

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 Manzanita Operating LLC PO Box 3489 Midland, TX 79702		² OGRID Number 330289
⁴ API Number 30-015-44490		³ Reason for Filing Code/ Effective Date NW 8/7/22
⁵ Pool Name Benson, Delaware		⁶ Pool Code
⁷ Property Code	⁸ Property Name Rainmaker Fed	
		⁹ Well Number 1

II. 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
0	5	195	31E		660	S	1980	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
0	5	195	31E		660	S	1980	E	Eddy

¹² Lse Code NMLC069033	¹³ Producing Method Code	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
331098	Anchor Crude Marketing, LLC	0

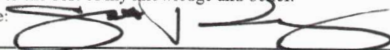
IV. Well Completion Data

²¹ Spud Date 6/3/22	²² Ready Date 8/7/22	²³ TD 5620	²⁴ PBTD 4865	²⁵ Perforations 4754-4819	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2	13 3/8	668	555		
11 1/2	8 5/8	2230	600		
7 7/8	5 1/2	5620	640		

V. Well Test Data

³¹ Date New Oil 8/7/22	³² Gas Delivery Date	³³ Test Date 8/7/22	³⁴ Test Length 24hrs	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 0
³⁷ Choke Size N/A	³⁸ Oil 50	³⁹ Water 50	⁴⁰ Gas TSTM	⁴¹ Test Method Swab	

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: 

Printed name: Scott Panthaky

Title: MANAGER

E-mail Address: Scott@manzanitaoperating.com

Date: 8-16-22 Phone: 432-349-3096

OIL CONSERVATION DIVISION

Approved by: John Garcia

Title: Engineer

Approval Date: 11/17/2022



Company: Manzanita Operating LLC.

Job Number: 03-1-22-3960

Calculation Method

Minimum Curvature

Well: Rainmaker Fed #1

Mag (Grid): 6.91

Proposed Azimuth

0.0

Location: Eddy County, NM

Dir Driller: N/A

Depth Reference

14'

