

Submit 1 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. 30-015-49493
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 IH10 West, Suite 201 San Antonio, TX 78257		7. Lease Name or Unit Agreement Name Schudde 27
4. Well Location Unit Letter <u>D</u> : <u>990</u> feet from the <u>North</u> line and <u>435</u> feet from the <u>West</u> line Section <u>26</u> Township <u>18S</u> Range <u>26E</u> NMPM County <u>Eddy</u>		8. Well Number 102H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3313' GL		9. OGRID Number 330968
		10. Pool name or Wildcat Atoka; Glorieta-Yeso [3250]

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
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 requests to change the well name from "Schudde 27 #102H" to "Shudde 27 #102H". Please see the attached revised C102 and Directional Plan that reflect the correct well name.

Silverback Operating also requests to drill a pilot hole to a depth of 5500' (TVD). Please see the attached plugging plan and formation tops.

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 Cory Walk TITLE Agent DATE 05-10-2022

Type or print name Cory Walk E-mail address: cory@permitswest.com PHONE: 505-466-8120

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

DISTRICT I
1825 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, N.M. 87505
Phone: (505) 478-3480 Fax: (505) 478-3482

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, N.M. 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 30-015-49493	² Pool Code 3250	³ Pool Name Atoka; Glorieta-Yeso
⁴ Property Code 332811	⁵ Property Name Shudde 27	⁶ Well Number 102H
⁷ OGRID No. 330968	⁸ Operator Name Silverback Operating II, LLC	⁹ Elevation 3313

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	26	18 S	26 E		990	North	435	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
D	27	18 S	26 E		990	North	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

18

Legend:

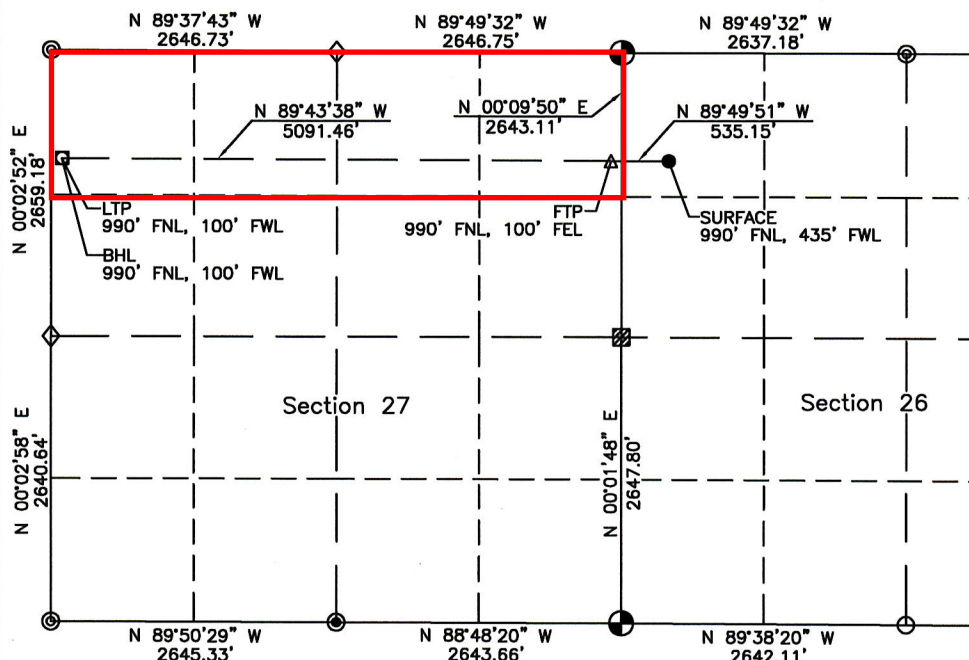
- = Surface Location
- = Bottom Hole Location
- △ = First Take Point (FTP)
- = Last Take Point (LTP)
- ⊙ = Found Rebar
- ⊙ = Found Spike At Hwy.
- ⊙ = Found 1" Iron Pipe
- ◇ = Cotton Spindle in Hwy.
- ▣ = Found 8x6x6 Limestone
- = Calc. Corner

SURFACE LOCATION
NAD 83 NMSPC ZONE 3001
Y= 626886.62 N
X= 533187.61 E
LAT.= 32.7233482° N
LONG.= 104.3598345° W

FIRST TAKE POINT
NAD 83 NMSPC ZONE 3001
Y= 626888.20 N
X= 532652.46 E
LAT.= 32.7233522° N
LONG.= 104.3615746° W

LAST TAKE POINT
NAD 83 NMSPC ZONE 3001
Y= 626912.44 N
X= 527561.06 E
LAT.= 32.7234140° N
LONG.= 104.3781305° W

BOTTOM HOLE LOCATION
NAD 83 NMSPC ZONE 3001
Y= 626912.44 N
X= 527561.06 E
LAT.= 32.7234140° N
LONG.= 104.3781305° W



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.

