

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Silverback Operating II, LLC IH 10 West, Suite 201 San Antonio, TX 78257		² OGRID Number 330968
		³ Reason for Filing Code/ Effective Date NW-05/07/2023
⁴ API Number 30-015-50076	⁵ Pool Name ATOKA;GLORIETA-YESO	⁶ Pool Code 3250
⁷ Property Code 333447	⁸ Property Name MARGARET	⁹ Well Number 102H

II. ¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
P	22	18-S	26-E		1095	S	238	E	EDDY

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	23	18-S	26-E	P	622	S	100	E	EDDY
¹² Lse Code P	¹³ Producing Method Code P	¹⁴ Gas Connection Date		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date	

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
237722	CENTURION PIPELINE L.P.	O
221115	FRONTIER FIELD SERVICES, LLC	G
36785	DCP OPERATING COMPANY LP	G

IV. Well Completion Data

²¹ Spud Date 3/2/2023	²² Ready Date 5/7/2023	²³ TD 8724	²⁴ PBTD 8688'	²⁵ Perforations 3666' - 8668'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	
12.25"		9.625"		1260'	
8.75"		7"		3396'	
8.75"		5.5"		8719'	

V. Well Test Data

³¹ Date New Oil 05/31/2023	³² Gas Delivery Date 05/31/2023	³³ Test Date 06/06/2023	³⁴ Test Length 24	³⁵ Tbg. Pressure 174	³⁶ Csg. Pressure 27
³⁷ Choke Size 64	³⁸ Oil 139	³⁹ Water 3494	⁴⁰ Gas 106		⁴¹ Test Method ESP
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Fatma Abdallah</i>			OIL CONSERVATION DIVISION Approved by: <i>PATRICIA MARTINEZ</i> Title: <i>PETROLEUM SPECIALIST</i> Approval Date: <i>5/23/2024</i>		
Printed name: Fatma Abdallah					
Title: Regulatory Manager					
E-mail Address: fabdallah@silverbackexp.com					
Date: 03/05/2024		Phone: 210-585-3316			

District I

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

District II

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

District III

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

District IV

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

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

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-50076	² Pool Code 3250	³ Pool Name ATOKA;GLORIETA-YESO
⁴ Property Code 333447	⁵ Property Name MARGARET	⁶ Well Number 102H
⁷ OGRID No. 330968	⁸ Operator Name SILVERBACK OPERATING II, LLC	⁹ Elevation 3,318'

¹⁰ Surface Location

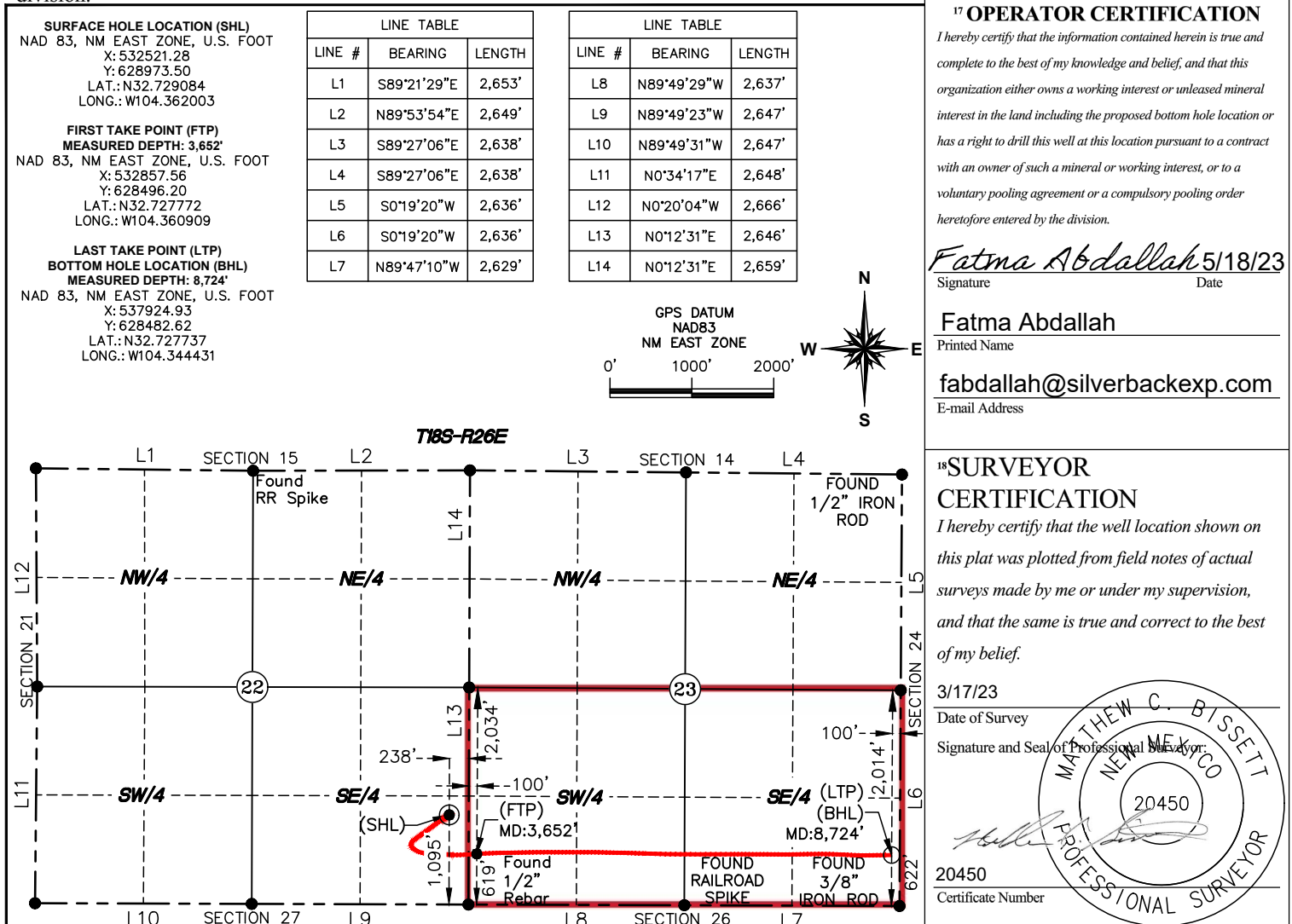
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	22	18-S	26-E		1,095'	SOUTH	238'	EAST	EDDY

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
P	23	18-S	26-E		622'	SOUTH	100'	EAST	EDDY

¹² Dedicated Acres 320	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.

