

6 USGS, Fmn 1 So. Union Expl. 1 McHugh

1 File 1 TR

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 a well in a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ 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: 890' FSL - 800' 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:

☐
☒
☒
☐
☐
☐
☐
☐

5. LEASE
NM 28747
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Ballymaloe
9. WELL NO.
1
10. FIELD OR WILDCAT NAME
Undesignated Chacra
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 25 T23N R7W
12. COUNTY OR PARISH
Sandoval
13. STATE
NM
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
7210' 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 11-20
acid 11-24
frac 12-3-81

Note: no tubing

Subsurface Safety Valve: Manu. and Type

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

SIGNED

Thomas A. Dugan

TITLE

Petroleum Engineer

DATE

12-15-81

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NMOCC

Set @ Ft.

ACCEPTED FOR RECORD

DEC 17 1981

FARMINGTON, N.M.
BY

DAILY REPORT

11-20-81 Move in and rig up Hinson Service Co. Rig up Southwest Surveys and run GR-CCL correlation log from 2793 (PBD) to 1900'.
 Perforate Chacra Formation using 2-1/8" glass jet bi-wire gun from 2474-2492 for a total of 18 holes. Rig up swab tools. Made 4 swab runs. Recovered less than 50' of water on last 3 runs. Let well set for 30 mins. Fluid level did not rise. Recovered no water. Rig down and shut well in.

DUGAN PRODUCTION CORP.
 Bailymatloe #1
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11-24-81 Move in and rig up Hinson Service Co. SIPC TSTM. Made 1 swab run and recovered 150' of water. Acidize perfs w/ 2 gal soap, 250 gals 15% HCL and 15 bbls water flush. Formation broke down at 950 psi. Displaced acid at 4 BPM and 650 psi. ISDP $\pm$ 450 psi. 10 min. shut-in press $\pm$ 400 psi. Shut well in for 30 mins. Made 4 swab runs w/ well gassing on last 2 runs. Lowered fluid level to 2400'. Let well sit for 30 mins. Fluid level had not risen. Made 2 swab runs and recovered 150' of gas-cut water. Well on vacuum after last run. Shut well in and rig down.

12-3-81 Rig up Western Co. and Foam fracture the Chacra Formation using 70% N₂ foam as follows:

5,000 gals pad
 5,000 gals foam w/ 1 ppq 10-20 sand
 10,000 gals foam w/ 2 ppq 10-20 sand
 600 gals foam flush

Dropped 5 ball sealers at 5,000 gals in 2# stage. Pressure increased from 3200 psi to 4150 psi; then broke back to 3000 psi.
 Total fluid: 198 bbls. water; 264,057 SCF N₂; 56 gals frac foam
 Total Sand: 25,000# of 10-20 mesh
 Treating Pressures: Max $\pm$ 4150 psi; Min $\pm$ 3050 psi; Ave 3350 psi
 ISDP $\pm$ 1300 psi; 10 min. shut-in press $\pm$ 1200 psi
 Injection rate $\pm$ 20 bpm

12-4-81 Well flowing approx. 25-30 MCF/day of gas and slugging foam. Shut well in.
 12-5-81 Opened well to atmosphere thru 3/4" choke at 3:00 p.m. 12-3-81.

12-5-81 Opened well for 1 hrs. 15 mins. Flowed gas for 10 mins. then began lifting foam. Replaced 4 1/2" frac valve with 2" ball valve; well flowing approx. 50 MFC/day of gas with heavy slugs of foam. Shut well in.