Cory Walk
Signature

5/10/2022
Date

Cory Walk
Printed Name

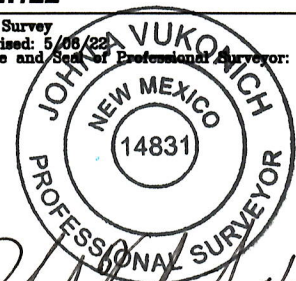
cory@permitswest.com
E-mail Address

18 SURVEYOR CERTIFICATION

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

2/27/22

Date of Survey
Plat Revised: 5/08/22
Signature and Seal of Professional Surveyor:



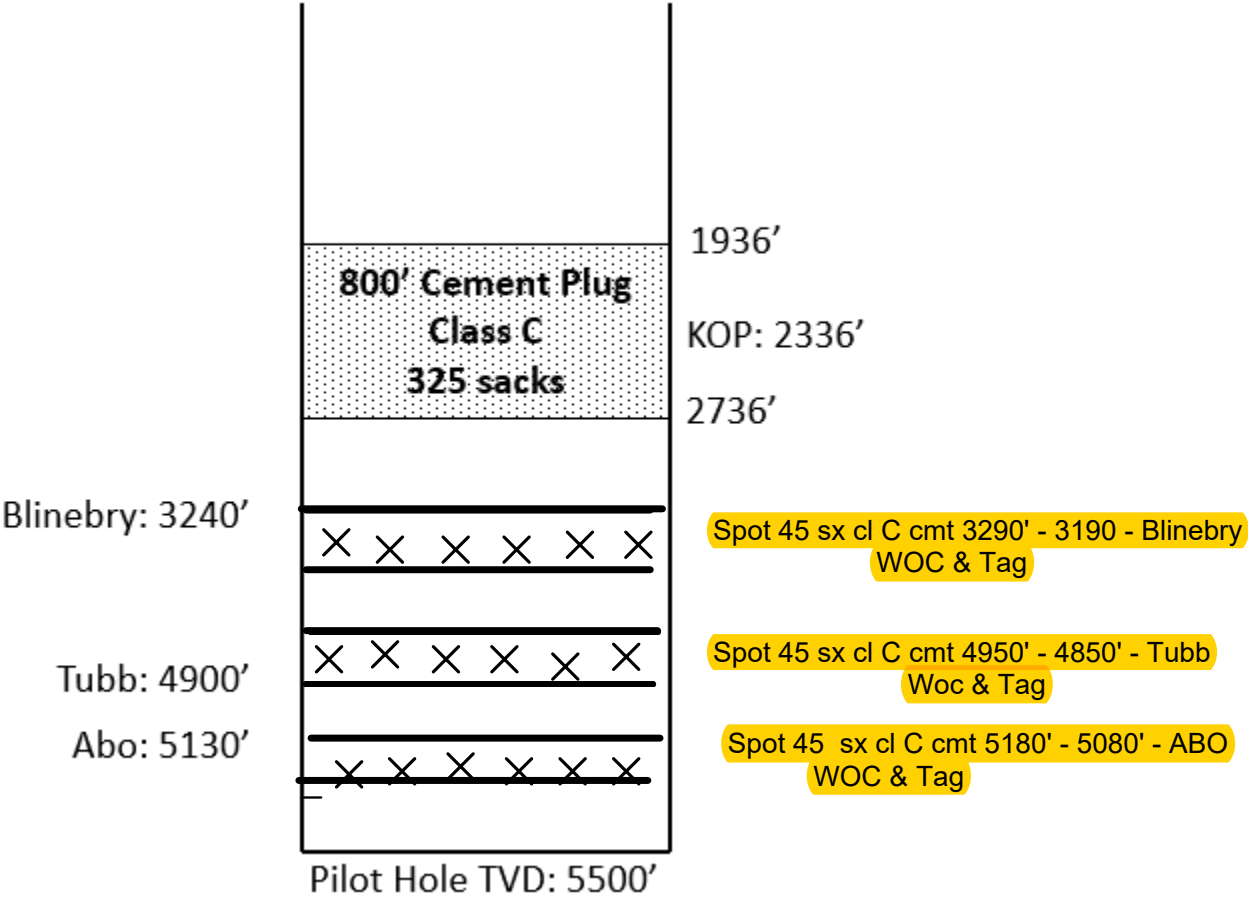
Certificate Number

14831

Silverback Operating II, LLC
Shudde 27 #102H
30-015-49493

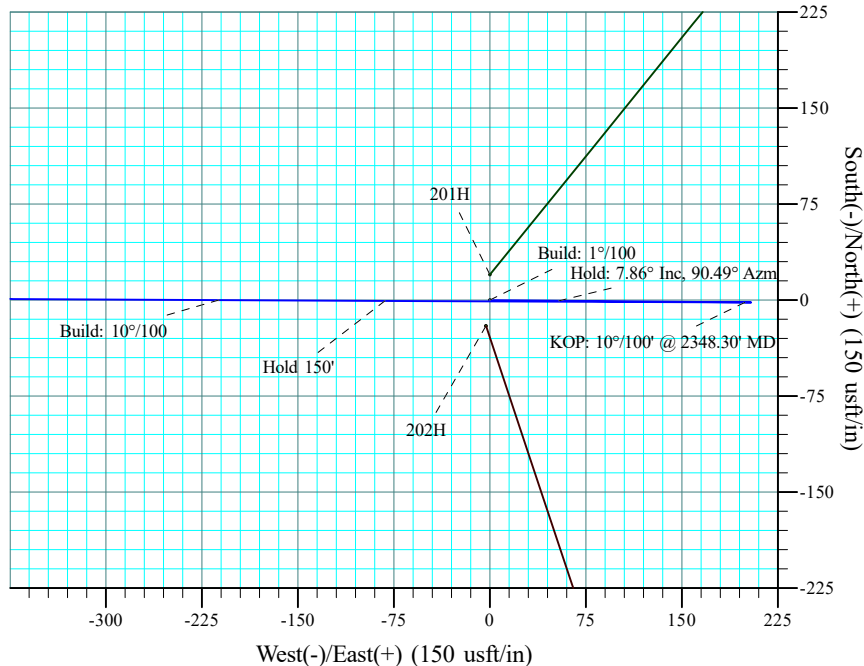
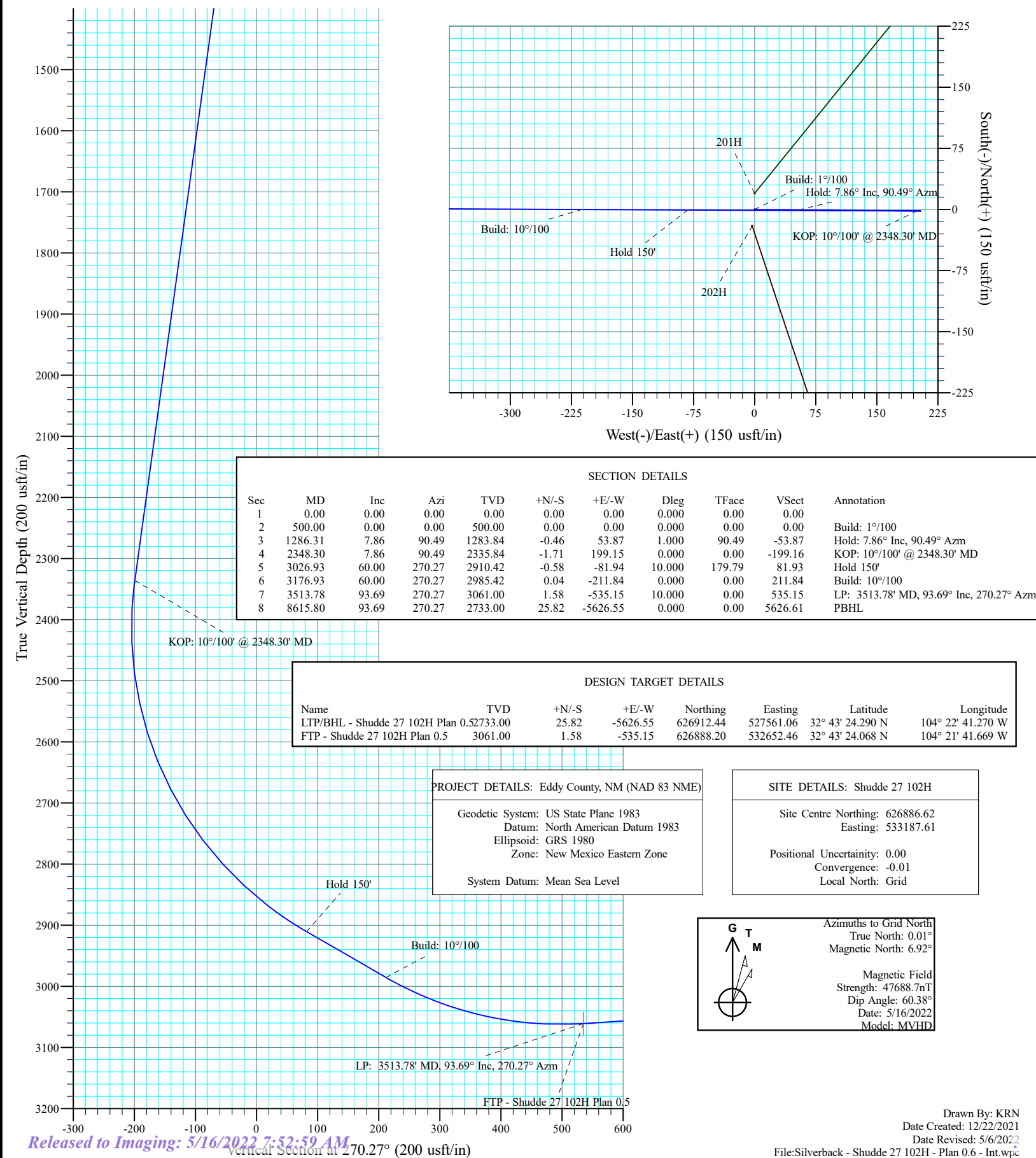
Pilot Hole Plugging Plan