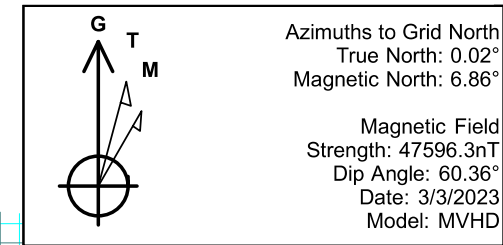




**Margaret 102H
Eddy County, NM (NAD 83 NME)
Job No. WT-23-059
Lateral 1r3**



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



Aim Directional Services
Survey Report

Company:	Silverback Exploration	Local Co-ordinate Reference:	Well Margaret 102H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	Well @ 3331.00usft (14'KB)
Site:	Margaret 102H	MD Reference:	Well @ 3331.00usft (14'KB)
Well:	Margaret 102H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.17-Aim-DB

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	Margaret 102H			
Site Position:		Northing:	628,973.50 usft	Latitude: 32.72908
From:	Map	Easting:	532,521.28 usft	Longitude: -104.36201
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	

Well	Margaret 102H			
Well Position	+N/-S	0.00 usft	Northing:	628,973.50 usft
	+E/-W	0.00 usft	Easting:	532,521.28 usft
Position Uncertainty	0.00 usft		Wellhead Elevation:	usft
Grid Convergence:	-0.02 °		Ground Level:	3,317.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	3/3/2023	6.84	60.36	47,596.32159973

Design	Surveys				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	90.37	

Survey Program	Date	3/12/2023			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
165.00	8,724.00	Aim MWD Surveys (OH)	MWD+HRGM	OWSG MWD + HRGM	

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	0.000	0.000	0.000	
165.00	0.75	131.16	165.00	-0.71	0.81	0.82	0.455	0.455	0.000	
First Aim Svy										
196.00	0.66	123.69	195.99	-0.94	1.11	1.12	0.414	-0.290	-24.097	
227.00	0.75	111.65	226.99	-1.12	1.45	1.46	0.558	0.290	-38.839	
257.00	0.79	95.91	256.99	-1.21	1.84	1.85	0.715	0.133	-52.467	
288.00	0.88	81.94	287.98	-1.20	2.29	2.30	0.716	0.290	-45.065	
318.00	0.97	72.97	317.98	-1.09	2.76	2.77	0.567	0.300	-29.900	
348.00	0.97	62.69	347.98	-0.90	3.23	3.23	0.579	0.000	-34.267	
378.00	1.05	54.34	377.97	-0.63	3.68	3.68	0.558	0.267	-27.833	

Aim Directional Services

Survey Report

Company:	Silverback Exploration	Local Co-ordinate Reference:	Well Margaret 102H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	Well @ 3331.00usft (14'KB)
Site:	Margaret 102H	MD Reference:	Well @ 3331.00usft (14'KB)
Well:	Margaret 102H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.17-Aim-DB

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)
409.00	0.84	54.17	408.97	-0.33	4.09	4.09	0.677	-0.677	-0.548
440.00	0.40	51.62	439.97	-0.13	4.36	4.36	1.422	-1.419	-8.226
471.00	0.53	245.68	470.97	-0.12	4.31	4.32	2.978	0.419	-535.290
501.00	1.85	236.36	500.96	-0.44	3.78	3.79	4.433	4.400	-31.067
531.00	3.47	234.08	530.92	-1.24	2.65	2.65	5.410	5.400	-7.600
561.00	4.79	236.01	560.85	-2.48	0.87	0.89	4.424	4.400	6.433
592.00	6.07	236.63	591.71	-4.10	-1.57	-1.54	4.133	4.129	2.000
623.00	6.95	236.80	622.51	-6.03	-4.51	-4.47	2.839	2.839	0.548
654.00	7.74	236.89	653.25	-8.20	-7.83	-7.77	2.549	2.548	0.290
684.00	8.48	235.22	682.95	-10.56	-11.33	-11.27	2.588	2.467	-5.567
714.00	9.32	234.78	712.59	-13.23	-15.14	-15.05	2.809	2.800	-1.467
744.00	10.33	234.87	742.15	-16.18	-19.32	-19.22	3.367	3.367	0.300
775.00	11.47	235.13	772.59	-19.54	-24.12	-24.00	3.681	3.677	0.839
806.00	13.23	235.31	802.87	-23.32	-29.57	-29.42	5.679	5.677	0.581
837.00	14.90	236.01	832.94	-27.57	-35.79	-35.61	5.415	5.387	2.258
868.00	16.18	236.10	862.81	-32.20	-42.68	-42.47	4.130	4.129	0.290
899.00	17.10	236.27	892.51	-37.14	-50.06	-49.82	2.972	2.968	0.548
930.00	17.80	236.36	922.08	-42.30	-57.79	-57.52	2.260	2.258	0.290
960.00	18.15	236.36	950.62	-47.43	-65.50	-65.19	1.167	1.167	0.000
991.00	18.42	236.45	980.05	-52.81	-73.60	-73.26	0.876	0.871	0.290
1,022.00	18.46	236.36	1,009.46	-58.23	-81.77	-81.39	0.158	0.129	-0.290
1,053.00	18.51	236.71	1,038.86	-63.65	-89.97	-89.55	0.393	0.161	1.129
1,084.00	18.42	236.80	1,068.27	-69.04	-98.18	-97.73	0.305	-0.290	0.290
1,115.00	18.81	236.63	1,097.64	-74.47	-106.45	-105.97	1.270	1.258	-0.548
1,199.00	20.88	236.80	1,176.65	-90.12	-130.29	-129.70	2.465	2.464	0.202
1,280.00	20.88	237.31	1,252.33	-105.82	-154.52	-153.83	0.224	0.000	0.630
1,324.00	21.54	234.76	1,293.35	-114.71	-167.71	-166.97	2.578	1.500	-5.795
1,369.00	21.85	234.15	1,335.16	-124.38	-181.25	-180.44	0.852	0.689	-1.356
1,414.00	21.93	233.97	1,376.92	-134.23	-194.83	-193.96	0.232	0.178	-0.400
1,458.00	21.89	234.15	1,417.74	-143.87	-208.12	-207.19	0.178	-0.091	0.409
1,503.00	21.80	233.79	1,459.51	-153.71	-221.66	-220.67	0.359	-0.200	-0.800
1,548.00	21.76	233.97	1,501.30	-163.56	-235.15	-234.09	0.173	-0.089	0.400
1,593.00	21.67	233.88	1,543.10	-173.36	-248.61	-247.48	0.213	-0.200	-0.200
1,637.00	21.63	233.97	1,584.00	-182.92	-261.73	-260.54	0.118	-0.091	0.205
1,682.00	21.41	233.71	1,625.86	-192.66	-275.06	-273.81	0.533	-0.489	-0.578
1,727.00	21.45	234.23	1,667.75	-202.33	-288.35	-287.04	0.431	0.089	1.156
1,772.00	21.27	233.71	1,709.66	-211.97	-301.61	-300.23	0.581	-0.400	-1.156
1,816.00	21.19	233.88	1,750.68	-221.38	-314.46	-313.03	0.229	-0.182	0.386
1,861.00	21.14	234.06	1,792.64	-230.94	-327.60	-326.11	0.182	-0.111	0.400
1,906.00	21.01	233.53	1,834.63	-240.50	-340.66	-339.10	0.513	-0.289	-1.178
1,950.00	20.92	233.62	1,875.72	-249.84	-353.33	-351.71	0.217	-0.205	0.205
1,995.00	20.84	233.97	1,917.76	-259.32	-366.27	-364.59	0.329	-0.178	0.778
2,040.00	20.92	233.97	1,959.81	-268.75	-379.24	-377.50	0.178	0.178	0.000

