

MAY 23 2019

Form C-105
Revised April 3, 2017

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

1. ~~WELL NUMBER~~
30-025-45433
2. Type of Lease
 STATE FEE FED/INDIAN
3. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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)

5. Lease Name or Unit Agreement Name
WEST CROSSROADS SAN ANDRES UNIT
6. Well Number:
324H

7. Type of Completion:
 NEW WELL WORKOVER DEEPENING PLUGBACK DIFFERENT RESERVOIR OTHER

8. Name of Operator
MANZANO, LLC

9. OGRID
231429

10. Address of Operator
PO BOX 1737
ROSWELL, NM 88202-1737

11. Pool name or Wildcat
CROSSROADS;SAN ANDRES

| 12. Location | Unit Ltr | Section | Township | Range | Lot | Feet from the | N/S Line | Feet from the | E/W Line | County |
|--------------|----------|---------|----------|-------|-----|---------------|----------|---------------|----------|--------|
| Surface: | C | 5 | 10 S | 36 E | | 600 | NORTH | 1584 | WEST | LEA |
| BH: | C | 32 | 9 S | 36 E | | 58 | NORTH | 1567 | WEST | LEA |

| | | | | |
|---|---------------------------------------|---|---|---|
| 13. Date Spudded 12/27/18 | 14. Date T.D. Reached 1/4/19 | 15. Date Rig Released 1/5/19 | 16. Date Completed (Ready to Produce) 4/24/19 | 17. Elevations (DF and RKB, RT, GR, etc.) RKB @ 4062' |
| 18. Total Measured Depth of Well 10332 | 19. Plug Back Measured Depth 10300 | 20. Was Directional Survey Made? YES | 21. Type Electric and Other Logs Run GAMMA RAY & MUD LOG | |

22. Producing Interval(s), of this completion - Top, Bottom, Name
5210-10281', SAN ANDRES

23. CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT LB./FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|----------------|-----------|-----------|------------------|---------------|
| 8.625 | 32 | 2243 | 12.25 | 850sx | 0 |
| 5.5 | 20 | 10305 | 7.875 | 2050 | 0 |
| | | | | | |
| | | | | | |

| 24. LINER RECORD | | | | 25. TUBING RECORD | | | |
|------------------|-----|--------|--------------|-------------------|-------|-----------|------------|
| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE | DEPTH SET | PACKER SET |
| | | | | | 2.875 | 4843 | |
| | | | | | | | |

| | | |
|--|---|--|
| 26. Perforation record (interval, size, and number) 5210'-10281', 0.42", 1200 HOLES | 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. | |
| | DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED |
| | 5210-10281 | 2,457,763# SAND IN 80,955 BBL's + 4155 BBL ACID |

28. PRODUCTION

| | | | | | | | |
|----------------------------------|--------------------------|---|------------------------|-----------------|--|-----------------------------------|--------------------------|
| Date First Production 4/24/19 | | Production Method (Flowing, gas lift, pumping - Size and type pump) ESP PUMP | | | Well Status (Prod. or Shut-in) PROD | | |
| Date of Test 5/21/19 | Hours Tested 24 HOURS | Choke Size | Prod'n For Test Period | Oil - Bbl 61 | Gas - MCF 30 | Water - Bbl. 2197 | Gas - Oil Ratio 491:1 |
| Flow Tubing Press. | Casing Pressure | Calculated 24-Hour Rate | Oil - Bbl. 61 | Gas - MCF 30 | Water - Bbl. 2197 | Oil Gravity - API - (Corr.) 30 | |

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
FLARED

30. Test Witnessed By
R. COLLINS

31. List Attachments
GAMMA RAY LOG, MUD LOG

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.

33. Rig Release Date:

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 4/13/19

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 | 2260' | T. Canyon | T. Ojo Alamo |
| T. Salt | | T. Strawn | T. Kirtland |
| B. Salt | | T. Atoka | T. Fruitland |
| T. Yates | | T. Miss | T. Pictured Cliffs |
| T. 7 Rivers | | T. Devonian | T. Cliff House |
| T. Queen | | T. Silurian | T. Menefee |
| T. Grayburg | | T. Montoya | T. Point Lookout |
| T. San Andres | 4460' | T. Simpson | T. Mancos |
| T. Glorieta | | T. McKee | T. Gallup |
| T. Paddock | | T. Ellenburger | Base Greenhorn |
| T. Blinbry | | 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 |
|------|----|----------------------|-----------|------|----|----------------------|-----------|
| | | | | | | | |