.38	4.202		

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

Anticollision Report

Company:	SILVERBACK EXPLORATION	Local Co-ordinate Reference:	Well Krauss 22 C 103H
Project:	EDDY COUNTY, NM (NAD83) NMEZ GRID	TVD Reference:	3316+20 @ 3336.00usft (gl+kb)
Reference Site:	Krauss 22	MD Reference:	3316+20 @ 3336.00usft (gl+kb)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Krauss 22 C 103H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	C 103H	Database:	PRIME_EDM
Reference Design:	Plan 1r1	Offset TVD Reference:	Reference Datum

Offset Design Krauss 22 - Krauss 22 C 102H - C 102H - Plan 1r0												Offset Site Error:	0.00 usft
Survey Program: 0-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						
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	Warning
7,300.00	2,836.86	7,087.83	2,644.75	104.59	104.02	-76.65	-748.47	-3,401.83	833.33	630.21	203.12	4.103	
7,400.00	2,830.00	7,187.83	2,639.12	107.00	106.42	-76.73	-748.16	-3,501.66	833.06	625.18	207.87	4.007	
7,500.00	2,823.13	7,287.82	2,633.49	109.40	108.82	-76.82	-747.85	-3,601.49	832.78	620.15	212.63	3.917	
7,600.00	2,816.26	7,387.81	2,627.86	111.81	111.23	-76.90	-747.54	-3,701.33	832.51	615.11	217.40	3.829	
7,700.00	2,809.39	7,487.80	2,622.23	114.21	113.64	-76.98	-747.23	-3,801.16	832.24	610.07	222.17	3.746	
7,800.00	2,802.53	7,587.79	2,616.60	116.62	116.05	-77.07	-746.93	-3,900.99	831.97	605.02	226.95	3.666	
7,900.00	2,795.66	7,687.79	2,610.97	119.04	118.46	-77.15	-746.62	-4,000.83	831.71	599.97	231.74	3.589	
8,000.00	2,788.79	7,787.78	2,605.33	121.45	120.88	-77.23	-746.31	-4,100.66	831.44	594.92	236.52	3.515	
8,100.00	2,781.92	7,887.77	2,599.70	123.86	123.29	-77.32	-746.00	-4,200.49	831.18	589.86	241.32	3.444	
8,200.00	2,775.06	7,987.76	2,594.07	126.28	125.71	-77.40	-745.70	-4,300.33	830.92	584.80	246.12	3.376	
8,300.00	2,768.19	8,087.76	2,588.44	128.70	128.13	-77.48	-745.39	-4,400.16	830.66	579.74	250.93	3.310	
8,400.00	2,761.32	8,187.75	2,582.81	131.12	130.55	-77.57	-745.08	-4,499.99	830.40	574.67	255.74	3.247	
8,500.00	2,754.45	8,287.74	2,577.18	133.54	132.97	-77.65	-744.77	-4,599.83	830.15	569.60	260.55	3.186	
8,600.00	2,747.59	8,387.73	2,571.55	135.96	135.39	-77.73	-744.46	-4,699.66	829.89	564.52	265.37	3.127	
8,700.00	2,740.72	8,487.73	2,565.92	138.38	137.81	-77.82	-744.16	-4,799.49	829.64	559.45	270.19	3.071	
8,800.00	2,733.85	8,587.72	2,560.29	140.80	140.24	-77.90	-743.85	-4,899.33	829.39	554.37	275.02	3.016	
8,900.00	2,726.99	8,687.71	2,554.66	143.23	142.66	-77.99	-743.54	-4,999.16	829.14	549.29	279.86	2.963	
8,914.88	2,725.96	8,702.59	2,553.82	143.59	143.02	-78.00	-743.49	-5,014.01	829.11	548.54	280.57	2.955 ES, SF	

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

Anticollision Report

Company:	SILVERBACK EXPLORATION	Local Co-ordinate Reference:	Well Krauss 22 C 103H
Project:	EDDY COUNTY, NM (NAD83) NMEZ GRID	TVD Reference:	3316+20 @ 3336.00usft (gl+kb)
Reference Site:	Krauss 22	MD Reference:	3316+20 @ 3336.00usft (gl+kb)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Krauss 22 C 103H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	C 103H	Database:	PRIME_EDM
Reference Design:	Plan 1r1	Offset TVD Reference:	Reference Datum