Aim Directional Services

Survey Report

Company:	Silverback Exploration	Local Co-ordinate Reference:	Well Margaret 102H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	Well @ 3331.00usft (14'KB)
Site:	Margaret 102H	MD Reference:	Well @ 3331.00usft (14'KB)
Well:	Margaret 102H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.17-Aim-DB

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)	
2,085.00	20.62	233.62	2,001.88	-278.18	-392.12	-390.31	0.721	-0.667	-0.778	
2,129.00	20.57	233.62	2,043.07	-287.36	-404.58	-402.71	0.114	-0.114	0.000	
2,174.00	20.62	233.97	2,085.19	-296.71	-417.35	-415.43	0.295	0.111	0.778	
2,218.00	21.01	234.67	2,126.32	-305.83	-430.05	-428.07	1.051	0.886	1.591	
2,263.00	20.22	232.39	2,168.44	-315.24	-442.79	-440.75	2.503	-1.756	-5.067	
2,308.00	17.45	224.57	2,211.03	-324.79	-453.69	-451.59	8.316	-6.156	-17.378	
2,352.00	16.04	211.82	2,253.18	-334.66	-461.53	-459.36	8.921	-3.205	-28.977	
2,397.00	16.09	197.93	2,296.44	-345.88	-466.73	-464.49	8.523	0.111	-30.867	
2,441.00	16.44	183.70	2,338.70	-357.90	-469.01	-466.69	9.071	0.795	-32.341	
2,486.00	16.97	169.72	2,381.81	-370.72	-468.25	-465.85	8.986	1.178	-31.067	
2,552.00	18.24	149.33	2,444.78	-389.10	-461.25	-458.73	9.490	1.924	-30.894	
2,597.00	20.53	138.26	2,487.24	-401.05	-452.40	-449.81	9.600	5.089	-24.600	
2,641.00	22.95	129.99	2,528.12	-412.33	-440.69	-438.02	8.860	5.500	-18.795	
2,686.00	26.33	124.99	2,569.02	-423.69	-425.79	-423.04	8.819	7.511	-11.111	
2,731.00	29.63	120.06	2,608.76	-434.99	-407.98	-405.16	8.950	7.333	-10.956	
2,776.00	32.53	114.88	2,647.30	-445.66	-387.36	-384.48	8.761	6.444	-11.511	
2,820.00	33.76	108.20	2,684.16	-454.46	-365.01	-362.07	8.755	2.795	-15.182	
2,865.00	36.18	102.75	2,721.04	-461.30	-340.17	-337.18	8.777	5.378	-12.111	
2,910.00	40.13	99.15	2,756.42	-466.54	-312.88	-309.86	10.070	8.778	-8.000	
2,955.00	44.48	96.33	2,789.70	-470.58	-282.88	-279.83	10.545	9.667	-6.267	
3,000.00	49.05	94.93	2,820.51	-473.78	-250.26	-247.19	10.405	10.156	-3.111	
3,044.00	53.01	93.70	2,848.18	-476.35	-216.15	-213.07	9.258	9.000	-2.795	
3,089.00	56.84	92.99	2,874.04	-478.49	-179.40	-176.30	8.608	8.511	-1.578	
3,120.00	59.60	92.20	2,890.36	-479.68	-153.07	-149.97	9.163	8.903	-2.548	
3,134.00	59.91	92.38	2,897.41	-480.16	-140.99	-137.89	2.477	2.214	1.286	
3,155.00	60.40	91.94	2,907.86	-480.85	-122.79	-119.68	2.958	2.333	-2.095	
3,179.00	60.62	92.47	2,919.68	-481.65	-101.91	-98.80	2.130	0.917	2.208	
3,200.00	60.88	92.20	2,929.94	-482.40	-83.61	-80.49	1.671	1.238	-1.286	
3,223.00	61.10	92.73	2,941.09	-483.27	-63.51	-60.39	2.231	0.957	2.304	
3,245.00	61.27	92.47	2,951.70	-484.14	-44.25	-41.13	1.292	0.773	-1.182	
3,268.00	61.45	93.08	2,962.72	-485.12	-24.09	-20.96	2.456	0.783	2.652	
3,290.00	61.58	92.64	2,973.21	-486.08	-4.78	-1.64	1.855	0.591	-2.000	
3,313.00	61.80	93.43	2,984.12	-487.16	15.44	18.59	3.172	0.957	3.435	
3,334.00	62.15	92.99	2,993.99	-488.19	33.95	37.10	2.490	1.667	-2.095	
3,349.00	62.42	92.29	3,000.96	-488.80	47.21	50.37	4.506	1.800	-4.667	
3,358.00	62.42	92.38	3,005.13	-489.13	55.19	58.34	0.886	0.000	1.000	
3,402.00	64.35	89.39	3,024.85	-489.73	94.51	97.67	7.493	4.386	-6.795	
3,447.00	68.44	87.81	3,042.86	-488.71	135.72	138.88	9.641	9.089	-3.511	
3,492.00	73.45	86.75	3,057.55	-486.69	178.19	181.33	11.354	11.133	-2.356	
3,536.00	78.51	86.49	3,068.21	-484.17	220.80	223.92	11.514	11.500	-0.591	
3,581.00	83.74	86.58	3,075.15	-481.49	265.16	268.26	11.624	11.622	0.200	
3,626.00	87.38	86.66	3,078.63	-478.84	309.94	313.02	8.091	8.089	0.178	
3,670.00	88.09	86.66	3,080.37	-476.28	353.83	356.90	1.614	1.614	0.000	

Aim Directional Services

Survey Report

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Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	Well @ 3331.00usft (14'KB)
Site:	Margaret 102H	MD Reference:	Well @ 3331.00usft (14'KB)
Well:	Margaret 102H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.17-Aim-DB