Silverback intends to drill a pilot hole through the Blinebry, Tubb, and Abo formations to a depth of 5500'. They will then plug back the pilot hole with an 800' Class C cement plug (325 sacks) and then drill out the approved lateral (KOP: 2336' TVD).





Shudde 27 102H
Eddy County, NM (NAD 83 NME)
Job No. WT-22-094
Plan 0.6



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	
2	500.00	0.00	0.00	500.00	0.00	0.00	0.000	0.00	0.00	Build: 1°/100
3	1286.31	7.86	90.49	1283.84	-0.46	53.87	1.000	90.49	-53.87	Hold: 7.86° Inc, 90.49° Azm
4	2348.30	7.86	90.49	2335.84	-1.71	199.15	0.000	0.00	-199.16	KOP: 10°/100' @ 2348.30' MD
5	3026.93	60.00	270.27	2910.42	-0.58	-81.94	10.000	179.79	81.93	Hold 150'
6	3176.93	60.00	270.27	2985.42	0.04	-211.84	0.000	0.00	211.84	Build: 10°/100
7	3513.78	93.69	270.27	3061.00	1.58	-535.15	10.000	0.00	535.15	LP: 3513.78' MD, 93.69° Inc, 270.27° Azm
8	8615.80	93.69	270.27	2733.00	25.82	-5626.55	0.000	0.00	5626.61	PBHL

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
LTP/BHL - Shudde 27 102H Plan 0.52733.00	25.82	-5626.55	626912.44	527561.06	32° 43' 24.290 N	104° 22' 41.270 W	
FTP - Shudde 27 102H Plan 0.5	3061.00	1.58	-535.15	626888.20	32° 43' 24.068 N	104° 21' 41.669 W	

PROJECT DETAILS: Eddy County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone

System Datum: Mean Sea Level

SITE DETAILS: Shudde 27 102H

Site Centre Northing: 626886.62
Easting: 533187.61

Positional Uncertainty: 0.00
Convergence: -0.01
Local North: Grid



Azimuths to Grid North
True North: 0.01°
Magnetic North: 6.92°

Magnetic Field
Strength: 47688.7nT
Dip Angle: 60.38°
Date: 5/16/2022
Model: MVHD

Drawn By: KRN

Date Created: 12/22/2021

Date Revised: 5/6/2022

File: Silverback - Shudde 27 102H - Plan 0.6 - Int.wpc



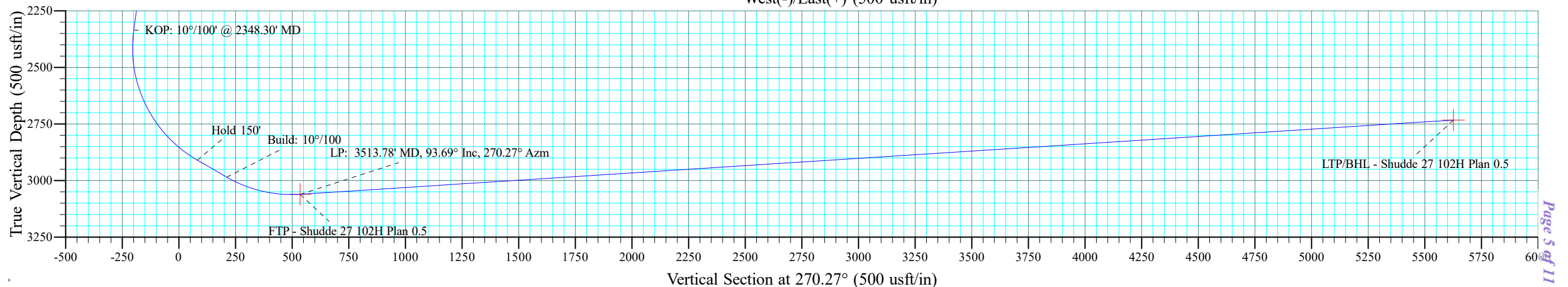
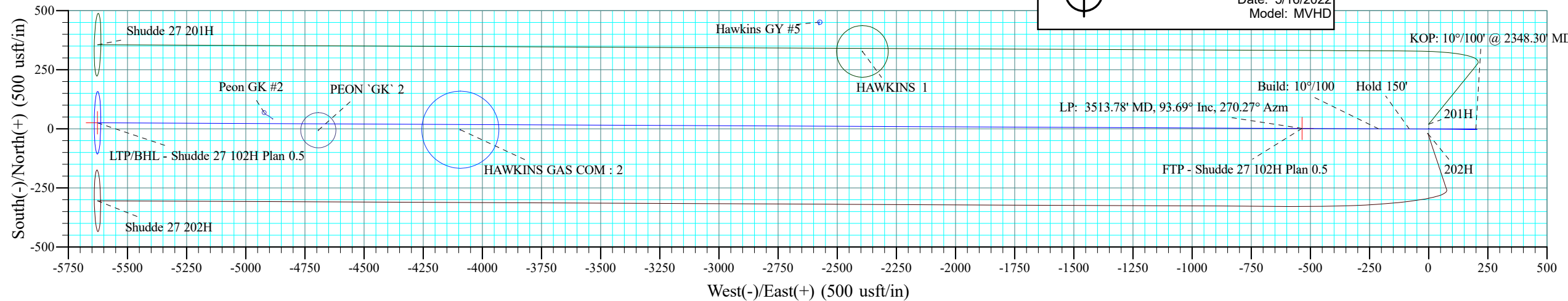
**Shudde 27 102H
Eddy County, NM (NAD 83 NME)
Job No. WT-22-094
Plan 0.6**



MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00		
500.00	0.00	0.00	500.00	0.00	0.00	0.000	0.00	0.00		Build: 1°/100
1286.31	7.86	90.49	1283.84	-0.46	53.87	1.000	90.49	-53.87		Hold: 7.86° Inc, 90.49° Azm
2348.30	7.86	90.49	2335.84	-1.71	199.15	0.000	0.00	-199.16		KOP: 10°/100' @ 2348.30' MD
3026.93	60.00	270.27	2910.42	-0.58	-81.94	10.000	179.79	81.93		Hold 150'
3176.93	60.00	270.27	2985.42	0.04	-211.84	0.000	0.00	211.84		Build: 10°/100
3513.78	93.69	270.27	3061.00	1.58	-535.15	10.000	0.00	535.15	FTP - Shudde 27 102H Plan 0.5	LP: 3513.78° MD, 93.69° Inc, 270.27° Azm
8615.80	93.69	270.27	2733.00	25.82	-5626.55	0.000	0.00	5626.61	LTP/BHL - Shudde 27 102H Plan 0.5	PBHL

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
LTP/BHL - Shudde 27 102H Plan 0.5	2733.00	25.82	-5626.55	626912.44	527561.06	32° 43' 24.290 N	104° 22' 41.270 W
FTP - Shudde 27 102H Plan 0.5	3061.00	1.58	-535.15	626888.20	532652.46	32° 43' 24.068 N	104° 21' 41.669 W

Magnetic Field
Strength: 47688.7nT
Dip Angle: 60.38°
Date: 5/16/2022
Model: MVHD





Aim Directional Services, LLC

Planning Report



Database:	RTOC- EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 102H
Company:	Silverback Exploration	TVD Reference:	Well @ 3337.75usft (18.75' KB)
Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	Well @ 3337.75usft (18.75' KB)
Site:	Shudde 27 102H	North Reference:	Grid
Well:	102H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Planning		
Design:	Plan 0.6		

Project	Eddy County, NM (NAD 83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Shudde 27 102H			
Site Position:		Northing:	626,886.62 usft	Latitude:	32° 43' 24.054 N
From:	Map	Easting:	533,187.61 usft	Longitude:	104° 21' 35.404 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-0.01 °

Well	102H					
Well Position	+N/-S	0.00 usft	Northing:	626,886.62 usft	Latitude:	32° 43' 24.054 N
	+E/-W	0.00 usft	Easting:	533,187.61 usft	Longitude:	104° 21' 35.404 W
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	3,319.00 usft

Wellbore	Planning				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	5/16/2022	6.90	60.38	47,688.663

Design	Plan 0.6			
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	270.27

Plan Survey Tool Program	Date	5/6/2022		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	8,615.80	Plan 0.6 (Planning)	MWD+HRGM
				OWSG MWD + HRGM

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.000	0.000	0.000	0.00	
1,286.31	7.86	90.49	1,283.84	-0.46	53.87	1.000	1.000	0.000	90.49	
2,348.30	7.86	90.49	2,335.84	-1.71	199.15	0.000	0.000	0.000	0.00	
3,026.93	60.00	270.27	2,910.42	-0.58	-81.94	10.000	7.683	26.492	179.79	
3,176.93	60.00	270.27	2,985.42	0.04	-211.84	0.000	0.000	0.000	0.00	
3,513.78	93.69	270.27	3,061.00	1.58	-535.15	10.000	10.000	0.000	0.00	FTP - Shudde 27 102H
8,615.80	93.69	270.27	2,733.00	25.82	-5,626.55	0.000	0.000	0.000	0.00	LTP/BHL - Shudde 27 102H



