

6 - USGS 1 - File 2 - MF

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: 1570' FNL - 1030' FEL

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:

☒
☒
☐
☐
☐
☐
☐
☐

(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 Mancos completion - acid, perfs 11-27-81
frac 11-28-81

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 12-1-81

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE DATE

Set @ _____ Ft.

ACCEPTED FOR RECORD

DEC 03 1981

FARMINGTON DISTRICT

DUGAN PRODUCTION CORP.

Divide #1

Page 5

11-27-81 Rigged up Western Co. and pressure tested 4½" csg. and B.O.P. to 4000 psi. Held OK. Spotted 350 gals 10% acetic acid. P.O.H. with tbg. Jetronics ran gamma-ray correlation and collar logs. PBTD 7671' to 7200' and 6300' to 5800'.

Perf w/ 3-1/8" cased gun. 7660-70 (5 holes), 7620-30 (5 holes), 7602-10 (4 holes), 7554-7562 (4 holes), 7480-90 (5 holes), 7442-56 (7 holes), 7415-21 (3 holes), 7310-22 (6 Holes), 7276-7282 (3 holes), 7266-72 (3 holes). Total Mancos perfs - 45. S.D.O.N.

11-28-81 Western Co. - rig up. Broke down Mancos Shale formation at 1600 psi. Ran 750 gal 15% HCL with 60 balls. Establish I.R. at 40 BPM at 3200 psi. Broke to 40 BPM at 2700 psi. Had good ball action and several breaks. Did not ball off. I.R. 18 BPM at 2450 psi before shut down. ISDP 600 psi. Bled pressure off. Jetronics ran junk basket to PBTD 7670'. Recovered 44 balls-32 balls with hits.

Western Co. fraced Mancos Shale Formation from 7272 to 7670. Start pad out at 51 BPM & 2100 psi. When ½# sand hit, pressure started to increase. Started 1#/gal; pressure continued to increase. Frac acted like it was going to sand off; cut sand, flushed hole, pressure leveled off. Started sand again at ½#; increased to ¾# per gal. with 1090 bbls in. Increased sand to 1#/gal, fracing at 3400 psi and 28 BPM when ball injector started to leak badly. Decided to flush. Fraced with total of 1952 bbls water, 2½#/1000 gal FR-2, 60,000# 20-40 sand, 1 gal Aquaflo per 1000 gal frac water. I.F. 1800 psi, Min. 1800 psi, Max 3800 psi, Ave 3200 psi, Final 3500 psi. ISDP 900 psi. 15 min shut-in 450 psi. Max I.R. 51 BPM. Ave I.R. 31 BPM.