Offset Design Margaret 103H - Margaret 103H - ST01 - Surveys												Offset Site Error:	0.00 usft
Survey Program: 169-MWD+HRGM, 1989-MWD+HRGM												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						
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	Warning
2,600.00	2,327.54	3,804.22	2,893.49	19.64	26.09	-83.95	-821.95	873.19	958.67	920.15	38.52	24.891	
2,700.00	2,426.65	3,799.36	2,893.10	19.94	25.98	-95.91	-822.16	868.35	903.21	863.03	40.18	22.478	
2,800.00	2,523.06	3,780.80	2,891.59	20.02	25.59	-99.81	-822.96	849.88	857.59	816.21	41.38	20.727	
2,900.00	2,614.87	3,758.00	2,889.70	20.11	25.11	-101.56	-823.97	827.18	823.54	781.24	42.29	19.473	
3,000.00	2,700.30	3,724.04	2,887.24	20.23	24.38	-101.35	-825.80	793.36	802.18	759.47	42.71	18.780	
3,100.00	2,777.69	3,686.14	2,885.40	20.41	23.58	-99.97	-828.63	755.60	793.72	750.89	42.82	18.535	
3,120.43	2,792.37	3,677.26	2,885.12	20.46	23.39	-99.54	-829.42	746.76	793.48	750.66	42.81	18.534	CC, ES, SF
3,200.00	2,845.54	3,638.64	2,884.34	20.67	22.58	-97.43	-833.37	708.36	796.86	754.30	42.56	18.721	
3,300.00	2,902.51	3,579.00	2,883.58	21.08	21.32	-93.99	-841.31	649.26	809.65	767.65	42.00	19.278	
3,400.00	2,952.57	3,534.00	2,882.45	21.70	20.38	-92.19	-849.07	604.95	829.94	788.06	41.88	19.816	
3,500.00	3,002.57	3,483.82	2,880.81	22.53	19.36	-90.36	-859.48	555.89	856.59	814.91	41.67	20.554	
3,600.00	3,045.57	3,408.21	2,880.36	23.58	17.87	-84.81	-877.23	482.40	887.17	846.12	41.04	21.615	
3,700.00	3,070.69	3,322.86	2,879.77	24.89	16.26	-80.08	-897.79	399.59	916.87	876.32	40.55	22.610	
3,800.00	3,076.94	3,233.19	2,866.93	26.37	14.65	-76.22	-917.56	313.19	943.83	903.62	40.21	23.475	
3,900.00	3,070.40	3,149.06	2,841.93	27.96	13.32	-74.79	-932.89	234.42	968.18	928.00	40.18	24.097	
4,000.00	3,063.54	3,076.07	2,811.14	29.68	12.38	-73.46	-944.34	169.29	994.64	954.12	40.52	24.546	

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

Anticollision Report

Company:	SILVERBACK EXPLORATION	Local Co-ordinate Reference:	Well Krauss 22 C 103H
Project:	EDDY COUNTY, NM (NAD83) NMEZ GRID	TVD Reference:	3316+20 @ 3336.00usft (gl+kb)
Reference Site:	Krauss 22	MD Reference:	3316+20 @ 3336.00usft (gl+kb)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Krauss 22 C 103H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	C 103H	Database:	PRIME_EDM
Reference Design:	Plan 1r1	Offset TVD Reference:	Reference Datum

