

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: 790' FSL - 1610' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

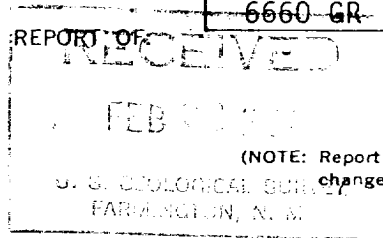
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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(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 foam frac 1-29-82.



Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Jim L. Jacobs TITLE Geologist DATE 2-1-82

(This space for Federal or State office use)

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

ACCEPTED FOR RECORD

FEB 3 1981

*See Instructions on Reverse Side

NMOCC

FARMINGTON District
BY [Signature]

- 2-19-81 Rigged up the Western Co. and FWS swabbing unit. Pumped 250 gals of 15% HCL w/ inhibitor and displaced w/ 9.6 bbls of water. Dropped 8 balls w/ 125 gals of acid placed. Ball action increased pressure 100 psi. Dropped 8 balls after all acid placed. Ball action increased pressure 400 psi. Break down pressure 1700 psi. Average pressure 900 psi. Maximum pressure 1500 psi, minimum pressure 600 psi. Average pump rate 3 BPM. ISDP 650. Vacuum in 15 min. Swabbed well down.
- 8-27-81 Rigged up Action Well Service swabbing Unit #9. Made four swab runs. Swabbed well down. Fluid level $\pm 800'$. Waited 20 min. Swabbed well, casing accumulated $\pm 150'$ fluid. Swabbed well down. Waited 30 min. Swabbed well; casing accumulated 200' fluid. Took sample. NO show of gas. ± 300 -350' per hr liquid entry. Released swabbing unit 11:00 a.m. 8-27-81.
- 1-12-82 Moved in Cementers Inc. Plugged back Chacra Formation, using 8 sx cement followed by 2-7/8" wiper plug; displaced using 8 bbls. water to 1370'. Plan to test Fruitland Formation. If deemed productive, plan to complete well.
- 1-20-82 Moved in and rigged up Hinson Service Co. Swabbed well from 0' to 1000'. Rigged up Southwest Surveys; Perforated Upper Chacra interval from 1275-1303', total of 28 shots, one shot per foot, using 2-1/8" bi-wire glass jet gun. Swabbed well down; waited ± 20 min. Swabbed again. No show of gas or oil. No substantial amount of fluid entry. Shut well in.
- 1-21-82 Opened valve; whisper of gas. Rigged up Cementers Inc. Pumped 250 gals of 15% HCL and displaced with 8½ bbls of water. Formation breakdown pressure 3000 psi. Average pump rate 3 BPM at 600#. First swab run, well kicked off. Made two more additional swab runs. Good show of gas. Rigged down. Shut well in.
- 1-29-82 No pressure on csg. Rig up Western Co. and foam fracture the Chacra Formation using 70% N₂ foam as follows:

5,000 gals foam pad
5,000 gals foam with 1 ppg 10-20 sand
7,500 gals foam with 2 ppg 10-20 sand
317 gals foam flush

Total Fluid: 127 bbls. fresh water, 32 gals frac foam 102,735 scf N₂
Total sand: 20,000# of 10-20 mesh
Treating Pressures: Max ± 1800 psi, Min ± 1700 psi, Ave ± 1700 psi
ISDP 875 psi, 15 min shut-in 800 psi
Average injection rate ± 20 bpm.

Well opened to atmosphere thru ½" choke at 2:50 p.m.