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)
3,715.00	88.53	86.58	3,081.69	-473.63	398.73	401.78	0.994	0.978	-0.178
3,760.00	88.26	87.10	3,082.96	-471.15	443.65	446.68	1.302	-0.600	1.156
3,805.00	87.96	87.63	3,084.44	-469.08	488.57	491.59	1.353	-0.667	1.178
3,849.00	88.44	87.90	3,085.82	-467.37	532.52	535.52	1.252	1.091	0.614
3,894.00	87.25	88.77	3,087.51	-466.06	577.47	580.46	3.275	-2.644	1.933
3,938.00	87.69	89.04	3,089.46	-465.22	621.41	624.41	1.173	1.000	0.614
3,983.00	88.09	88.95	3,091.11	-464.43	666.38	669.36	0.911	0.889	-0.200
4,028.00	86.68	88.95	3,093.17	-463.61	711.32	714.30	3.133	-3.133	0.000
4,072.00	86.90	89.04	3,095.63	-462.84	755.25	758.22	0.540	0.500	0.205
4,117.00	87.08	88.86	3,097.99	-462.01	800.18	803.14	0.565	0.400	-0.400
4,162.00	87.16	88.77	3,100.25	-461.08	845.11	848.07	0.267	0.178	-0.200
4,207.00	87.69	88.77	3,102.28	-460.12	890.05	893.01	1.178	1.178	0.000
4,251.00	87.91	88.95	3,103.96	-459.24	934.01	936.96	0.646	0.500	0.409
4,296.00	88.09	89.04	3,105.53	-458.45	978.98	981.92	0.447	0.400	0.200
4,341.00	88.62	89.13	3,106.83	-457.74	1,023.95	1,026.89	1.195	1.178	0.200
4,386.00	88.92	89.04	3,107.79	-457.02	1,068.94	1,071.87	0.696	0.667	-0.200
4,431.00	87.91	89.57	3,109.04	-456.47	1,113.92	1,116.84	2.534	-2.244	1.178
4,475.00	87.91	89.74	3,110.64	-456.21	1,157.89	1,160.81	0.386	0.000	0.386
4,520.00	87.34	90.09	3,112.51	-456.14	1,202.85	1,205.77	1.486	-1.267	0.778
4,565.00	87.56	90.27	3,114.51	-456.28	1,247.80	1,250.72	0.631	0.489	0.400
4,609.00	87.96	90.27	3,116.23	-456.49	1,291.77	1,294.69	0.909	0.909	0.000
4,654.00	88.26	90.18	3,117.71	-456.67	1,336.74	1,339.66	0.696	0.667	-0.200
4,699.00	87.16	90.00	3,119.51	-456.74	1,381.71	1,384.63	2.477	-2.444	-0.400
4,743.00	86.99	89.92	3,121.76	-456.71	1,425.65	1,428.57	0.427	-0.386	-0.182
4,788.00	87.47	89.92	3,123.93	-456.64	1,470.60	1,473.51	1.067	1.067	0.000
4,832.00	87.74	89.83	3,125.77	-456.55	1,514.56	1,517.47	0.647	0.614	-0.205
4,877.00	88.22	89.92	3,127.36	-456.45	1,559.53	1,562.45	1.085	1.067	0.200
4,922.00	88.79	89.92	3,128.53	-456.39	1,604.51	1,607.43	1.267	1.267	0.000
4,967.00	88.22	90.27	3,129.70	-456.46	1,649.50	1,652.41	1.486	-1.267	0.778
5,011.00	87.78	89.92	3,131.24	-456.53	1,693.47	1,696.38	1.277	-1.000	-0.795
5,056.00	88.09	89.74	3,132.86	-456.40	1,738.44	1,741.35	0.796	0.689	-0.400
5,101.00	88.35	90.53	3,134.26	-456.51	1,783.42	1,786.33	1.847	0.578	1.756
5,145.00	88.35	91.59	3,135.53	-457.32	1,827.39	1,830.31	2.408	0.000	2.409
5,190.00	88.75	91.59	3,136.66	-458.57	1,872.36	1,875.28	0.889	0.889	0.000
5,235.00	87.12	91.24	3,138.29	-459.68	1,917.32	1,920.25	3.705	-3.622	-0.778
5,280.00	87.38	91.15	3,140.44	-460.62	1,962.26	1,965.19	0.611	0.578	-0.200
5,324.00	88.00	91.06	3,142.22	-461.46	2,006.21	2,009.15	1.424	1.409	-0.205
5,369.00	88.92	91.06	3,143.43	-462.30	2,051.19	2,054.13	2.044	2.044	0.000
5,414.00	89.10	91.32	3,144.21	-463.23	2,096.17	2,099.12	0.703	0.400	0.578
5,458.00	88.22	91.59	3,145.23	-464.35	2,140.14	2,143.10	2.092	-2.000	0.614
5,503.00	88.62	91.41	3,146.47	-465.52	2,185.11	2,188.07	0.975	0.889	-0.400
5,548.00	87.38	91.94	3,148.05	-466.84	2,230.06	2,233.03	2.996	-2.756	1.178
5,592.00	87.56	91.85	3,149.99	-468.29	2,274.00	2,276.97	0.457	0.409	-0.205
5,637.00	87.96	91.76	3,151.75	-469.71	2,318.94	2,321.92	0.911	0.889	-0.200

Aim Directional Services

Survey Report

Company:	Silverback Exploration	Local Co-ordinate Reference:	Well Margaret 102H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	Well @ 3331.00usft (14'KB)
Site:	Margaret 102H	MD Reference:	Well @ 3331.00usft (14'KB)
Well:	Margaret 102H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.17-Aim-DB

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)
5,682.00	87.34	91.67	3,153.59	-471.05	2,363.88	2,366.87	1.392	-1.378	-0.200
5,713.00	86.73	91.76	3,155.20	-471.98	2,394.83	2,397.82	1.989	-1.968	0.290
5,775.00	87.08	91.85	3,158.54	-473.93	2,456.70	2,459.71	0.583	0.565	0.145
5,838.00	87.69	91.85	3,161.42	-475.96	2,519.61	2,522.63	0.968	0.968	0.000
5,898.00	88.13	91.76	3,163.60	-477.85	2,579.54	2,582.57	0.748	0.733	-0.150
5,960.00	87.03	90.71	3,166.22	-479.19	2,641.46	2,644.50	2.452	-1.774	-1.694
6,020.00	87.47	90.44	3,169.10	-479.79	2,701.39	2,704.43	0.860	0.733	-0.450
6,081.00	88.00	90.27	3,171.51	-480.17	2,762.34	2,765.39	0.912	0.869	-0.279
6,142.00	88.53	90.27	3,173.36	-480.45	2,823.31	2,826.36	0.869	0.869	0.000
6,203.00	89.41	90.44	3,174.46	-480.83	2,884.30	2,887.35	1.469	1.443	0.279
6,265.00	87.87	90.09	3,175.93	-481.12	2,946.28	2,949.33	2.547	-2.484	-0.565
6,325.00	87.08	90.09	3,178.57	-481.21	3,006.22	3,009.27	1.317	-1.317	0.000
6,386.00	87.21	89.92	3,181.61	-481.22	3,067.15	3,070.19	0.351	0.213	-0.279
6,448.00	87.65	89.92	3,184.39	-481.13	3,129.09	3,132.13	0.710	0.710	0.000
6,510.00	88.09	89.92	3,186.69	-481.04	3,191.04	3,194.08	0.710	0.710	0.000
6,572.00	88.62	90.00	3,188.47	-481.00	3,253.02	3,256.06	0.865	0.855	0.129
6,633.00	89.27	90.18	3,189.60	-481.10	3,314.01	3,317.04	1.106	1.066	0.295
6,695.00	88.31	90.00	3,190.91	-481.19	3,375.99	3,379.03	1.575	-1.548	-0.290
6,757.00	88.44	89.83	3,192.66	-481.10	3,437.97	3,441.00	0.345	0.210	-0.274
6,801.00	88.88	89.83	3,193.69	-480.97	3,481.95	3,484.99	1.000	1.000	0.000
6,846.00	89.45	89.92	3,194.35	-480.87	3,526.95	3,529.98	1.282	1.267	0.200
6,891.00	89.36	90.09	3,194.82	-480.88	3,571.95	3,574.98	0.427	-0.200	0.378
6,935.00	88.66	90.27	3,195.58	-481.02	3,615.94	3,618.97	1.643	-1.591	0.409
6,980.00	87.87	90.18	3,196.94	-481.19	3,660.92	3,663.95	1.767	-1.756	-0.200
7,025.00	87.25	90.09	3,198.85	-481.30	3,705.88	3,708.91	1.392	-1.378	-0.200
7,069.00	87.47	90.09	3,200.88	-481.37	3,749.83	3,752.86	0.500	0.500	0.000
7,114.00	88.04	90.18	3,202.64	-481.47	3,794.80	3,797.83	1.282	1.267	0.200
7,159.00	88.35	90.36	3,204.06	-481.68	3,839.77	3,842.80	0.796	0.689	0.400
7,204.00	88.70	90.44	3,205.22	-482.00	3,884.76	3,887.79	0.798	0.778	0.178
7,248.00	88.75	90.27	3,206.20	-482.27	3,928.74	3,931.78	0.403	0.114	-0.386
7,293.00	88.92	90.27	3,207.11	-482.48	3,973.73	3,976.77	0.378	0.378	0.000
7,337.00	89.05	90.27	3,207.89	-482.69	4,017.73	4,020.76	0.295	0.295	0.000
7,382.00	89.41	90.36	3,208.50	-482.94	4,062.72	4,065.76	0.825	0.800	0.200
7,427.00	88.48	90.00	3,209.33	-483.08	4,107.71	4,110.75	2.216	-2.067	-0.800
7,471.00	87.82	89.74	3,210.75	-482.98	4,151.69	4,154.72	1.612	-1.500	-0.591
7,516.00	87.87	89.57	3,212.44	-482.71	4,196.66	4,199.69	0.394	0.111	-0.378
7,560.00	88.13	89.39	3,213.97	-482.31	4,240.63	4,243.66	0.719	0.591	-0.409
7,605.00	88.48	89.13	3,215.31	-481.73	4,285.61	4,288.63	0.969	0.778	-0.578
7,650.00	88.00	89.13	3,216.69	-481.05	4,330.58	4,333.60	1.067	-1.067	0.000
7,694.00	87.38	88.86	3,218.46	-480.27	4,374.54	4,377.55	1.537	-1.409	-0.614
7,739.00	87.16	89.21	3,220.60	-479.52	4,419.48	4,422.48	0.918	-0.489	0.778
7,784.00	86.81	89.39	3,222.97	-478.97	4,464.41	4,467.41	0.874	-0.778	0.400
7,828.00	86.95	89.57	3,225.37	-478.57	4,508.35	4,511.34	0.518	0.318	0.409

