

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 1. WELL API NO. 30-025-46513 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
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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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)	5. Lease Name or Unit Agreement Name VINDICATOR 15 6. Well Number: 1H
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7. Type of Completion:
 NEW WELL **WORKOVER** **DEEPENING** **PLUGBACK** **DIFFERENT RESERVOIR** **OTHER**

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
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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					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	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;"> <thead> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> </thead> <tbody> <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> </tbody> </table>	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	12290 - 17058	917bbls 10% Acid + 293,458bbls Slickwater		+ 11,499,922# 100 mesh sand (25 stages)
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28. PRODUCTION

Date First Production 2/21/20		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) FLOWING			Well Status (<i>Prod. or Shut-in</i>) 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 - (<i>Corr.</i>) 43	

29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) FLOWING	30. Test Witnessed By NATHAN MAUE
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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
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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		

