

Form 9-331  
(May 1963)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE  
(Other instructions on reverse side)Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM 23048

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Sherman Edward

9. WELL NO.

2B

10. FIELD AND POOL, OR WILDCAT

Blanco-Mesaverde

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

Sec 3, T29N, R5W

12. COUNTY OR PARISH 13. STATE

Rio Arriba NM

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Dugan Production Corp.

3. ADDRESS OF OPERATOR

P.O. 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

940' FSL - 2070' FEL

14. PERMIT NO.

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

6401' GR

## 18. 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\*

(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.)\*

10-19-77

PBTD 5720'. Welex ran Correlation log across Mesa Verde and Pictured Cliffs. Perforated one hole (4" Super Dyna Jet) at 5274', 5277', 5451', 5455', 5610', 5622', 5629', 5636', and 5641' and 1 hole/2 ft. 5286-92', 5564-72', and 5592-5600' total of 20 holes, Western Co. Break fm. down at 1600 psi, established I.R. at 45 B/M at 2150 psi. Ran 500 gal 15% HCl w/30 ball. Had some ball action with 2 good breaks after balls hit, but did not ball off. Established I.R. at 36 B/M at 3400 psi, pumped total of 362 bbls water ISDP 750 psi on vac in 50 min., Welex ran junk basket, recovered 21 balls, 16 balls with perf marks. Western Co. frac Mesa Verde Fm using 2800 horsepower, 40,000 # 20-40 1600 bbls water. I.F. 2150 psi, Ave 2200 psi, Max 2300 psi, Min 2150 psi, Final 2300 psi. Ave I.R. 52 B/M. I.S.D.P. 300 psi on vac in 15 min. Welex set Baker wire line set retrievable bridge plug at 3434', Perf one jet per 2 ft. 3316-3380, 3212-30, and 3236-48, total 49 holes. Breakdown Pictured Cliffs Fm. at 7300 psi, Acidized perf using 500 gal. HCl with 65 rubber balls, used 261 bbls water, one set balls hit increased press. 400 psi. No break, I.S.D.P. 700 psi,

(Cont'd on Back)

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

SIGNED

Thomas A. Dugan

TITLE Petroleum Engineer

DATE 11-1-77

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

## Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

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 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the reason therefor; and date of final inspection looking to approval of the abandonment.

U.S. GOVERNMENT PRINTING

10-19-77 (Cont-d)

10-24-77

10-25-77

5 min. SI, 500 psi bled press. off, well flowing back good, making some gas, did not run junk basket because well might kick off. Frac Pictured Cliffs Fm. using 2931 Horsepower, 50,000 lbs. 20-40 sd, 1600 bbls water, I.F. 2100 psi, Ave. 2600 psi, Max 3100 psi, Min 2100 psi, Final 2500 psi, I.S.D.P. 800 psi, 15 min. Shut In 700 psi, Ave. I.R. 48 B/M, Max I.R. 53 B/M with 90 bbls. fluid in, press in. 400 psi and with 175 bbls. in, press increased 150, believe that balls on perf caused increase with half of frac in, dropped 10 balls. Shut well in overnight.

Well flowing est. 400 MCF w/spray oil. Wellex ran Baker Model "D" packer set on wire line at 5200', packer open, no flapper valve or plug. Ran 170 jts 1-1/4" OD 2.4# JCW 10 REVE tbg with seal assy. and blast joints set at 5625' RKB. Started in hole with Pictured Cliffs tbg. string. Shut down because slips not working properly.

Well flowing est 400 MCF w/some oil. Well flowing back thru tbg. Killed Pictured Cliff, ran tbg. while pumping into well bore. Ran 104 jnts. 1-1/4" OD 2.4# JCW 10R EUE tbg. Set at 3373' RKB. Stripped BOP off well, nipped up well head, released rig.