Aim Directional Services
Survey Report

Company:	Silverback Exploration	Local Co-ordinate Reference:	Well Margaret 102H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	Well @ 3331.00usft (14'KB)
Site:	Margaret 102H	MD Reference:	Well @ 3331.00usft (14'KB)
Well:	Margaret 102H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.17-Aim-DB

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)
7,873.00	87.08	90.27	3,227.71	-478.51	4,553.28	4,556.28	1.580	0.289	1.556
7,918.00	87.34	90.44	3,229.90	-478.79	4,598.23	4,601.23	0.690	0.578	0.378
7,962.00	87.60	91.32	3,231.84	-479.46	4,642.18	4,645.18	2.084	0.591	2.000
8,007.00	88.31	92.03	3,233.45	-480.78	4,687.13	4,690.14	2.231	1.578	1.578
8,052.00	88.84	92.38	3,234.57	-482.51	4,732.09	4,735.10	1.411	1.178	0.778
8,096.00	89.45	92.20	3,235.22	-484.26	4,776.05	4,779.07	1.445	1.386	-0.409
8,141.00	90.11	92.64	3,235.40	-486.16	4,821.01	4,824.04	1.763	1.467	0.978
8,185.00	90.86	92.90	3,235.02	-488.29	4,864.95	4,868.00	1.804	1.705	0.591
8,229.00	91.12	92.82	3,234.26	-490.49	4,908.89	4,911.96	0.618	0.591	-0.182
8,274.00	89.89	91.59	3,233.87	-492.22	4,953.85	4,956.93	3.865	-2.733	-2.733
8,318.00	88.40	90.97	3,234.52	-493.20	4,997.84	5,000.92	3.668	-3.386	-1.409
8,363.00	88.53	90.53	3,235.73	-493.79	5,042.82	5,045.90	1.019	0.289	-0.978
8,408.00	86.95	89.74	3,237.50	-493.89	5,087.78	5,090.86	3.925	-3.511	-1.756
8,452.00	87.60	89.57	3,239.60	-493.63	5,131.73	5,134.81	1.527	1.477	-0.386
8,497.00	88.26	89.48	3,241.22	-493.26	5,176.70	5,179.77	1.480	1.467	-0.200
8,542.00	88.92	89.48	3,242.33	-492.85	5,221.68	5,224.76	1.467	1.467	0.000
8,586.00	89.54	89.48	3,242.92	-492.45	5,265.68	5,268.75	1.409	1.409	0.000
8,630.00	90.33	89.39	3,242.97	-492.02	5,309.67	5,312.74	1.807	1.795	-0.205
8,647.00	90.64	89.30	3,242.83	-491.82	5,326.67	5,329.74	1.899	1.824	-0.529
Last Aim Svy									
8,724.00	90.64	89.30	3,241.97	-490.88	5,403.66	5,406.72	0.000	0.000	0.000
Proj to BHL									

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
165.00	165.00	-0.71	0.81	First Aim Svy	
8,647.00	3,242.83	-491.82	5,326.67	Last Aim Svy	
8,724.00	3,241.97	-490.88	5,403.66	Proj to BHL	