Offset Design Margaret 104H - Margaret 104H - OH - Surveys													Offset Site Error:	0.00 usft
Survey Program: 198-MWD+HRGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							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	6.00	0.00	0.00	-179.76	-60.43	-0.26	60.73					
100.00	100.00	93.84	99.84	0.31	0.67	-179.87	-60.55	-0.14	60.55	59.64	0.91	66.640	CC	
200.00	200.00	193.67	199.67	0.95	1.39	179.77	-60.95	0.25	60.95	58.81	2.14	28.480		
300.00	300.00	293.84	299.83	1.46	1.57	179.58	-61.52	0.45	61.52	58.76	2.75	22.330		
400.00	400.00	393.93	399.92	1.89	1.69	-179.59	-61.85	-0.45	61.85	58.56	3.29	18.811		
500.00	500.00	494.19	500.15	2.31	1.82	-177.23	-61.67	-2.98	61.74	57.94	3.80	16.237		
554.00	553.99	548.25	554.12	2.85	1.93	93.45	-61.28	-5.81	61.61	57.55	4.06	15.191		
600.00	599.92	593.97	599.75	3.48	2.02	98.54	-60.84	-8.84	61.90	57.58	4.32	14.315		
700.00	699.35	690.92	696.27	5.91	2.29	114.77	-59.81	-17.81	67.15	61.72	5.43	12.369		
800.00	797.81	781.82	786.16	7.62	2.68	132.38	-59.54	-31.19	85.99	78.27	7.71	11.145		
900.00	894.82	865.00	867.29	9.00	3.11	145.51	-59.62	-49.46	122.41	112.42	9.99	12.248		
1,000.00	989.91	940.21	939.44	10.17	3.49	153.64	-59.61	-70.67	173.86	162.22	11.64	14.938		
1,100.00	1,082.61	1,011.81	1,007.26	11.19	3.79	158.92	-58.99	-93.58	235.91	223.01	12.91	18.279		
1,200.00	1,172.47	1,081.69	1,073.10	12.09	4.07	162.59	-57.46	-116.96	305.22	291.20	14.02	21.773		
1,300.00	1,259.05	1,146.51	1,134.14	12.90	4.34	165.11	-55.08	-138.64	379.86	364.90	14.96	25.388		
1,400.00	1,341.94	1,212.60	1,196.50	13.62	4.64	167.02	-52.60	-160.37	458.96	443.03	15.94	28.799		
1,500.00	1,420.73	1,269.56	1,250.46	14.27	4.93	168.04	-50.70	-178.52	541.76	525.04	16.72	32.393		
1,600.00	1,495.02	1,319.96	1,298.25	14.86	5.17	168.54	-49.05	-194.43	628.22	610.87	17.35	36.199		
1,700.00	1,566.96	1,364.46	1,340.45	15.16	5.37	170.03	-47.48	-208.48	716.51	698.77	17.74	40.400		
1,800.00	1,638.89	1,408.84	1,382.49	15.36	5.58	171.21	-45.83	-222.61	805.00	786.94	18.06	44.576		
1,900.00	1,710.83	1,453.40	1,424.67	15.63	5.78	172.20	-44.07	-236.86	893.64	875.25	18.39	48.587		
2,000.00	1,782.76	1,499.21	1,468.02	16.05	6.00	173.04	-42.17	-251.55	982.37	963.61	18.75	52.384		
2,600.00	2,327.54	4,363.82	3,244.44	19.64	30.79	120.54	5.45	858.78	918.85	893.74	25.11	36.597		
2,700.00	2,426.65	4,355.11	3,244.20	19.94	30.60	158.51	5.38	850.07	819.64	794.53	25.10	32.649		
2,800.00	2,523.06	4,333.12	3,243.64	20.02	30.12	166.32	5.11	828.09	722.81	697.78	25.03	28.879		
