

5 USGS, Fmn

2 MF

1 TR

1 File

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other

2. NAME OF OPERATOR
DUGAN PRODUCTION CORP.

3. ADDRESS OF OPERATOR
P O Box 208, Farmington, NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1110' FSL - 850' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☒ Completion

5. LEASE
NM 28698
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Emerald
9. WELL NO.
1
10. FIELD OR WILDCAT NAME
Gavilan P.C., S Blanco Ext.
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 17 T24N R1W
12. COUNTY OR PARISH
Rio Arriba NM
13. STATE
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
7515' GL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

See reverse for report of perfs 11-12
frac 11-12
tubing 11-13-81.

Subsurface Safety Valve: Manu. and Type

Set @ Ft.

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

SIGNED Thomas A. Dugan TITLE Petroleum Engineer DATE 11-16-81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY.



ACCEPTED FOR RECORD

NOV 19 1981

BY Dean R. Hott

11-5-81 600 psi. Bumped plug with 2000 psi. Float failed to hold.
(Cont.) Left pressure on csg. for 1 hr. Released pressure, held OK.
Set csg. slips and cut off csg. Released rig at 12:00 midnight
11-4-81. Calculated cement top 2000'.

DAILY REPORT

11-10-81 Move in MTK Inc. Rig #2. S.D.O.N.

11-11-81 Rig up MTK Inc. Wait 4 hrs. on bolt for draw-works brake.
T.I.H. w/ tbg. Tag cement at 3520' GL. Rig up Western Co.
and circulate hole clean w/ 10 bbls fresh water. Spot 250
gals 7½% inhibited HCL from 3496-3120' GL. P.O.O.H. w/ tbg.
S.D.O.N.

11-12-81 Rig up Jetronics Inc. and run Gamma Ray-CCL correlation log
from PBTD 3513' to 3100' and from 2800' to 1900'.

Perforate Pictured Cliffs formation using 3-1/8" hollow carrier
gun at 3554-58' and 3466-72' for a total of 12 holes.

Rig up Western Co. and foam fracture the Pictured Cliffs Fm.
using 70% N₂ foam as follows:

10,000 gals foam pad
10,000 gals foam w/ 1 ppg 10-20 sand
12,500 gals foam w/ 2 ppg 10-20 sand
2,320 gals foam flush

Total fluid: 248 bbls water, 329,420 SCF of N₂, 76 gals
frac foam

Total Sand: 35,000# 10-20 mesh

Treating pressures: Max ±1850 psi, Min ±1350 psi, Ave 1500 psi
ISDP ±1000 psi, 10 min. shut-in ±950 psi
Average injection rate ±20 BPM

Well opened to atmosphere thru 1" choke at 2:05 p.m. S.D.O.N.

11-13-81 Well flowing approx. 600 MCF/day of gas and large amounts of
water. T.I.H. w/ tbg. Tag sand at 3487' (all perfs clear).

Ran 107 jts. of 1½" 2.4#, V-55, 10 Rd, EUE tubing. T.E. 3459.14
set at 3458' GL. Flange up well head and rig down.