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	Form C-103 August 1, 2011 Permit 339789 WELL API NUMBER 30-015-50076 5. Indicate Type of Lease Private 6. State Oil & Gas Lease No. 7. Lease Name or Unit Agreement Name MARGARET																																								
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.)																																										
1. Type of Well: Oil		8. Well Number 102H																																								
2. Name of Operator Silverback Operating II, LLC		9. OGRID Number 330968																																								
3. Address of Operator 19707 IH10 West Suite 201, San Antonio, TX 78256		10. Pool name or Wildcat																																								
4. Well Location Unit Letter <u>P</u> : <u>1095</u> feet from the <u>S</u> line and feet <u>238</u> from the <u>E</u> line Section <u>22</u> Township <u>18S</u> Range <u>26E</u> NMPM County <u>Eddy</u>																																										
11. Elevation (Show whether DR, KB, BT, GR, etc.) 3302 GR																																										
Pit or Below-grade Tank Application ☐ or Closure ☐ Pit Type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____ Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____																																										
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data <table style="width:100%;"> <tr> <td colspan="2">NOTICE OF INTENTION TO:</td> <td colspan="2">SUBSEQUENT REPORT OF:</td> </tr> <tr> <td>PERFORM REMEDIAL WORK ☐</td> <td>PLUG AND ABANDON ☐</td> <td>REMEDIAL WORK ☐</td> <td>ALTER CASING ☐</td> </tr> <tr> <td>TEMPORARILY ABANDON ☐</td> <td>CHANGE OF PLANS ☐</td> <td>COMMENCE DRILLING OPNS. ☐</td> <td>PLUG AND ABANDON ☐</td> </tr> <tr> <td>PULL OR ALTER CASING ☐</td> <td>MULTIPLE COMPL ☐</td> <td>CASING/CEMENT JOB ☐</td> <td></td> </tr> <tr> <td colspan="2">Other: _____</td> <td colspan="2">Other: Perforations/Tubing ☒</td> </tr> </table>			NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:		PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTER CASING ☐	TEMPORARILY ABANDON ☐	CHANGE OF PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDON ☐	PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐		Other: _____		Other: Perforations/Tubing ☒																					
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Other: _____		Other: Perforations/Tubing ☒																																								
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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion. Perforations/Tubing 4/15/2023 - 4/20/2023 Perforations Pool: ATOKA; GLORIETA-YESO , 3250 Location: M -23-18S-26E 327 S 100 W <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>TOP</th> <th>BOT</th> <th>Open Hole</th> <th>Shots/ft</th> <th>Shot Size</th> <th>Material</th> <th>Stimulation</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>3666</td> <td>8668</td> <td>N</td> <td>6</td> <td>0.42</td> <td>SlickWater</td> <td>Frac</td> <td>309030</td> </tr> <tr> <td>3666</td> <td>8668</td> <td>N</td> <td>6</td> <td>0.42</td> <td></td> <td>Acid</td> <td>63672</td> </tr> <tr> <td>3666</td> <td>8668</td> <td>N</td> <td>6</td> <td>0.42</td> <td>Sand</td> <td>Frac</td> <td>7523527</td> </tr> </tbody> </table> Tubing ATOKA;GLORIETA-YESO , 3250 <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Tubing Size</th> <th>Type</th> <th>Depth Set</th> <th>Packer Set</th> </tr> </thead> <tbody> <tr> <td>3.5</td> <td>J-55</td> <td>2241</td> <td>0</td> </tr> </tbody> </table>			TOP	BOT	Open Hole	Shots/ft	Shot Size	Material	Stimulation	Amount	3666	8668	N	6	0.42	SlickWater	Frac	309030	3666	8668	N	6	0.42		Acid	63672	3666	8668	N	6	0.42	Sand	Frac	7523527	Tubing Size	Type	Depth Set	Packer Set	3.5	J-55	2241	0
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I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐ .																																										
SIGNATURE <u>Electronically Signed</u>		TITLE <u>Chief Financial Officer</u>	DATE <u>5/19/2023</u>																																							
Type or print name <u>Matthew Alley</u>		E-mail address <u>malley@silverbackexp.com</u>	Telephone No. <u>303-513-0990</u>																																							
For State Use Only: APPROVED BY: _____ TITLE _____ DATE _____																																										

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised April 3, 2017					
1. WELL API NO. 30-015-50076								2. Type of Lease ☐ STATE ☒ FEE ☐ FED/INDIAN		
3. State Oil & Gas Lease No.								5. Lease Name or Unit Agreement Name MARGARET		
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								6. Well Number: 102H		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____										
8. Name of Operator Silverback Operating II, LLC						9. OGRID 330968				
10. Address of Operator IH 10 West, Suite 201 San Antonio, TX 78257						11. Pool name or Wildcat ATOKA; GLORIETA-YESO				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	P	22	18S	26E		1095	S	238	E	EDDY
BH:	P	23	18S	26E		622	S	100	E	EDDY
13. Date Spudded 03/2/2023	14. Date T.D. Reached 03/11/2023		15. Date Rig Released 03/14/2023		16. Date Completed (Ready to Produce) 05/07/2023			17. Elevations (DF and RKB, RT, GR, etc.) 3318' GR		
18. Total Measured Depth of Well 8724'			19. Plug Back Measured Depth 8688'		20. Was Directional Survey Made? Yes			21. Type Electric and Other Logs Run Gamma Ray		
22. Producing Interval(s), of this completion - Top, Bottom, Name 3666'-8668'								Paddock		
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
9.625"		36		1260'		12.25"		550 SX CI C		
7"		32		3396'		8.75"		160 SX CI C		
5.5"		20		8719'		8.75"		1600 SX CI C		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET			
					3.5	2241'				
26. Perforation record (interval, size, and number) 3666'-8668', 0.42, 30 stages						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						3666'-8668'		309030 bbls of slurry 63,672 bbls of acid		
								7523527 lbs of proppant sand		
28. PRODUCTION										
Date First Production 05/31/2023		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Pumping - ESP				Well Status (<i>Prod. or Shut-in</i>) Producing				
Date of Test 06/06/2023	Hours Tested 24 Hrs	Choke Size 64	Prod'n For Test Period	Oil - Bbl 139	Gas - MCF 106	Water - Bbl. 3494	Gas - Oil Ratio 763			
Flow Tubing Press. 174	Casing Pressure 27	Calculated 24-Hour Rate	Oil - Bbl. 139	Gas - MCF 106	Water - Bbl. 3494	Oil Gravity - API - (<i>Corr.</i>) 40.2				
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) Flared								30. Test Witnessed By		
31. List Attachments C-104, C-103 Drilling Cement, Directional Survey, C-102 As drilled, Wellbore Schematic.										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.								33. Rig Release Date: 03/14/2023		
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude _____ Longitude _____ NAD83										
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature <i>Fatma Abdallah</i>			Name Fatma Abdallah			Title Regulatory Manager			Date 03/27/2024	
E-mail Address fabdallah@silverbackexp.com										

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 1025	T. Simpson	T. Mancos	T. McCracken
T. Glorieta 2676	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock 2762	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T. Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....

No. 3, from.....to.....

No. 2, from.....to.....

No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
136	1025	883	Dolomite, Sandstone, Siltstone				
1025	2676	1541	Dolomite, Limestone				
2676	2762	75	Sandstone, Siltstone, Dolomite, Anhydritic Dolomite				
2762	8724		Dolomite, Anhydritic Dolomite				



Silverback Exploration II, LLC.