2,900.00	2,614.87	4,295.64	3,242.72	20.11	29.30	169.13	4.65	790.62	630.26	605.32	24.94	25.274		
3,000.00	2,700.30	4,244.17	3,241.35	20.23	28.19	170.41	4.19	739.17	543.66	518.80	24.86	21.866		
3,100.00	2,777.69	4,183.71	3,239.48	20.41	26.88	171.01	3.92	678.75	464.54	439.74	24.80	18.732		
3,200.00	2,845.54	4,117.49	3,237.99	20.67	25.46	171.13	4.70	612.54	395.33	370.58	24.75	15.975		
3,300.00	2,902.51	4,039.16	3,236.54	21.08	23.81	170.72	6.92	534.26	337.28	312.47	24.82	13.591		
3,400.00	2,952.57	3,957.11	3,235.96	21.70	22.10	169.33	9.50	452.25	287.15	262.50	24.65	11.648		
3,500.00	3,002.57	3,866.99	3,236.09	22.53	20.28	167.03	12.62	362.19	238.08	213.32	24.75	9.618		
3,600.00	3,045.57	3,766.15	3,232.69	23.58	18.30	164.91	15.47	261.46	193.18	167.74	25.44	7.592		
3,700.00	3,070.69	3,653.45	3,219.38	24.89	16.19	162.36	16.54	149.62	157.89	131.28	26.62	5.932		
3,800.00	3,076.94	3,536.57	3,189.51	26.37	14.18	158.28	17.35	36.80	127.95	100.04	27.91	4.585		
3,900.00	3,070.40	3,428.64	3,142.82	27.96	12.70	145.55	23.58	-60.16	96.42	65.38	31.04	3.106		
4,000.00	3,063.54	3,337.75	3,097.29	29.68	11.70	121.37	29.56	-138.59	68.28	30.92	37.36	1.828		
4,069.23	3,058.79	3,275.83	3,065.85	30.93	11.20	96.68	33.05	-191.81	60.80	19.14	41.65	1.460	Level 3, ES, SF	
4,100.00	3,056.67	3,247.38	3,051.25	31.49	11.08	84.63	34.50	-216.19	62.27	20.28	41.99	1.483	Level 3	
4,200.00	3,049.81	3,159.13	3,002.98	33.40	11.04	51.46	34.48	-289.99	82.73	45.74	36.99	2.237		
4,300.00	3,042.93	3,089.00	2,958.36	35.43	11.04	32.57	31.23	-343.96	126.07	93.92	32.15	3.921		
4,400.00	3,036.05	3,027.86	2,914.51	37.52	11.06	22.39	27.70	-386.37	185.77	155.25	30.52	6.087		
4,500.00	3,029.18	2,978.17	2,875.99	39.67	11.07	17.21	23.55	-417.47	255.12	224.79	30.34	8.410		
4,600.00	3,022.31	2,937.88	2,843.01	41.79	11.07	12.85	19.65	-440.26	331.36	300.77	30.59	10.833		
4,700.00	3,015.45	2,910.00	2,819.30	43.93	11.07	10.37	16.87	-454.66	412.72	381.75	30.97	13.327		
4,800.00	3,008.58	2,866.00	2,780.53	46.12	11.06	4.42	12.53	-474.98	497.79	466.63	31.15	15.979		
4,900.00	3,001.70	2,851.32	2,767.26	48.38	11.06	0.19	11.12	-481.10	585.21	553.78	31.43	18.622		
5,000.00	2,994.82	2,821.00	2,739.38	50.65	11.05	-4.40	8.26	-492.66	674.82	643.27	31.56	21.383		
5,100.00	2,987.94	2,821.00	2,739.38	52.93	11.05	-8.56	8.26	-492.66	765.71	734.05	31.67	24.180		
5,200.00	2,981.08	2,794.81	2,714.83	55.18	11.05	-8.36	5.88	-501.46	857.57	825.84	31.74	27.020		
5,300.00	2,974.21	2,777.00	2,697.91	57.45	11.05	-8.21	4.33	-506.80	950.60	918.81	31.79	29.898		

