

5 MMS, Fmn 1 So Un Expl

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

1 File

5. LEASE
NM 25425
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Grand Gulch

9. WELL NO.
2

10. FIELD OR WILDCAT NAME
Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR
M AREA
Sec 6 T24N R7W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
7165' GL 7177' RKB.

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' FNL - 790' 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:

SUBSEQUENT REPORT OF:

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

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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 report of acid 6-3
perfs, acid & frac 6-4
tubing 6-5-82.



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 6-7-82

(This space for Federal or State office use)

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

NMOCC

- 6-2-82 Drlg. 60' cement and D.V. tool at 2684'. Go in hole. Tag up at 5037'. Drlg. 180' cement. Drlg. on D.V. tool. Shut down.
- 6-3-82 Finish drlg. D.V. tool. Tag up 7060'. Drlg. out cement and junk to $\pm 7216'$. Circulate clean. Rig up Western Co. Pressure test to 4000 psi. OK. Spot 250 gal 7½% HCL in csg. P.O.H.
- 6-4-82 Finish P.O.H. Rig up Geosource. Ran GR-CCL from PBTD 7230' to 6800', 6650' to 5850'.

Perforate Dakota Formation as follows: 6941-49 (8 holes), 6954-58 (4 holes), 7179-89 (10 holes). Total 22 holes. Rig up Western Co. Breakdown perfs with water at 2500 psi. Acidize with 500 gals 15% HCL. Drop 35 ball sealers. Ball off with 4000 psi. Ran 4½" junk basket. Unable to get thru top D.V. tool at 2684'. Flowed well back. Shut in 15 min.

Frac well as follows:

12,500 gal Mini Max III-30 pad
10,000 gal Mini Max III-30 + ½ # 20-40 sand
20,000 gal Mini Max III-30 + 1 # 20-40 sand
25,000 gal Mini Max III-30 + 2 # 20-40 sand
5,000 gal Mini Max III-30 + 2 # 10-20 sand
Flush to perfs with water.

ISDP 2350 psi 15 min shut-in 1900 psi
Max. treating pressure 3100 psi Min. treating pressure 3000 psi
Ave. treating pressure 3000 psi at 23 BPM

Totals:	75,000# 20-40 sand	73 gal Aquaflo
	10,000# 10-20 sand	500 gal 15% HCL
	40 bbl. condensate	½ gal I-15
	74# breaker B-5	35 RCN ball sealers

- 6-5-82 Opened well up-flowing back small amount of water. Small show of gas. Tag sand at 7154'. Cleaned out to 7215'. Landed tubing as follows: 224 jts. 1½" O.D., 2.9#, V-55, 10 Rd, EUE tubing. T.E. 7145.88' set at 7154' RKB. Nipple down B.O.P. Nipple up well head. Left well open thru tubing. Rig down MTK.