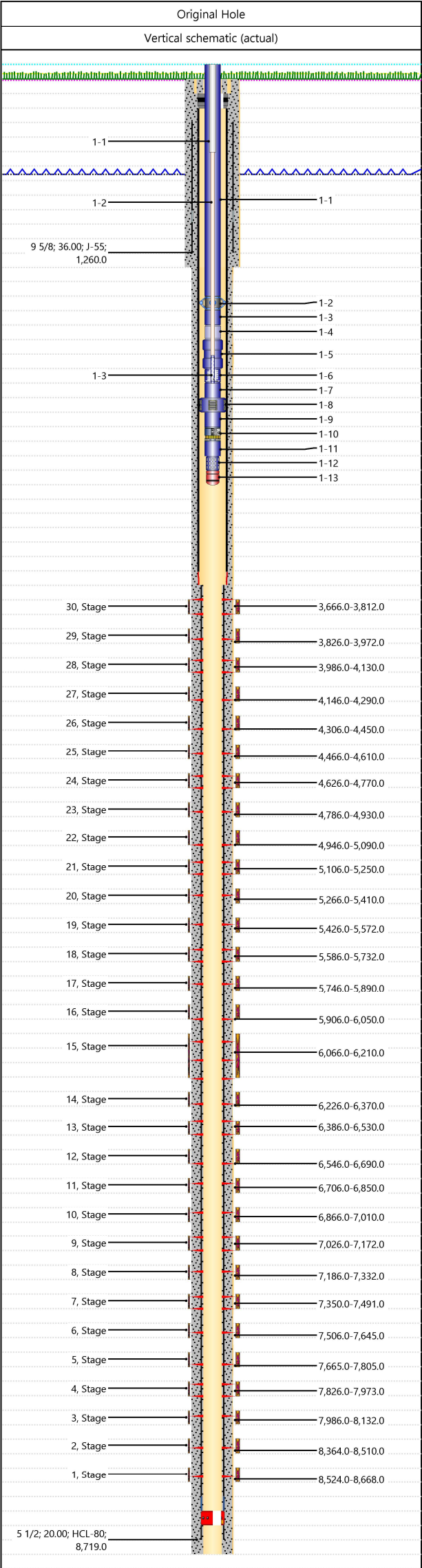
Downhole Well Profile - by Job with WBD

Well Name: Margaret 102H

WBD As of: 5/5/2023 06:00

API: 3001550076

API/UWI 3001550076	Surface Legal Location P-22-18S-26E, 1095 FSL, 238 FEL	Spud Date 3/2/2023 19:00	Rig Release Date 3/14/2023 06:00	County Eddy	State/Province New Mexico
Orig KB Elev (ft) 3,333.00	Ground Elevation (ft) 3,317.00	KB-Grd (ft) 16.00	KB-TH (ft) 15.36	Total Depth (All) Original Hole - 8,724.0	Total Depth All (TVD) Original Hole - 3,242.0



Jobs								
Job Category Completion		Primary Job Type New Frac		AFE Number 10081D	Start Date 4/3/2023 06:00	End Date 5/5/2023 06:00		
Wellhead Sections								
Des			Make		WP (psi)	WP Top (psi)		
7-1/16" 10K SSDII			Cameron SSDII		10,000.0	10,000.0		
11" 5K SSDII			Cameron SSDII		5,000.0	5,000.0		
Wellbore Sections								
Section Des		Size (in)		Top Depth (ftKB)		Btm Depth (ftKB)		
Surface		12 1/4		16.0		1,270.0		
Production		8 3/4		1,270.0		8,724.0		
Casing Strings								
Csg Des	Tapered String OD	Tapered String Dim				Set Depth (ftKB)		
Surface	9 5/8in	9 5/8in 36.00lb/ft J-55 BTC				1,260.0		
Production	7in/5 1/2in	7in 32.00lb/ft HCL-80 TCBC; 5 1/2in 20.00lb/ft HCL-80 PIXS				8,719.0		
Cement								
Des		Top (ftKB)	Btm (ftKB)	Amount (sacks)	Vol Pumped (bbl)	Eval Method		
Surface Casing Cement		16.0	1,270.0	550	209.0	Returns to Surface		
Production Casing Cement		16.0	8,724.0	1,760	398.0	Returns to Surface		
Tubing Strings								
Tubing Description Original PCP Installation			Run Date 5/3/2023		String Length (ft) 2,227.38	Set Depth (ftKB) 2,241.5		
Item #	OD (in)	Item Des		Wt (lb/ft)	Grade	Top (ftKB)	Len (ft)	
1-1	3 1/2	Tubing		10.20	J-55	14.1	2,118.11	
1-2	3 1/2	7" x 3-1/2" Mantl Centralizer				2,132.2	1.42	
1-3	3 1/2	Tubing		10.20	J-55	2,133.6	32.60	
1-4	3 1/2	3.5 Heavy walled sub				2,166.2	3.90	
1-5	4 1/2	4.5" x 4' Orbit Sub				2,170.1	3.50	
1-6	3 1/2	280-800 PCP Stator				2,173.6	38.95	
1-7	3 1/2	3 1/2" x 6' J-55 Sub			J-55	2,212.6	6.23	
1-8	5 7/8	7" CamLoc				2,218.8	2.00	
1-9	3 1/2	3 1/2" x 4' J-55 Sub			J-55	2,220.8	4.15	
1-10	3 1/2	3 1/2" x 7" Evo Gas Separator				2,225.0	3.33	
1-11	3 1/2	3 1/2" x 4' J-55 Sub			J-55	2,228.3	4.15	
1-12	2 7/8	2 7/8" Perf Subs		6.40	J-55	2,232.4	8.25	
1-13	2 7/8	Bull Plug				2,240.7	0.79	
Rod Strings								
Rod Description PCP Rod String		Run Date 5/4/2023		String Length (ft) 2,198.50		Set Depth (ftKB) 2,212.5		
Item #	Item Des		Make		OD (in)	Wt (lb/ft)	Grade	Len (ft)
1-1	1-1/2" x 36' x 1" Polished Rod		Norris		1 1/2			36.00
1-2	Continuous Sucker Rod		Corod		1	2.67	D	2,122.00
1-3	PCP Rotor				1			40.50
Stim/Frac Summary								
Start Date 4/15/2023		Type Frac - Sand	Int # 30	Vol Clean Total (bbl) 300,766.0		Vol Slurry Total (bbl) 309,030.0		Proppant Total (lb) 7,531,027.0
Perforations								
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Total Shots OR	Nom Hole Dia (in)	Phasing (°)	Linked Zone	
4/20/2023	3,666.0	3,812.0	6.0		0.420	60	Lower Paddock, Original Hole	
4/20/2023	3,826.0	3,972.0	6.0		0.420	60	Lower Paddock, Original Hole	
4/19/2023	3,986.0	4,130.0	6.0	60	0.420	60	Lower Paddock, Original Hole	
4/19/2023	4,146.0	4,290.0	6.0	60	0.420	60	Lower Paddock, Original Hole	
4/19/2023	4,306.0	4,450.0	6.0	60	0.420	60	Lower Paddock, Original Hole	
4/19/2023	4,466.0	4,610.0	6.0	60	0.420	60	Lower Paddock, Original Hole	
4/19/2023	4,626.0	4,770.0	6.0	60	0.420	60	Lower Paddock, Original Hole	
4/19/2023	4,786.0	4,930.0	6.0	60	0.420	60	Lower Paddock, Original Hole	
4/19/2023	4,946.0	5,090.0	6.0	60	0.420	60	Lower Paddock, Original Hole	
4/18/2023	5,106.0	5,250.0	6.0	60	0.420	60	Lower Paddock, Original Hole	
4/18/2023	5,266.0	5,410.0	6.0	60	0.420	60	Lower Paddock, Original Hole	
4/18/2023	5,426.0	5,572.0	6.0		0.420	60	Lower Paddock, Original Hole	
4/18/2023	5,586.0	5,732.0	6.0		0.420	60	Lower Paddock, Original Hole	
4/18/2023	5,746.0	5,890.0	6.0	60	0.420	60	Lower Paddock, Original Hole	
4/17/2023	5,906.0	6,050.0	6.0	60	0.420	60	Lower Paddock, Original Hole	
4/17/2023	6,066.0	6,210.0	6.0	60	0.420	60	Lower Paddock, Original Hole	
4/17/2023	6,226.0	6,370.0	6.0	60	0.420	60	Lower Paddock, Original Hole	
4/17/2023	6,386.0	6,530.0	6.0	60	0.420	60	Lower Paddock, Original Hole	
4/17/2023	6,546.0	6,690.0	6.0	60	0.420	60	Lower Paddock, Original Hole	
4/17/2023	6,706.0	6,850.0	6.0	60	0.420	60	Lower Paddock, Original Hole	
4/17/2023	6,866.0	7,010.0	6.0	60	0.420	60	Lower Paddock, Original Hole	
4/16/2023	7,026.0	7,172.0	6.0		0.420	60	Lower Paddock, Original Hole	
4/16/2023	7,186.0	7,332.0	6.0		0.420	60	Lower Paddock, Original Hole	
4/16/2023	7,350.0	7,491.0	6.0	60	0.420	60	Lower Paddock, Original Hole	
4/16/2023	7,506.0	7,645.0	6.0	60	0.420	60	Lower Paddock, Original Hole	
4/15/2023	7,665.0	7,805.0	6.0	60	0.420	60	Lower Paddock, Original Hole	
4/15/2023	7,826.0	7,973.0	6.0		0.420	60	Lower Paddock, Original Hole	
4/15/2023	7,986.0	8,132.0	6.0		0.420	60	Lower Paddock, Original Hole	
4/15/2023	8,364.0	8,510.0	6.0		0.420	60	Lower Paddock, Original Hole	
4/11/2023	8,524.0	8,668.0	6.0	48	0.420	60	Lower Paddock, Original Hole	