Rig: Phoenix 101

FST: Brian Oldham

Tie Into: Assumed Vertical

Job Date: 6/5/2022 - 6/11/2022

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Direction Azimuth			
Tie In	0.00	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0			
1	470	1.41	196.57	470	469.95	-5.54	5.54 S	1.65 W	5.78	196.57	0.30	0.30	41.82
2	865	1.32	60.17	395	864.90	-7.94	7.94 S	0.91 E	7.99	173.45	0.64	-0.02	-34.53
3	959	1.93	44.44	94	958.87	-6.27	6.27 S	2.96 E	6.93	154.73	0.80	0.65	-16.73
4	1052	1.80	63.16	93	1051.82	-4.49	4.49 S	5.36 E	6.99	129.97	0.67	-0.14	20.13
5	1143	1.85	50.24	91	1142.77	-2.91	2.91 S	7.76 E	8.29	110.53	0.45	0.05	-14.20
6	1338	2.24	63.77	195	1337.65	0.79	0.79 N	13.60 E	13.62	86.67	0.32	0.20	6.94
7	1450	2.46	59.91	112	1449.56	2.96	2.96 N	17.65 E	17.89	80.47	0.24	0.20	-3.45
8	1545	2.24	58.59	95	1544.48	4.95	4.95 N	20.99 E	21.57	76.73	0.24	-0.23	-1.39
9	1609	2.37	61.75	64	1608.42	6.23	6.23 N	23.23 E	24.05	74.98	0.28	0.20	4.94
10	1732	2.59	74.67	123	1731.31	8.17	8.17 N	28.15 E	29.31	73.82	0.49	0.18	10.50
11	1827	2.90	111.06	95	1826.21	7.87	7.87 N	32.46 E	33.40	76.37	1.83	0.33	38.31
12	1918	2.90	123.27	91	1917.09	5.78	5.78 N	36.53 E	36.99	81.00	0.68	0.00	13.42
13	2016	3.69	169.59	98	2014.94	1.32	1.32 N	39.18 E	39.20	88.07	2.75	0.81	47.27
14	2111	4.62	189.46	95	2109.70	-5.46	5.46 S	39.10 E	39.48	97.95	1.79	0.98	20.92
15	2187	4.88	189.72	76	2185.44	-11.67	11.67 S	38.05 E	39.80	107.04	0.34	0.34	0.34
16	2263	4.70	192.44	76	2261.17	-17.89	17.89 S	36.83 E	40.95	115.91	0.38	-0.24	3.58
17	2388	2.86	181.72	125	2385.90	-26.01	26.01 S	35.64 E	44.12	126.13	1.57	-1.47	-8.58
18	2451	2.07	175.04	63	2448.84	-28.72	28.72 S	35.69 E	45.81	128.82	1.33	-1.25	-10.60
19	2547	1.45	168.19	96	2544.79	-31.63	31.63 S	36.09 E	47.99	131.24	0.68	-0.65	-7.14
20	2672	0.62	136.55	125	2669.77	-33.67	33.67 S	36.88 E	49.94	132.40	0.78	-0.66	-25.31
21	2766	0.66	143.14	94	2763.77	-34.47	34.47 S	37.55 E	50.98	132.55	0.09	0.04	7.01
22	2861	0.62	138.92	95	2858.76	-35.30	35.30 S	38.22 E	52.02	132.73	0.07	-0.04	-4.44
23	2956	0.66	130.57	95	2953.75	-36.04	36.04 S	38.97 E	53.08	132.76	0.11	0.04	-8.79
24	3051	0.66	129.87	95	3048.75	-36.75	36.75 S	39.81 E	54.18	132.71	0.01	0.00	-0.74
25	3146	0.70	138.74	95	3143.74	-37.54	37.54 S	40.61 E	55.30	132.75	0.12	0.04	9.34
26	3241	0.62	150.96	95	3238.73	-38.42	38.42 S	41.24 E	56.36	132.97	0.17	-0.08	12.86
27	3367	0.66	141.64	126	3364.73	-39.59	39.59 S	42.02 E	57.73	133.29	0.09	0.03	-7.40
28	3494	0.48	147.36	127	3491.72	-40.61	40.61 S	42.76 E	58.97	133.52	0.15	-0.14	4.50
29	3620	0.48	149.47	126	3617.72	-41.51	41.51 S	43.32 E	59.99	133.78	0.01	0.00	1.67
30	3746	0.53	144.28	126	3743.71	-42.43	42.43 S	43.92 E	61.07	134.01	0.05	0.04	-4.12
31	3840	0.57	144.63	94	3837.71	-43.17	43.17 S	44.45 E	61.96	134.16	0.04	0.04	0.37
32	3935	0.48	143.23	95	3932.70	-43.87	43.87 S	44.96 E	62.82	134.30	0.10	-0.09	-1.47
33	4030	0.66	148.59	95	4027.70	-44.66	44.66 S	45.48 E	63.74	134.48	0.20	0.19	5.64
34	4125	0.53	156.50	95	4122.69	-45.53	45.53 S	45.94 E	64.68	134.74	0.16	-0.14	8.33
35	4220	0.48	150.78	95	4217.69	-46.28	46.28 S	46.31 E	65.47	134.98	0.07	-0.05	-6.02
36	4314	0.31	162.39	94	4311.69	-46.86	46.86 S	46.58 E	66.08	135.17	0.20	-0.18	12.35



Company: Manzanita Operating LLC.

Job Number: 03-1-22-3960

Calculation Method

Minimum Curvature

Well: Rainmaker Fed #1

Mag (Grid): 6.91

Proposed Azimuth

0.0

Location: Eddy County, NM

Dir Driller: N/A

Depth Reference

14'

Rig: Phoenix 101

FST: Brian Oldham

Tie Into: Assumed Vertical

Job Date: 6/5/2022 - 6/11/2022

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Direction Azimuth			
37	4409	0.35	173.99	95	4406.69	-47.40	47.40 S	46.69 E	66.53	135.43	0.08	0.04	12.21
38	4536	0.48	163.44	127	4533.68	-48.29	48.29 S	46.88 E	67.31	135.85	0.12	0.10	-8.31
39	4662	0.53	187.35	126	4659.68	-49.38	49.38 S	46.96 E	68.14	136.44	0.17	0.04	18.98
40	4820	0.48	186.56	158	4817.67	-50.76	50.76 S	46.79 E	69.03	137.33	0.03	-0.03	-0.50
41	4915	0.53	201.06	95	4912.67	-51.57	51.57 S	46.59 E	69.49	137.90	0.14	0.05	15.26
42	5009	0.53	197.54	94	5006.66	-52.39	52.39 S	46.30 E	69.91	138.53	0.03	0.00	-3.74
43	5104	0.53	208.62	95	5101.66	-53.19	53.19 S	45.96 E	70.29	139.17	0.11	0.00	11.66
44	5198	0.62	215.30	94	5195.65	-53.99	53.99 S	45.45 E	70.57	139.90	0.12	0.10	7.11
45	5292	0.70	206.24	94	5289.65	-54.92	54.92 S	44.91 E	70.94	140.73	0.14	0.09	-9.64
46	5387	0.79	202.02	95	5384.64	-56.04	56.04 S	44.40 E	71.50	141.61	0.11	0.09	-4.44
47	5482	0.66	205.10	95	5479.63	-57.15	57.15 S	43.93 E	72.08	142.45	0.14	-0.14	3.24
48	5576	0.70	210.29	94	5573.63	-58.13	58.13 S	43.41 E	72.55	143.25	0.08	0.04	5.52
Proj.	5614	0.70	210.29	38	5611.62	-58.53	58.53 S	43.17 E	72.73	143.59	0.00	0.00	0.00

