

Submit To Appropriate District Office Two Copies 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 and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	Form C-105 Revised April 3, 2017														
WELL COMPLETION OR RECOMPLETION REPORT AND LOG		1. WELL API NO. 30-025-46513														
4. Reason for filing: <input checked="" type="checkbox"/> COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) <input type="checkbox"/> 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)		2. Type of Lease <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> FED/INDIAN 3. State Oil & Gas Lease No. VC-0555														
7. Type of Completion: <input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPENING <input type="checkbox"/> PLUGBACK <input type="checkbox"/> DIFFERENT RESERVOIR <input type="checkbox"/> OTHER		5. Lease Name or Unit Agreement Name VINDICATOR 15 6. Well Number: 1H														
8. Name of Operator MANZANO, LLC 10. Address of Operator PO BOX 1737 - ROSWELL, NM 88202-1737		9. OGRID 231429 11. Pool name or Wildcat WC-025 G-09 S172315C; UPPER PENN														
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County						
Surface:	C	15	17 S	36 E		100	N	2295	W	LEA						
BH:	N	15	17 S	36 E		82	S	2278	W	LEA						
13. Date Spudded 12/1/19		14. Date T.D. Reached 1/7/20		15. Date Rig Released 1/10/20		16. Date Completed (Ready to Produce) 2/20/20		17. Elevations (DF and RKB, RT, GR, etc.) 3873' RKB								
18. Total Measured Depth of Well 17091				19. Plug Back Measured Depth 17087		20. Was Directional Survey Made? YES		21. Type Electric and Other Logs Run POROSITY/RESISTIVITY								
22. Producing Interval(s), of this completion - Top, Bottom, Name 12,290'-17,058, UPPER PENN SHALE																
23. CASING RECORD (Report all strings set in well)																
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED						
13.375"		54.5		2110'		17.5"		1200		0-CIRC						
10.75"		45.5		5090'		12.25"		825		0-CIRC						
7.625"		29.7		12085'		9.875"		1200		0-CIRC						
5.0		18.0		17091		6.75"		1150		0-CIRC						
24. LINER RECORD																
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		25. TUBING RECORD										
						SIZE	DEPTH SET	PACKER SET								
26. Perforation record (interval, size, and number) 12290-17058, 0.42", 800 Holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td>12290 - 17058</td> <td>917bbls 10% Acid + 293,458bbls Slickwater</td> </tr> <tr> <td></td> <td>+ 11,499,922# 100 mesh sand (25 stages)</td> </tr> </table>					DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	12290 - 17058	917bbls 10% Acid + 293,458bbls Slickwater		+ 11,499,922# 100 mesh sand (25 stages)
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED															
12290 - 17058	917bbls 10% Acid + 293,458bbls Slickwater															
	+ 11,499,922# 100 mesh sand (25 stages)															
28. PRODUCTION																
Date First Production 2/21/20		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING				Well Status (Prod. or Shut-in) PRODUCING										
Date of Test 2/26/20	Hours Tested 24	Choke Size 30/64"	Prod'n For Test Period	Oil - Bbl 715	Gas - MCF 804	Water - Bbl. 2234	Gas - Oil Ratio 1125									
Flow Tubing Press.	Casing Pressure 1050#	Calculated 24-Hour Rate	Oil - Bbl. 715	Gas - MCF 804	Water - Bbl. 2234	Oil Gravity - API - (Corr.) 43										
29. Disposition of Gas (Sold, used for fuel, vented, etc.) FLOWING							30. Test Witnessed By NATHAN MAUE									
31. List Attachments DIRECTIONAL SURVEY, C102 "As-Drilled", Additional Points "AS Drilled" Form, Open hole logs have been filed on-line																
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date: 1/10/20									
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		Printed Name		Mike Hanagan		Title		Manager		Date 2/26/20						
E-mail Address mike@manzanoenergy.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 <u>2020'</u>	T. Canyon <u>11632'</u>	T. Ojo Alamo	T. Penn A"
T. Salt <u>2140'</u>	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 <u>3600'</u>	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 <u>5110'</u>	T. Simpson	T. Mancos	T. McCracken
T. Glorieta <u>6632'</u>	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	T. Morrison	
T. Drinkard	T. Bone Springs	T. Todilto	
T. Abo <u>7560'</u>	T.	T. Entrada	
T. Wolfcamp <u>9555'</u>	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. 2, from.....to.....
No. 3, 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