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	Form C-103 August 1, 2011 Permit 336347 WELL API NUMBER 30-015-50076 5. Indicate Type of Lease Private 6. State Oil & Gas Lease No. 7. Lease Name or Unit Agreement Name MARGARET																																																																																
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.)																																																																																		
1. Type of Well: Oil		8. Well Number 102H																																																																																
2. Name of Operator Silverback Operating II, LLC		9. OGRID Number 330968																																																																																
3. Address of Operator 19707 IH10 West Suite 201, San Antonio, TX 78256		10. Pool name or Wildcat																																																																																
4. Well Location Unit Letter <u>P</u> : <u>1095</u> feet from the <u>S</u> line and feet <u>238</u> from the <u>E</u> line Section <u>22</u> Township <u>18S</u> Range <u>26E</u> NMPM County <u>Eddy</u>																																																																																		
11. Elevation (Show whether DR, KB, BT, GR, etc.) 3302 GR																																																																																		
Pit or Below-grade Tank Application ☐ or Closure ☐ Pit Type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____ Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____																																																																																		
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data <table style="width:100%;"> <tr> <td colspan="2" style="text-align: center;">NOTICE OF INTENTION TO:</td> <td colspan="2" style="text-align: center;">SUBSEQUENT REPORT OF:</td> </tr> <tr> <td>PERFORM REMEDIAL WORK ☐</td> <td>PLUG AND ABANDON ☐</td> <td>REMEDIAL WORK ☐</td> <td>ALTER CASING ☐</td> </tr> <tr> <td>TEMPORARILY ABANDON ☐</td> <td>CHANGE OF PLANS ☐</td> <td>COMMENCE DRILLING OPNS. ☐</td> <td>PLUG AND ABANDON ☐</td> </tr> <tr> <td>PULL OR ALTER CASING ☐</td> <td>MULTIPLE COMPL ☐</td> <td>CASING/CEMENT JOB ☐</td> <td></td> </tr> <tr> <td colspan="2">Other: _____</td> <td colspan="2">Other: Drilling/Cement ☒</td> </tr> </table>			NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:		PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTER CASING ☐	TEMPORARILY ABANDON ☐	CHANGE OF PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDON ☐	PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐		Other: _____		Other: Drilling/Cement ☒																																																													
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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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion. Casing and Cementing 3/2/2023 Spudded well.																																																																																		
Casing and Cement Program <table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Date</th> <th>String</th> <th>Fluid Type</th> <th>Hole Size</th> <th>Csg Size</th> <th>Weight lb/ft</th> <th>Grade</th> <th>Est TOC</th> <th>Dpth Set</th> <th>Sacks</th> <th>Yield</th> <th>Class</th> <th>1" Dpth</th> <th>Pres Held</th> <th>Pres Drop</th> <th>Open Hole</th> </tr> </thead> <tbody> <tr> <td>03/03/23</td> <td>Surf</td> <td>FreshWater</td> <td>12.25</td> <td>9.625</td> <td>36</td> <td>J-55</td> <td>0</td> <td>1260</td> <td>450</td> <td>2.31</td> <td>C</td> <td></td> <td>1500</td> <td>0</td> <td>N</td> </tr> <tr> <td>03/03/23</td> <td>Surf</td> <td>FreshWater</td> <td>12.25</td> <td>9.625</td> <td>36</td> <td>J-55</td> <td>950</td> <td>1260</td> <td>100</td> <td>1.34</td> <td>C</td> <td></td> <td>1500</td> <td>0</td> <td>N</td> </tr> <tr> <td>03/14/23</td> <td>Prod</td> <td>CutBrine</td> <td>8.75</td> <td>7</td> <td>32</td> <td>HCL-80</td> <td>0</td> <td>3396</td> <td>160</td> <td>2.77</td> <td>C</td> <td></td> <td></td> <td></td> <td>N</td> </tr> <tr> <td>03/14/23</td> <td>Prod</td> <td>CutBrine</td> <td>8.75</td> <td>5.5</td> <td>20</td> <td>HCL-80</td> <td>3396</td> <td>8719</td> <td>1600</td> <td>1.12</td> <td>C</td> <td></td> <td></td> <td></td> <td>N</td> </tr> </tbody> </table>			Date	String	Fluid Type	Hole Size	Csg Size	Weight lb/ft	Grade	Est TOC	Dpth Set	Sacks	Yield	Class	1" Dpth	Pres Held	Pres Drop	Open Hole	03/03/23	Surf	FreshWater	12.25	9.625	36	J-55	0	1260	450	2.31	C		1500	0	N	03/03/23	Surf	FreshWater	12.25	9.625	36	J-55	950	1260	100	1.34	C		1500	0	N	03/14/23	Prod	CutBrine	8.75	7	32	HCL-80	0	3396	160	2.77	C				N	03/14/23	Prod	CutBrine	8.75	5.5	20	HCL-80	3396	8719	1600	1.12	C				N
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I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOC guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐ .																																																																																		
SIGNATURE <u>Electronically Signed</u>		TITLE <u>Chief Financial Officer</u>	DATE <u>3/28/2024</u>																																																																															
Type or print name <u>Matthew Alley</u>		E-mail address <u>malley@silverbackexp.com</u>	Telephone No. <u>303-513-0990</u>																																																																															
For State Use Only: APPROVED BY: _____ TITLE _____ DATE _____																																																																																		

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

ACKNOWLEDGMENTS

Action 322540

ACKNOWLEDGMENTS

Operator: Silverback Operating II, LLC 19707 IH10 West, Suite 201 San Antonio, TX 78256	OGRID: 330968
	Action Number: 322540
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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 322540

CONDITIONS

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	Action Number: 322540
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CONDITIONS

Created By	Condition	Condition Date
plmartinez	Submit GAMMA RAY Well Log (s) in OCD Permitting as [UF-WL] EP Well Log Submission. Going forward indicate Pressure Test for production drilling/casing string in [C-103] EP Drilling/Cement -Box 13 (Clearly state all pertinent details etc..).	5/23/2024