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

Anticollision Report

Company:	SILVERBACK EXPLORATION	Local Co-ordinate Reference:	Well Krauss 22 C 103H
Project:	EDDY COUNTY, NM (NAD83) NMEZ GRID	TVD Reference:	3316+20 @ 3336.00usft (gl+kb)
Reference Site:	Krauss 22	MD Reference:	3316+20 @ 3336.00usft (gl+kb)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Krauss 22 C 103H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	C 103H	Database:	PRIME_EDM
Reference Design:	Plan 1r1	Offset TVD Reference:	Reference Datum

Offset Design Margaret 203H - Margaret 203H - OH - Surveys													Offset Site Error:	0.00 usft
Survey Program: 166-MWD+HRGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							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	6.00	0.00	0.00	-179.79	-120.00	-0.44	120.15					
100.00	100.00	93.69	99.68	0.31	0.61	-179.34	-120.11	-1.39	120.12	119.28	0.84	143.094 CC		
200.00	200.00	193.21	199.16	0.95	1.16	-177.93	-120.50	-4.35	120.58	118.68	1.89	63.719 ES		
300.00	300.00	291.64	297.50	1.46	1.43	-176.06	-121.75	-8.40	122.06	119.54	2.52	48.371		
400.00	400.00	391.52	397.20	1.89	1.73	-173.54	-123.39	-13.98	124.21	121.07	3.13	39.622		
500.00	500.00	489.44	494.97	2.31	2.04	-171.31	-125.32	-19.16	126.87	123.12	3.75	33.846		
600.00	599.92	585.95	591.15	3.48	2.40	99.53	-129.66	-25.76	133.03	128.64	4.39	30.305		
700.00	699.35	682.45	687.13	5.91	2.76	106.12	-134.71	-34.45	142.98	137.74	5.25	27.256		
800.00	797.81	775.45	779.28	7.62	3.15	114.39	-140.04	-45.71	159.49	152.85	6.64	24.018		
900.00	894.82	865.54	868.22	9.00	3.53	122.89	-145.09	-59.09	184.56	176.08	8.48	21.765		
1,000.00	989.91	951.93	953.30	10.17	3.90	130.38	-149.77	-73.38	219.01	208.58	10.42	21.008		
1,100.00	1,082.61	1,029.55	1,029.35	11.19	4.26	136.17	-153.98	-88.29	263.78	251.62	12.16	21.688		
1,200.00	1,172.47	1,098.54	1,096.47	12.09	4.59	140.28	-158.32	-103.62	318.90	305.32	13.58	23.477		
1,300.00	1,259.05	1,161.23	1,157.07	12.90	4.91	143.07	-162.78	-119.02	382.87	368.11	14.75	25.949		
1,400.00	1,341.94	1,221.56	1,215.07	13.62	5.24	144.99	-167.68	-134.89	454.20	438.39	15.81	28.720		
1,500.00	1,420.73	1,280.22	1,271.37	14.27	5.59	146.23	-172.59	-150.60	531.05	514.23	16.82	31.574		
1,600.00	1,495.02	1,334.88	1,323.82	14.86	5.89	146.75	-177.11	-165.32	612.49	594.79	17.70	34.607		
1,700.00	1,566.96	1,391.07	1,377.83	15.16	6.16	149.89	-182.65	-179.81	695.95	677.56	18.39	37.841		
1,800.00	1,638.89	1,446.43	1,431.07	15.36	6.42	152.25	-188.75	-193.69	779.67	760.70	18.97	41.108		