Well Name: RAINMAKER FED	Well Location: T19S / R31E / SEC 5 / SESW / 32.6840008 / -103.889407	County or Parish/State: EDDY / NM
Well Number: 1	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC069033	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001549490	Well Status: Producing Oil Well	Operator: MANZANITA OPERATING LLC

Notification

Sundry ID:	2700002	Type of Action:	First Production
Type of Submission:	Notification		
Date Sundry Submitted:	Oct 27, 2022	Time Sundry Submitted:	12:31:20 PM
First Production Date:	Aug 4, 2022		
US Well Number:	3001549490		
First Production Remarks:	Please see attached completion report and resulting well bore diagram		
Disposition:	Accepted		
Accepted Date:	11/16/2022		

Notification

First Production Remarks

Rainmaker_Fed__1_Well_Bore_Diagram_20221027123103.pdf

Rainmaker_Fed__1_Completion_Report_20221027123046.pdf

Released to Imaging: 11/17/2022 9:36:49 AM

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.

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy 612'	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 2388'	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen 3210'	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 4045'	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand 4737'	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	

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

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

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

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

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

WELL NAME:	Rainmaker Fed #1		FIELD:	Wildcat(Benson?)	
LOCATION:	660 FSL 1980 FEL S5 19s31e		API #:	30-015-49490	
COUNTY:	Eddy	ST:	NM	SPUD DATE:	06/03/22
KB: 3560	GL: 3546	TD: 5620	PBTD: 4865		
LAST UPDATED:	08/08/22		BY:	SP	

13 3/8" @ 668'

CASING DETAILS

PURPOSE	SIZE	WEIGHT	GRADE	SET DEPTH
SURFACE	13 3/8"	48#	H-40	668
INTERMEDIATE	8 5/8"	32#	J55	2230
PRODUCTION	5 1/2"	17#	L80	5612
LINER				

TUBING DETAILS

DESCRIPTION	SIZE	WEIGHT	GRADE	SET DEPTH
144 jts	2 7/8"			
TAC	2 7/8"x 5 1/2"	40k shear	carbide	4,653.00
4 jts	2 7/8"			
SN	2 7/8"			4,780
PS	2 7/8"			4,784.00
BPMA	2 7/8"			4,816.00

8 5/8" @ 2230'

ROD DETAILS

DESCRIPTION	SIZE	WEIGHT	GRADE	SET DEPTH
20' PR	1 1/4"		D	
4'x7/8" pony	7/8"		HS	
77	7/8"		HS	
80	3/4"		HS	
32	1"		HS	
RHBC pump	250x200x20			

DV tool @ 3812'

TOPS

FORMATION	TOP	BOTTOM

Tinman Perfs (top 4754 bottom 4819 gross 65')

4754-60

4785-95

4797-4803

4809-4819 32' net 64 holes 2 SPF 60 deg

CIBP+10' cmt 4875'-4865'

Kilo Perfs

4893-4901 - 2 spf 60 deg

CIBP + 10' cmt 5300-5310

Munchkin Perfs

5310-20 - 2 spf 60 deg

5330-40 - 2 spf 60 deg

5 1/2" @ 5620'

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

ACKNOWLEDGMENTS

Action 159477

ACKNOWLEDGMENTS

Operator: Manzanita Operating, LLC PO Box 3489 Midland, TX 79705	OGRID: 330289
	Action Number: 159477
	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 159477

CONDITIONS

Operator: Manzanita Operating, LLC PO Box 3489 Midland, TX 79705	OGRID: 330289
	Action Number: 159477
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	BLM version of the oCD C-105 Completion report will need to be submitted to OCD within 10 days of BLM approval.	11/17/2022