Aim Directional Services, LLC

Planning Report



Database:	RTOC- EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 102H
Company:	Silverback Exploration	TVD Reference:	Well @ 3337.75usft (18.75' KB)
Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	Well @ 3337.75usft (18.75' KB)
Site:	Shudde 27 102H	North Reference:	Grid
Well:	102H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Planning		
Design:	Plan 0.6		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.000	0.000	0.000
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.000	0.000	0.000
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.000	0.000	0.000
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.000	0.000	0.000
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.000	0.000	0.000
Build: 1°/100									
600.00	1.00	90.49	599.99	-0.01	0.87	-0.87	1.000	1.000	0.000
700.00	2.00	90.49	699.96	-0.03	3.49	-3.49	1.000	1.000	0.000
800.00	3.00	90.49	799.86	-0.07	7.85	-7.85	1.000	1.000	0.000
900.00	4.00	90.49	899.68	-0.12	13.96	-13.96	1.000	1.000	0.000
1,000.00	5.00	90.49	999.37	-0.19	21.80	-21.80	1.000	1.000	0.000
1,100.00	6.00	90.49	1,098.90	-0.27	31.39	-31.39	1.000	1.000	0.000
1,200.00	7.00	90.49	1,198.26	-0.37	42.71	-42.71	1.000	1.000	0.000
1,286.31	7.86	90.49	1,283.84	-0.46	53.87	-53.87	1.000	1.000	0.000
Hold: 7.86° Inc, 90.49° Azm									
1,300.00	7.86	90.49	1,297.41	-0.48	55.74	-55.74	0.000	0.000	0.000
1,400.00	7.86	90.49	1,396.47	-0.60	69.42	-69.42	0.000	0.000	0.000
1,500.00	7.86	90.49	1,495.52	-0.71	83.10	-83.10	0.000	0.000	0.000
1,600.00	7.86	90.49	1,594.58	-0.83	96.78	-96.79	0.000	0.000	0.000
1,700.00	7.86	90.49	1,693.64	-0.95	110.46	-110.47	0.000	0.000	0.000
1,800.00	7.86	90.49	1,792.70	-1.07	124.14	-124.15	0.000	0.000	0.000
1,900.00	7.86	90.49	1,891.76	-1.19	137.82	-137.83	0.000	0.000	0.000
2,000.00	7.86	90.49	1,990.82	-1.30	151.50	-151.51	0.000	0.000	0.000
2,100.00	7.86	90.49	2,089.88	-1.42	165.18	-165.19	0.000	0.000	0.000
2,200.00	7.86	90.49	2,188.94	-1.54	178.86	-178.87	0.000	0.000	0.000
2,300.00	7.86	90.49	2,288.00	-1.66	192.54	-192.55	0.000	0.000	0.000
2,348.30	7.86	90.49	2,335.84	-1.71	199.15	-199.16	0.000	0.000	0.000
KOP: 10°/100' @ 2348.30' MD									
2,350.00	7.69	90.50	2,337.53	-1.72	199.38	-199.39	10.000	-10.000	0.268
2,400.00	2.69	90.89	2,387.31	-1.76	203.90	-203.91	10.000	-10.000	0.780
2,450.00	2.31	269.59	2,437.30	-1.79	204.07	-204.08	10.000	-0.770	357.404
2,500.00	7.31	270.07	2,487.10	-1.79	199.88	-199.89	10.000	10.000	0.958
2,550.00	12.31	270.16	2,536.36	-1.77	191.37	-191.38	10.000	10.000	0.181
2,600.00	17.31	270.20	2,584.68	-1.73	178.60	-178.60	10.000	10.000	0.077
2,650.00	22.31	270.22	2,631.71	-1.67	161.66	-161.66	10.000	10.000	0.043
2,700.00	27.31	270.23	2,677.08	-1.59	140.69	-140.69	10.000	10.000	0.028
2,750.00	32.31	270.24	2,720.45	-1.48	115.84	-115.85	10.000	10.000	0.020
2,800.00	37.31	270.25	2,761.49	-1.36	87.31	-87.31	10.000	10.000	0.015
2,850.00	42.31	270.26	2,799.89	-1.22	55.31	-55.31	10.000	10.000	0.012
2,900.00	47.31	270.26	2,835.35	-1.06	20.08	-20.09	10.000	10.000	0.010
2,950.00	52.31	270.27	2,867.61	-0.88	-18.10	18.09	10.000	10.000	0.008
3,000.00	57.31	270.27	2,896.42	-0.69	-58.95	58.94	10.000	10.000	0.007
3,026.93	60.00	270.27	2,910.42	-0.58	-81.94	81.93	10.000	10.000	0.007
Hold 150'									
3,100.00	60.00	270.27	2,946.96	-0.28	-145.22	145.22	0.000	0.000	0.000
3,176.93	60.00	270.27	2,985.42	0.04	-211.84	211.84	0.000	0.000	0.000
Build: 10°/100									
3,200.00	62.31	270.27	2,996.56	0.14	-232.05	232.05	10.000	10.000	0.000
3,250.00	67.31	270.27	3,017.83	0.35	-277.28	277.28	10.000	10.000	0.000
3,300.00	72.31	270.27	3,035.09	0.58	-324.19	324.19	10.000	10.000	0.000
3,350.00	77.31	270.27	3,048.18	0.81	-372.43	372.43	10.000	10.000	0.000
3,400.00	82.31	270.27	3,057.03	1.04	-421.62	421.62	10.000	10.000	0.000