1,900.00	1,710.83	1,498.17	1,480.86	15.63	6.67	154.04	-194.54	-206.52	863.55	844.10	19.45	44.387		
2,000.00	1,782.76	1,551.44	1,532.12	16.05	6.93	155.58	-200.43	-219.74	947.68	927.72	19.96	47.486		
3,100.00	2,777.69	4,629.66	3,691.88	20.41	27.34	-149.76	-410.42	682.46	984.62	957.93	26.69	36.891		
3,200.00	2,845.54	4,551.76	3,689.46	20.67	25.77	-150.53	-413.49	604.66	921.96	895.02	26.94	34.220		
3,300.00	2,902.51	4,487.10	3,687.89	21.08	24.48	-151.20	-415.85	540.06	870.79	843.44	27.34	31.846		
3,400.00	2,952.57	4,387.36	3,685.72	21.70	22.56	-149.00	-419.21	440.40	826.98	799.55	27.42	30.156		
3,500.00	3,002.57	4,277.24	3,681.54	22.53	20.51	-146.11	-421.22	330.39	782.47	754.87	27.59	28.356		
3,600.00	3,045.57	4,154.96	3,674.32	23.58	18.41	-145.66	-420.08	208.34	742.24	714.38	27.86	26.645		
3,700.00	3,070.69	3,856.70	3,578.03	24.89	14.89	-139.18	-425.39	-71.16	689.82	661.07	28.75	23.998		
3,800.00	3,076.94	3,768.90	3,536.02	26.37	14.49	-139.11	-430.82	-148.07	650.81	620.50	30.31	21.473		
3,900.00	3,070.40	3,518.72	3,394.23	27.96	14.19	-130.62	-429.80	-352.84	612.71	578.96	33.75	18.154		
4,000.00	3,063.54	3,139.26	3,068.04	29.68	14.40	-95.12	-387.96	-529.92	544.01	505.92	38.09	14.283		
4,100.00	3,056.67	3,084.14	3,015.27	31.49	14.32	-86.78	-375.15	-539.25	472.51	432.54	39.97	11.821		
4,200.00	3,049.81	3,063.76	2,995.52	33.40	14.28	-83.54	-370.63	-541.47	412.39	369.63	42.76	9.644		
4,300.00	3,042.93	3,048.73	2,980.87	35.43	14.25	-81.14	-367.52	-542.73	372.42	326.51	45.91	8.111		
4,392.30	3,036.58	3,036.00	2,968.41	37.36	14.23	-79.05	-365.04	-543.56	359.60	311.49	48.11	7.475		
4,400.00	3,036.05	3,036.00	2,968.41	37.52	14.23	-79.04	-365.04	-543.56	359.69	311.44	48.25	7.455 SF		
4,500.00	3,029.18	3,026.75	2,959.33	39.67	14.19	-77.36	-363.33	-544.03	377.11	328.08	49.03	7.692		
4,600.00	3,022.31	3,018.38	2,951.10	41.79	14.16	-76.01	-361.86	-544.37	419.79	371.30	48.49	8.657		
4,700.00	3,015.45	3,011.23	2,944.06	43.93	14.14	-74.88	-360.67	-544.60	479.63	432.23	47.40	10.119		
4,800.00	3,008.58	3,005.19	2,938.10	46.12	14.12	-74.58	-359.71	-544.74	550.07	503.88	46.19	11.908		
4,900.00	3,001.70	2,992.00	2,925.05	48.38	14.07	-73.40	-357.76	-544.91	626.60	581.65	44.95	13.940		
5,000.00	2,994.82	2,992.00	2,925.05	50.65	14.07	-74.29	-357.76	-544.91	706.93	663.02	43.91	16.100		
5,100.00	2,987.94	2,992.00	2,925.05	52.93	14.07	-75.16	-357.76	-544.91	790.04	747.10	42.94	18.398		
5,200.00	2,981.08	2,992.00	2,925.05	55.18	14.07	-75.16	-357.76	-544.91	875.98	833.90	42.08	20.819		
5,300.00	2,974.21	2,992.00	2,925.05	57.45	14.07	-75.16	-357.76	-544.91	964.63	923.29	41.34	23.335		

