

Form 2-331
(May 1966)UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM 26052

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Mucho Deal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec 14, T30N, R14W

12. COUNTY OR PARISH 13. STATE

San Juan

NM

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Dugan Production Corp.

3. ADDRESS OF OPERATOR

Box 234, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1850' FNL - 1800' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6040' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Completion

X

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

(OVER)

18. I hereby certify that the foregoing is true and correct

SIGNED

Thomas A. Dugan

TITLE

Petroleum Engineer

DATE

7-15-77

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

7-9-77

Moved in Farmington Well Service rig. Set hydraulic BOP. Went in hole with 3-7/8" bit on 1-1/2" tbg, drilled Baker stage tool @ 4528'.

7-11-77

PBTD 6516'. Finished drilling stage tool, went in hole, tagged btm. Pressure tested csg and BOP to 4200 psi - held OK. Circ hole using wtr plus 1000 gal 20# gelled wtr, recovered some large pieces of metal from stage tool w/gel wtr. Spotted 300 gal 15% HCl, pulled tbg and bit. Wellex ran gamma-ray correlation log. Perf 1 DP jet/ft 6330-6336', 6366-6370', 6395-6401' (hole size 0.31"). Western Company broke down upper Dakota perf using 2900 hp, spearheaded w/200 gal 15% HCl, 150 bbls wtr. Avg IR 34 B/M @ 3700 psi, ISDP 600 psi. Bled press back, reran gamma-ray correlation log to check depth of perf - depth OK. Perf 2 DP jets/ft 6474-90'. Western Company frac Dakota using 3083 hp, 19,950 lbs sand, 803 bbls wtr. IF 3400 psi, Avg 3400 psi, Max and Final 3400 psi, ISDP 800 psi, 10 min SI 650 psi, Avg IR 37 B/M. Dropped 16 balls, no ball action. Shut down because frac press and rate same as breakdown. May not have btm zone open. Mixed 2-1/2# FR-2/1000 gal wtr. Resumed frac 4 hrs later. Spearheaded w/200 gal 15% HCl. Used 2022 hp, 45,050 lbs 20-40 sand, 1232 bbls wtr with 2-1/2# FR-2/1000 gal. IF 3400 psi, Max 3400 psi, Min 2000 psi, Avg 2500 psi, Final 2000 psi, ISDP 1200 psi, 10 min SI 900 psi, Avg IR 33 B/M. Made 2 ball drops of 10 balls each and one drop of 14 balls, no ball action. Lost one pump truck 5 min into job. Shut well in for 6 hrs.

7-12-77

PBTD 6516'. Opened well to pit, flowing back, waited 1-1/2 hrs. Ran 1-1/2" tbg w/pumpout plug, well flowing back slowly making some gas. Tagged sand @ 6400', believe that zone 6474-6492' did not break down and was not fractured. Circ sand out to 6516'. Circ hole 2 hrs. Pulled tbg out of hole and shut well in.

7-13-77

Well dead. Went in hole w/Baker full bore packer. Tagged btm @ 6516', no fill-up. Filled hole w/10 bbls wtr. Set full bore @ 6430' w/btm of tbg @ 6463'. Pumped into zone 6474-6490' with 15 bbls wtr, no break in press. IR 3 B/M @ 3000 psi. Pumped 500 gal 15% HCl w/40 balls spaced out in acid. IR 4 B/M @ 4000 psi, no ball action, flowing well back thru tbg. Well died. Western Company frac Dakota zone 6474-6490' using 400 bbls wtr gelled w/60 lbs J-2/1000 gal and 1 gal FSF/1000 gal, 20,000 lbs 20-40 sd thru 1-1/2" tbg string. IF 4500 psi, Avg 5000 psi, Max 5200 psi, Final 4600 psi, ISDP 1600 psi, 15 min SI 1000 psi, Avg IR 5 B/M. Shut well in overnight.

7-14-77

Flowed well back thru tbg for 40 min, flow back very slow. Pulled tbg and Baker full bore packer. Ran 201 jts 1-1/2" OD 2.9# J-55 10R EUE tbg set @ 6469' RKB. Top 87 jts tbg has internal plastic coating. Flanged up wellhead. Well kicked off thru tbg. Flowed well to pit overnight.