Aim Directional Services, LLC

Planning Report



Database:	RTOC- EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 102H
Company:	Silverback Exploration	TVD Reference:	Well @ 3337.75usft (18.75' KB)
Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	Well @ 3337.75usft (18.75' KB)
Site:	Shudde 27 102H	North Reference:	Grid
Well:	102H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Planning		
Design:	Plan 0.6		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
3,450.00	87.31	270.27	3,061.55	1.28	-471.40	471.40	10.000	10.000	0.000	
3,500.00	92.31	270.27	3,061.72	1.51	-521.38	521.39	10.000	10.000	0.000	
3,513.78	93.69	270.27	3,061.00	1.58	-535.15	535.15	10.000	10.000	0.000	
LP: 3513.78' MD, 93.69° Inc, 270.27° Azm										
3,600.00	93.69	270.27	3,055.46	1.99	-621.19	621.19	0.000	0.000	0.000	
3,700.00	93.69	270.27	3,049.03	2.46	-720.98	720.98	0.000	0.000	0.000	
3,800.00	93.69	270.27	3,042.60	2.94	-820.77	820.78	0.000	0.000	0.000	
3,900.00	93.69	270.27	3,036.17	3.41	-920.56	920.57	0.000	0.000	0.000	
4,000.00	93.69	270.27	3,029.74	3.89	-1,020.35	1,020.36	0.000	0.000	0.000	
4,100.00	93.69	270.27	3,023.31	4.37	-1,120.15	1,120.15	0.000	0.000	0.000	
4,200.00	93.69	270.27	3,016.88	4.84	-1,219.94	1,219.95	0.000	0.000	0.000	
4,300.00	93.69	270.27	3,010.46	5.32	-1,319.73	1,319.74	0.000	0.000	0.000	
4,400.00	93.69	270.27	3,004.03	5.79	-1,419.52	1,419.53	0.000	0.000	0.000	
4,500.00	93.69	270.27	2,997.60	6.27	-1,519.31	1,519.33	0.000	0.000	0.000	
4,600.00	93.69	270.27	2,991.17	6.74	-1,619.11	1,619.12	0.000	0.000	0.000	
4,700.00	93.69	270.27	2,984.74	7.22	-1,718.90	1,718.91	0.000	0.000	0.000	
4,800.00	93.69	270.27	2,978.31	7.69	-1,818.69	1,818.71	0.000	0.000	0.000	
4,900.00	93.69	270.27	2,971.88	8.17	-1,918.48	1,918.50	0.000	0.000	0.000	
5,000.00	93.69	270.27	2,965.45	8.64	-2,018.27	2,018.29	0.000	0.000	0.000	
5,100.00	93.69	270.27	2,959.02	9.12	-2,118.07	2,118.09	0.000	0.000	0.000	
5,200.00	93.69	270.27	2,952.60	9.59	-2,217.86	2,217.88	0.000	0.000	0.000	
5,300.00	93.69	270.27	2,946.17	10.07	-2,317.65	2,317.67	0.000	0.000	0.000	
5,400.00	93.69	270.27	2,939.74	10.54	-2,417.44	2,417.47	0.000	0.000	0.000	
5,500.00	93.69	270.27	2,933.31	11.02	-2,517.23	2,517.26	0.000	0.000	0.000	
5,600.00	93.69	270.27	2,926.88	11.49	-2,617.03	2,617.05	0.000	0.000	0.000	
5,700.00	93.69	270.27	2,920.45	11.97	-2,716.82	2,716.84	0.000	0.000	0.000	
5,800.00	93.69	270.27	2,914.02	12.44	-2,816.61	2,816.64	0.000	0.000	0.000	
5,900.00	93.69	270.27	2,907.59	12.92	-2,916.40	2,916.43	0.000	0.000	0.000	
6,000.00	93.69	270.27	2,901.17	13.39	-3,016.19	3,016.22	0.000	0.000	0.000	
6,100.00	93.69	270.27	2,894.74	13.87	-3,115.99	3,116.02	0.000	0.000	0.000	
6,200.00	93.69	270.27	2,888.31	14.34	-3,215.78	3,215.81	0.000	0.000	0.000	
6,300.00	93.69	270.27	2,881.88	14.82	-3,315.57	3,315.60	0.000	0.000	0.000	
6,400.00	93.69	270.27	2,875.45	15.29	-3,415.36	3,415.40	0.000	0.000	0.000	
6,500.00	93.69	270.27	2,869.02	15.77	-3,515.15	3,515.19	0.000	0.000	0.000	
6,600.00	93.69	270.27	2,862.59	16.24	-3,614.95	3,614.98	0.000	0.000	0.000	
6,700.00	93.69	270.27	2,856.16	16.72	-3,714.74	3,714.78	0.000	0.000	0.000	
6,800.00	93.69	270.27	2,849.73	17.19	-3,814.53	3,814.57	0.000	0.000	0.000	
6,900.00	93.69	270.27	2,843.31	17.67	-3,914.32	3,914.36	0.000	0.000	0.000	
7,000.00	93.69	270.27	2,836.88	18.14	-4,014.11	4,014.16	0.000	0.000	0.000	
7,100.00	93.69	270.27	2,830.45	18.62	-4,113.91	4,113.95	0.000	0.000	0.000	
7,200.00	93.69	270.27	2,824.02	19.09	-4,213.70	4,213.74	0.000	0.000	0.000	
7,300.00	93.69	270.27	2,817.59	19.57	-4,313.49	4,313.53	0.000	0.000	0.000	
7,400.00	93.69	270.27	2,811.16	20.04	-4,413.28	4,413.33	0.000	0.000	0.000	
7,500.00	93.69	270.27	2,804.73	20.52	-4,513.07	4,513.12	0.000	0.000	0.000	
7,600.00	93.69	270.27	2,798.30	20.99	-4,612.87	4,612.91	0.000	0.000	0.000	
7,700.00	93.69	270.27	2,791.88	21.47	-4,712.66	4,712.71	0.000	0.000	0.000	
7,800.00	93.69	270.27	2,785.45	21.94	-4,812.45	4,812.50	0.000	0.000	0.000	
7,900.00	93.69	270.27	2,779.02	22.42	-4,912.24	4,912.29	0.000	0.000	0.000	
8,000.00	93.69	270.27	2,772.59	22.89	-5,012.03	5,012.09	0.000	0.000	0.000	
8,100.00	93.69	270.27	2,766.16	23.37	-5,111.83	5,111.88	0.000	0.000	0.000	
8,200.00	93.69	270.27	2,759.73	23.84	-5,211.62	5,211.67	0.000	0.000	0.000	
8,300.00	93.69	270.27	2,753.30	24.32	-5,311.41	5,311.47	0.000	0.000	0.000	
8,400.00	93.69	270.27	2,746.87	24.79	-5,411.20	5,411.26	0.000	0.000	0.000	