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

Anticollision Report

Company:	SILVERBACK EXPLORATION	Local Co-ordinate Reference:	Well Krauss 22 C 103H
Project:	EDDY COUNTY, NM (NAD83) NMEZ GRID	TVD Reference:	3316+20 @ 3336.00usft (gl+kb)
Reference Site:	Krauss 22	MD Reference:	3316+20 @ 3336.00usft (gl+kb)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Krauss 22 C 103H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	C 103H	Database:	PRIME_EDM
Reference Design:	Plan 1r1	Offset TVD Reference:	Reference Datum

Reference Depths are relative to 3316+20 @ 3336.00usft (gl+kb)

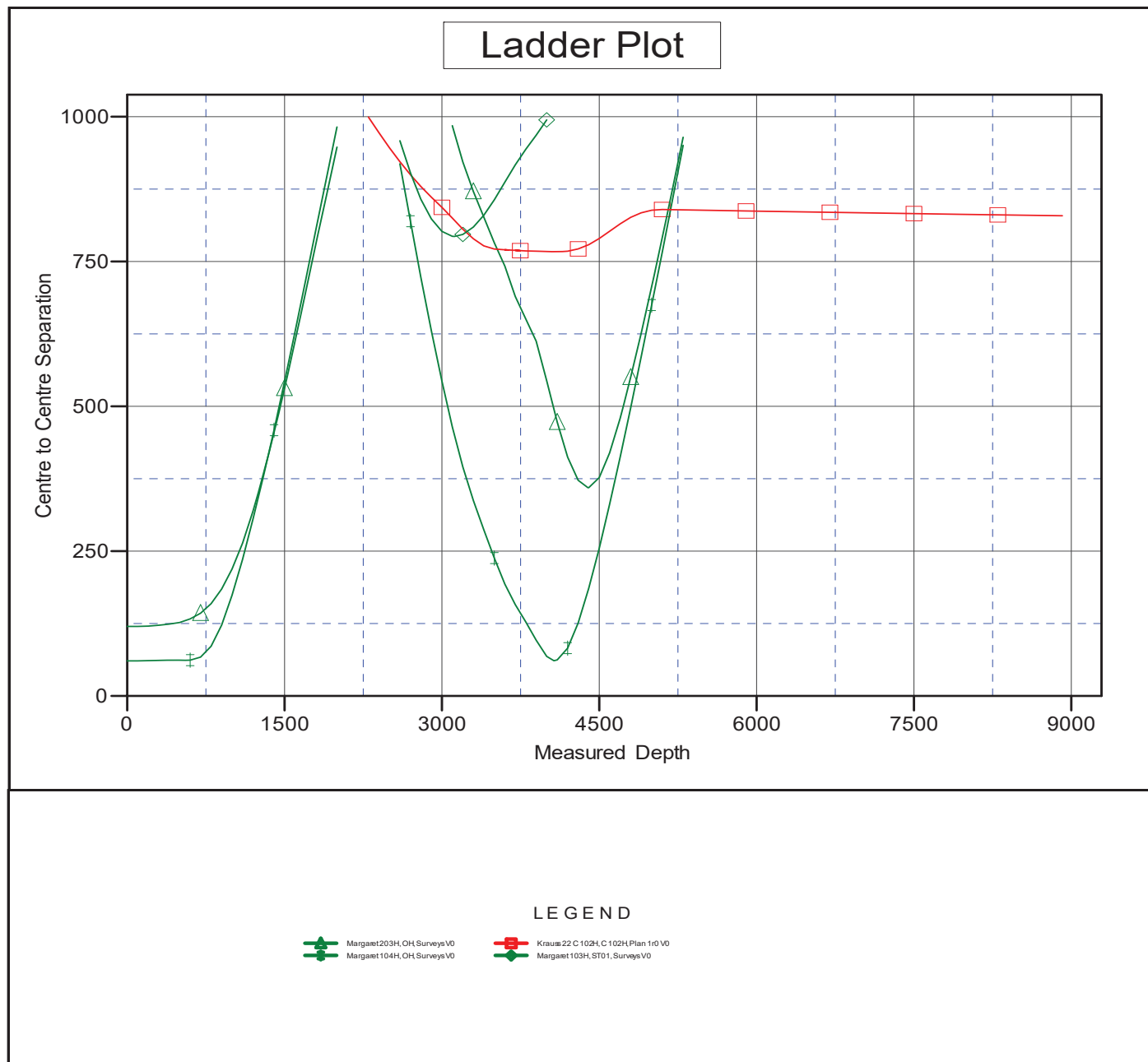
Offset Depths are relative to Offset Datum

Central Meridian is -104.333333

Coordinates are relative to: Krauss 22 C 103H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone

Grid Convergence at Surface is: -0.02°



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

Anticollision Report

Company:	SILVERBACK EXPLORATION	Local Co-ordinate Reference:	Well Krauss 22 C 103H
Project:	EDDY COUNTY, NM (NAD83) NMEZ GRID	TVD Reference:	3316+20 @ 3336.00usft (gl+kb)
Reference Site:	Krauss 22	MD Reference:	3316+20 @ 3336.00usft (gl+kb)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Krauss 22 C 103H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	C 103H	Database:	PRIME_EDM
Reference Design:	Plan 1r1	Offset TVD Reference:	Reference Datum

Reference Depths are relative to 3316+20 @ 3336.00usft (gl+kb)

