Form 3160-4
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Oil Cons.
N.M. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

# WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

5. Lease Serial No. LC 067811

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other
b. Type of Completion: ☐ New Well ☒ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr,.
Other

6. If Indian, Allottee or Tribe Name: N/A

7. Unit or CA Agreement Name and No.: N/A

2. Name of Operator: Pecos River Operating, Inc.

8. Lease Name and Well No.: Nichols Dale Federal #9

3. Address 550 W. Texas Ave., Suite 720, Midland, Texas 79701

3a. Phone No. (include area code): (915) 620-8480

9. API Well No.: 30-005-63181

RECEIVED
OCD - ARTESIA

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface 1980' FNL & FEL, Sec 33, T-7S, R-26E

10. Field and Pool, or Exploratory: Pecos Slope Abo/Leslie Spring Wolfcamp, So.

At top prod. interval reported below

11. Sec., T., R., M., on Block and Survey or Area 33,T-7S, R-26E

At total depth DHC-2950

12. County or Parish: Chaves
13. State: NM

| 14. Date Spudded | 15. Date T.D. Reached | 16. Date Completed ☐ D & A ☒ Ready to Prod. | 17. Elevations (DF, RKB, RT, GL)* |
|---|---|---|---|
| 3-02-01 | 3-16-01 | 11-17-01 | 3740' GL |

| 18. Total Depth: MD / TVD | 19. Plug Back T.D.: MD / TVD | 20. Depth Bridge Plug Set: MD / TVD |
|---|---|---|
| 5425' | 5040' | 5040' |

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
NGT-CNL-LDT-DLL-MSFL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

| Hole Size | Size/Grade | Wt. (#/ft.) | Top (MD) | Bottom (MD) | Stage Cementer Depth | No. of Sks. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|---|---|---|---|---|---|---|---|---|---|
| 12 1/4 | 8 5/8J | 24 | 0 | 910 | N/A | 850 sx Class 'C' | 230 | Surf | N/A |
| 7 7/8 | 4 1/2J | 10.5 | 0 | 5425 | N/A | 680 sx 'C' modifd | 203 | 3350' Temp Surv | N/A |

24. Tubing Record

| Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|---|---|---|---|---|---|---|---|---|
| 2 3/8 | 4500 | N/A | | | | | | |

25. Producing Intervals / 26. Perforation Record

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|---|---|---|---|---|---|---|
| A) Wolfcamp | 4620 | 5142 | 4622-4984 | .38 | 49 | Producing |
| B) Abo | 3965 | 4620 | 3995-4343 | .38 | 56 | Producing |
| C) | | | | | | |
| D) | | | | | | |

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

| Depth Interval | Amount and Type of Material |
|---|---|
| 4622-4984' | 5600 gal 15% HCl |
| 3995-4343' | 3200 gal 7 1/2% HCl, 117,000 gal 40-Q CO2 Foam w/ 178,000# 16/30 Brady Sd |

28. Production - Interval A

| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---|---|---|---|---|---|---|---|---|---|
| 3-28 | 11-22 | 24 | → | 0 | 278 | 0 | 0 | .64 | Flow |

| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas : Oil Ratio | Well Status |
|---|---|---|---|---|---|---|---|---|
| 48 | 110 | 210 | → | 0 | 278 | 0 | 0 | Producing Allocated volume per OCD Order DHC 2950 |

28a. Production - Interval B

| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---|---|---|---|---|---|---|---|---|---|
| 11-16 | 11-22 | 24 | → | 0 | 278 | 12 load | 0 | .676 | Flow |

| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas : Oil Ratio | Well Status |
|---|---|---|---|---|---|---|---|---|
| | | | → | | | | | Producing Allocated volume per OCD Order DHC 2950 |

ACCEPTED FOR RECORD
FEB 10 2003
ARMANDO A. LOPEZ
PETROLEUM ENGINEER

(See instructions and spaces for additional data on reverse side)

Fax copy Accepted by David Glass on 2/26/02