Aim Directional Services, LLC

Planning Report



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Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	Well @ 3337.75usft (18.75' KB)
Site:	Shudde 27 102H	North Reference:	Grid
Well:	102H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Planning		
Design:	Plan 0.6		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,500.00	93.69	270.27	2,740.44	25.27	-5,510.99	5,511.05	0.000	0.000	0.000
8,600.00	93.69	270.27	2,734.02	25.74	-5,610.79	5,610.85	0.000	0.000	0.000
8,615.80	93.69	270.27	2,733.00	25.82	-5,626.55	5,626.61	0.000	0.000	0.000
PBHL									

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									
LTP/BHL - Shudde 27	0.00	360.00	2,733.00	25.82	-5,626.55	626,912.44	527,561.06	32° 43' 24.290 N	104° 22' 41.270 W
- plan hits target center									
- Point									
FTP - Shudde 27 102H	0.00	0.00	3,061.00	1.58	-535.15	626,888.20	532,652.46	32° 43' 24.068 N	104° 21' 41.669 W
- plan hits target center									
- Point									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
1,201.75	1,200.00	Casing	9-5/8	12-1/4	

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
500.00	500.00	0.00	0.00	Build: 1°/100
1,286.31	1,283.84	-0.46	53.87	Hold: 7.86° Inc, 90.49° Azm
2,348.30	2,335.84	-1.71	199.15	KOP: 10°/100' @ 2348.30' MD
3,026.93	2,910.42	-0.58	-81.94	Hold 150'
3,176.93	2,985.42	0.04	-211.84	Build: 10°/100
3,513.78	3,061.00	1.58	-535.15	LP: 3513.78' MD, 93.69° Inc, 270.27° Azm
8,615.80	2,733.00	25.82	-5,626.55	PBHL

Silverback Operating II, LLC
Shudde 27 #102H
30-015-49493

Pilot Hole Formation Tops

Blindbry: 3240'

Tubb: 4900'

Abo: 5130'

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 105658

CONDITIONS

Operator: Silverback Operating II, LLC IH10 West, Suite 201 San Antonio, TX 78257	OGRID: 330968
	Action Number: 105658
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Adhere to previous NMOCD Conditions of Approval	5/13/2022
kpickford	Note and adhere to changes to plugging plan	5/16/2022