Offset Depths are relative to Offset Datum

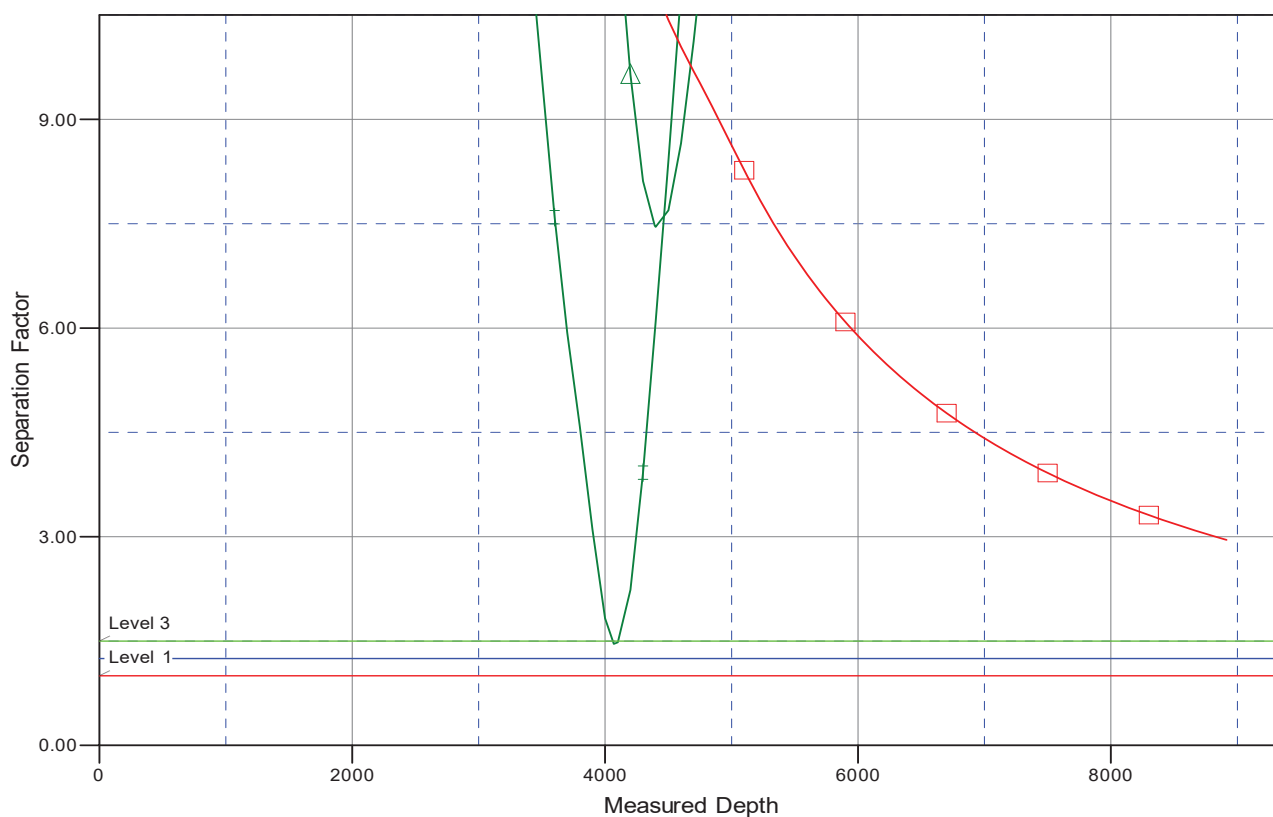
Central Meridian is -104.333333

Coordinates are relative to: Krauss 22 C 103H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone

Grid Convergence at Surface is: -0.02°

Separation Factor Plot



LEGEND



Margaet203H, OH Surveys V0
Margaet104H, OH Surveys V0



Krauss 22 C 102H, C 102H Plan 1r0 V0
Margaet103H, ST01, Surveys V0

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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 288459

CONDITIONS

Operator: Silverback Operating II, LLC 19707 IH10 West, Suite 201 San Antonio, TX 78256	OGRID: 330968
	Action Number: 288459
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	All original COA's still apply.	12/13/2023