

Submit To Appropriate District Office
Two Copies
District I
1625 N. French Dr., Hobbs, NM 88201
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

SEP 29 2016

RECEIVED

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 August 1, 2011

1. WELL API NO.
30-015-42659

2. Type of Lease
☒ STATE ☐ FEE ☐ FED/INDIAN

3. State Oil & Gas Lease No. VO-6987

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
MACHO GRANDE STATE

6. Well Number:
2H

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

8. Name of Operator
BC OPERATING, INC.

9. OGRID
160825

10. Address of Operator
P.O. BOX 50820
MIDLAND, TX 79710

11. Pool name or Wildcat
CEDAR CANYON; BONE SPRING

| | | | | | | | | | | |
|--------------|----------|---------|----------|-------|-----|---------------|----------|---------------|----------|--------|
| 12. Location | Unit Ltr | Section | Township | Range | Lot | Feet from the | N/S Line | Feet from the | E/W Line | County |
| Surface: | A | 32 | 23S | 29E | | 200 | N | 700 | E | EDDY |
| BH: | P | 32 | 23S | 29E | | 330 | S | 330 | E | EDDY |

13. Date Spudded
1/17/2015

14. Date T.D. Reached
2/23/2015

15. Date Rig Released
2/27/2015

16. Date Completed (Ready to Produce)
8/9/20126

17. Elevations (DF and RKB, RT, GR, etc.) 3,014' GL

18. Total Measured Depth of Well
15,425'

19. Plug Back Measured Depth
15,417'

20. Was Directional Survey Made?
YES

21. Type Electric and Other Logs Run
CBL ONLY

22. Producing Interval(s), of this completion - Top, Bottom, Name
11,287' - 15,150', BONE SPRING

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 | 402' | 17.5" | 655 SX | |
| 9.625" | 40 | 6,525' | 12.25" | 1,600 SX | |
| 7" | 26 | 11,401' | 8.75" | 1,125 SX | |
| 4.5" | 11.6 | 15,425' | 6.125" | 250 SX | |

24. LINER RECORD

| | | | | |
|------|-----|--------|--------------|--------|
| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN |
| | | | | |

25. TUBING RECORD

| | | |
|--------|-----------|------------|
| SIZE | DEPTH SET | PACKER SET |
| 2-7/8" | 10,995' | 10,995 |

26. Perforation record (interval, size, and number)
11,287' - 15,150' - 6 SPF, 0.42" HOLES, 912 SHOTS

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
DEPTH INTERVAL
11,287' - 15,150'
AMOUNT AND KIND MATERIAL USED
7,945,328 MESH; 7,945,328 PROPPANT;
1,866 ACID; 4,482 TREATED WATER;
178,133 GEL

PRODUCTION

28. Date First Production
8/16/2016

Production Method (Flowing, gas lift, pumping - Size and type pump)
FLOWING

Well Status (Prod. or Shut-in)
PRODUCING

| | | | | | | | |
|----------------------------|----------------------|-------------------------|------------------------|------------------|-------------------|-----------------------------|-----------------|
| Date of Test 9/6/2016 | Hours Tested 24 | Choke Size 22/64" | Prod'n For Test Period | Oil - Bbl 538 | Gas - MCF 6157 | Water - Bbl. 1090 | Gas - Oil Ratio |
| Flow Tubing Press. 4500 | Casing Pressure 0 | Calculated 24-Hour Rate | Oil - Bbl. | Gas - MCF | Water - Bbl. | Oil Gravity - API - (Corr.) | |

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

30. Test Witnessed By

31. List Attachments
CBL LOG

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

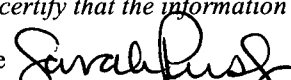
33. If an on-site burial was used at the well, report the exact location of the on-site burial:


Latitude

Longitude

NAD 1927 1983

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 SARAH PRESLEY Title REGULATORY ANALYST 9/15/2016 

E-mail Address spresley@bcoperating.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 | T. Canyon | T. Ojo Alamo | T. Penn A" |
| T. Salt | T. Strawn | T. Kirtland | T. Penn. "B" |
| B. Salt 2850 | T. Atoka | T. Fruitland | T. Penn. "C" |
| T. Yates | T. Miss | T. Pictured Cliffs | T. Penn. "D" |
| T. 7 Rivers | 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 | 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 2900 | T. Morrison | |
| T. Drinkard | T. Bone Springs 9450 | T. Todilto | |
| T. Abo | T. | T. Entrada | |
| T. Wolfcamp 9850 | T. | T. Wingate | |
| T. Penn | T. | T. Chinle | |
| T. Cisco (Bough C) | T. | T. Permian | |

OIL OR GAS SANDS OR ZONES

No. 1, from.....9293.....to.....9800.....

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

No. 2, from.....10300.....to.....TD.....

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 |
|------|------|----------------------|----------------------|------|----|----------------------|-----------|
| 5000 | 6620 | 1620 | SHALE/SAND | | | | |
| 6620 | 7550 | 930 | LIME/SHALE | | | | |
| 7550 | 8100 | 550 | LIME/SHALE/SAND | | | | |
| 8100 | 9140 | 1040 | LIME/SHALE/SANDSTONE | | | | |
| 9140 | TD | 6285 | LIME/SHALE | | | | |