



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Completion Print

11/28/2022

Operator Name MANZANITA OPERATING LLC SHL SESW Sec 5 19S 31E	Well Name RAINMAKER FED	Well Number 1	US Well Number 3001549490
	County EDDY	State NM	Lease Number(s) NMLC069033
Well Type OIL WELL	Well Status Producing Oil Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name null	Well Pad Number null	ID 10400080149

Section 1 - General

Well Completion Report Id:	Submission Date: 11-15-2022	
BLM Office: Carlsbad Field Office	User: KATY BRUNSON	Title: OFFICE MANAGER
Federal/Indian: FEDERAL	Lease Number: NMLC069033	Lease Acres:
Agreement in place?: NO	Federal or Indian Agreement:	
Agreement Number:	Agreement Name:	
Keep this Well Completion Report confidential?: NO		
APD Operator: MANZANITA OPERATING LLC		

Section 2 - Well

Field/Pool or Exploratory:	Pool Name: DELAWARE	Field Name: BENSON
Well Type: OIL WELL		
Spud Date: 06-03-2022		
Date Total Measured Depth Reached: 06-11-2022		
Drill & Abandon or Ready To Produce: READY TO		
Well Class: VERTICAL		

Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
QUATERNARY	OTHER	Caliche	0	0	0	USEABLE WATER	
RUSTLER ANHYDRITE	ANHYDRITE		2948	612	612	NONE	

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Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
YATES	SANDSTONE		1172	2388	2388	NATURAL GAS, OIL	
QUEEN	SANDSTONE		350	3210	3210	NONE	
SAN ANDRES	DOLOMITE, OTHER	Carbonate	-485	4045	4045	NONE	
DELAWARE SAND	SANDSTONE		-1177	4737	4737	NATURAL GAS, OIL	

Completion and Completed

Completion Data

Wellbore Code	Completion Code	Interval Number	Case Number	Lease Number	Well Completion Type	Describe Well Completion Type	Completion Status	Date Completed	Date First Produced	Formation	Interval Top (MD)	Interval Bottom (MD)	Interval Perforated?	Perforation Size	Number of Holes	Status of Interval
00	S1	1	NMLC069033	NMLC069033	NEW		POW	08-07-2022	08-06-2022	DELAWARE SAND	4754	4819	Y	.42	64	OPEN
00	S1	2	NMLC069033	NMLC069033	NEW		POW	08-07-2022	08-06-2022	DELAWARE SAND	4893	4901	Y	.42	16	ISOLATED
00	S1	3	NMLC069033	NMLC069033	NEW		POW	08-07-2022	08-06-2022	DELAWARE SAND	5310	5340	Y	.42	40	ISOLATED

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Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Tottle Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
00	S1	1	Y	ACIDIZE	119		7 1/2% HCL Acid
00	S1	2	N				
00	S1	3	N				

Production Data

Wellbore Code	Completion Code	Interval Number	API Oil Gravity	Gas Gravity	Production Method	Describe Production	Disposition of Gas	Describe Disposition
00	S1	1	34		OTHER	swabbing	NO MEASURABLE GAS	
00	S1	2	34		OTHER	swabbing - no oil or gas tested	NO MEASURABLE GAS	
00	S1	3	34		OTHER	swabbing - no oil or gas tested	NO MEASURABLE GAS	

Test Data

Wellbore Code	Completion Code	Interval Number	Test Date	Hours Tested	24-Hour Rate Oil (bbls)	24-Hour Rate Gas (MCF)	24-Hour Rate Water(BWPD)	Gas-Oil Ratio (SCF/Bbl)	Choke Size	Tubing Pressure	Tubing Pressure Shut-In (psi)	Casing Pressure (psi)
00	S1	1	08/06/2022	12	100	0	100	0		0	0	0

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00	S1	2										
00	S1	3										

Well Location

Survey Type: RECTANGULAR

Survey Number: 12797

Datum: NAD83

Vertical Datum: NAVD88

Reference Datum: GL

State	Meridian	County	Latitude	Longitude	Elevation (MSL)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
SHL	NEW MEXICO	EDDY	32.6840008	-103.889407	3546	FEDERAL	NMLC069033				660	FSL	1980	FEL	19S	31E	5	SESW
BHL Wellbore 00	NEW MEXICO	EDDY	32.6840008	-103.889407	-2054	FEDERAL	NMLC069033				660	FSL	1980	FEL	19S	31E	5	SESW

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Casing, Liner and Tubing

Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
00	SURFACE	17.5	0	668	13.375	48	H-40		ST&C		
00	INTERMEDIATE	11	0	2230	8.625	32	J-55		ST&C		
00	PRODUCTION	7.875	0	5620	5.5	17	L-80		LT&C		

Cementing

Wellbore Code	Casing String Type	Stage Tool Depth	Cement Lead Type	Cement Lead Qty (sks)	Cement Lead Yield (cu.ft/sks)	Cement Lead Top (MD)	Cement Tail Type	Cement Tail Qty (sks)	Cement Tail Yield (cu.ft/sks)	Cement Tail Top (MD)	Total (Lead + Tail) Cement Slurry Volume
00	SURFACE		Class C	455	1.77	0	Class C	100	1.35	0	167.5
00	INTERMEDIATE		Class C Lite 35:65:6	400	1.93	0	Class C	200	1.34	0	185.2
00	PRODUCTION		Class C	270	1.59	3700					415.2
00	PRODUCTION	3700	35:65:6 Class C	329	2.19	0	Class C	50	1.34	0	415.2

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Tubing

Wellbore Code	Tubing Size	Describe Other	Tubing Setting Depth (MD/ft)	Packer Depth (MD/ft)	Tubing Weight	Tubing Grade	Describe Other	Tubing Coupling	Describe Other
00	2.875		4816		6	J-55		LT&C	

Logs

Wellbore Code	Log Upload	Was Well Cored?	Was DST Run?	Directional Survey?	Geologic Report	Wellbore Diagram
00	YES	NO	NO	YES	NO	YES

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Operator

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Well Completion Reports through this system satisfies regulations requiring a submission of Form 3160-4 or a Well Completion Report.

Name: MANZANITA OPERATING LLC

Signed By: KATY BRUNSON

Title: OFFICE MANAGER

Signed on: 11/15/2022

Street Address: PO BOX 3489

City: MIDLAND

State: TX

Zip: 79702

Phone: (432)349-6973

Email address: KATY@MANZANITAOPERATING.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Extension:

Email address:

Attachments

Manzanita_Wildcat_Rainmaker_1_R1A_TCOM_20221115102217.Pdf

Rainmaker_Fed__1___Deviation_Survey_Report_20221115102228.pdf

Rainmaker_Fed__1_Well_Bore_Diagram_20221115102240.pdf

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

ACKNOWLEDGMENTS

Action 161508

ACKNOWLEDGMENTS

Operator: Manzanita Operating, LLC PO Box 3489 Midland, TX 79705	OGRID: 330289
	Action Number: 161508
	Action Type: [C-105] Well (Re)Completion (C-105)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
<input checked="" type="checkbox"/>	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.
<input type="checkbox"/>	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.

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CONDITIONS

Action 161508

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	Action Number: 161508
	Action Type: [C-105] Well (Re)Completion (C-105)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	4/28/2025