

## UNITED STATES

SUBMIT IN DUPLICATE\*

Form approved.  
Budget Bureau No. 42-R355.5.DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY(See other in-  
structions on  
reverse side)

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐  
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐  
OIL CON. COM. DIST. 3

2. NAME OF OPERATOR  
Dugan Production Corp.3. ADDRESS OF OPERATOR  
P O Box 208, Farmington, NM 874014. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 2160' FNL - 2310' FEL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

10-8-81

12. COUNTY OR  
PARISH

Rio Arriba

13. STATE

NM

15. DATE SPUDDED 10-30-81 16. DATE T.D. REACHED 11-7-81 17. DATE COMPL. (Ready to prod.) 12-5-81 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 6725' GL 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5706' 21. PLUG BACK T.D., MD & TVD 5621' 22. IF MULTIPLE COMPL., HOW MANY\* single 23. INTERVALS DRILLED BY TD 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 5264 - 5534' Gallup 25. WAS DIRECTIONAL SURVEY MADE NO 26. TYPE ELECTRIC AND OTHER LOGS RUN IES, CDL, GR-CC1 27. WAS WELL CORED NO

| 23. CASING RECORD (Report all strings set in well) |                 |                |           |                         |               |
|----------------------------------------------------|-----------------|----------------|-----------|-------------------------|---------------|
| CASING SIZE                                        | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD        | AMOUNT PULLED |
| 8-5/8"                                             | 24              | 211' RKB       | 12 1/4"   | 135 sx                  | ---           |
| 4-1/2"                                             | 10.5            | 5713' RKB      | 7-7/8"    | 1540 cu.ft. in 2 stages | ---           |
|                                                    |                 |                |           |                         |               |
|                                                    |                 |                |           |                         |               |

| 29. LINER RECORD |          |             |               |             | 30. TUBING RECORD |                |                 |
|------------------|----------|-------------|---------------|-------------|-------------------|----------------|-----------------|
| SIZE             | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE              | DEPTH SET (MD) | PACKER SET (MD) |
| None             |          |             |               |             | 2-3/8"            | 5500' RKB      |                 |
|                  |          |             |               |             |                   |                |                 |
|                  |          |             |               |             |                   |                |                 |

31. PERFORATION RECORD (Interval, size and number)

5264 - 5534', 35 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED                                                       |
|---------------------|----------------------------------------------------------------------------------------|
| 5264-5534           | 500 gal 15% HCL; 75,000# 20-40 sand; 65,188 gal slick water; 88 gal Aquaflo; 250# FR-2 |
|                     |                                                                                        |
|                     |                                                                                        |

33.\*

## PRODUCTION

| DATE FIRST PRODUCTION |                 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) |                         |          |            | WELL STATUS (Producing or shut-in) |               |
|-----------------------|-----------------|----------------------------------------------------------------------|-------------------------|----------|------------|------------------------------------|---------------|
| 12-1-81               |                 | flowing                                                              |                         |          |            | producing                          |               |
| DATE OF TEST          | HOURS TESTED    | CHOKE SIZE                                                           | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF.   | WATER—BBL.                         | GAS-OIL RATIO |
| 12-5-81               | 24              | ---                                                                  | →                       | 38       | 100 est.   | 0                                  | 2632          |
| FLOW. TUBING PRESS.   | CASING PRESSURE | CALCULATED 24-HOUR RATE                                              | OIL—BBL.                | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.)            |               |
| 40 psi                |                 | →                                                                    | 38 BPD                  | 100 est. | 0          | 42                                 |               |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

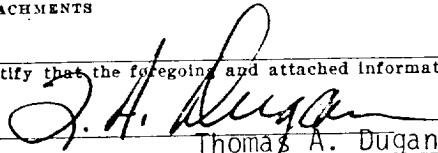
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TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available data.

SIGNED

  
Thomas A. Dugan

TITLE

Petroleum Engineer

DATE 12-10-81

DEC 14 1981

\*(See Instructions and Spaces for Additional Data on Reverse Side)

NMOCC

FARMINGTON DISTRICT

BY

SAL

INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

|                                                                                                                                                                                                                                                    |     |        |                         |             |                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------|-------------------------|-------------|-------------------------|
| 37. SUMMARY OF POROUS ZONES:<br>SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES |     |        | 38.<br>GEOLOGIC MARKERS |             |                         |
| FORMATION                                                                                                                                                                                                                                          | TOP | BOTTOM | NAME                    | MEAS. DEPTH | TOP<br>TRUE VERT. DEPTH |
|                                                                                                                                                                                                                                                    |     |        | Nacimientito            | 810'        |                         |
|                                                                                                                                                                                                                                                    |     |        | Ojo Alamo               | 1403'       |                         |
|                                                                                                                                                                                                                                                    |     |        | Kirtland                | 1610'       |                         |
|                                                                                                                                                                                                                                                    |     |        | Fruitland               | 1831'       |                         |
|                                                                                                                                                                                                                                                    |     |        | Pictured Cliffs         | 2002'       |                         |
|                                                                                                                                                                                                                                                    |     |        | Lewis                   | 2124'       |                         |
|                                                                                                                                                                                                                                                    |     |        | Chacra                  | 2409'       |                         |
|                                                                                                                                                                                                                                                    |     |        | Cliff House             | 3752'       |                         |
|                                                                                                                                                                                                                                                    |     |        | Menefee                 | 3879'       |                         |
|                                                                                                                                                                                                                                                    |     |        | Point Lookout           | 4219'       |                         |
|                                                                                                                                                                                                                                                    |     |        | Mancos                  | 4495'       |                         |
|                                                                                                                                                                                                                                                    |     |        | Gallup                  | 5095'       |                         |