

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

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 "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐		5. LEASE DESIGNATION AND SERIAL NO. NM 2337
2. NAME OF OPERATOR Dugan Production Corp.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Box 234, Farmington, NM 87401		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1700' FNL - 1450' FWL		8. FARM OR LEASE NAME Chaco
14. PERMIT NO.		9. WELL NO. 3
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6583' GR		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 1, T. 24N, R. 9W
		12. COUNTY OR PARISH San Juan
		13. STATE NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data.

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OR	
TEST WATER SHUT-OFF	☐	WATER SHUT-OFF	☐
FRACTURE TREAT	☐	REPAIRING WELL	☐
SHOOT OR ACIDIZE	☐	ALTERING CASING	☒
REPAIR WELL	☐	ABANDONMENT	☒
(Other)	☐	(Other)	☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)*

3-23-78 Pulled 2-3/8" tbg. Rigged up Blue-Jet and set HOWCO Speedieline bridge plug @ 6217' RKB. Perforated with 3-1/8" cased guns 1-"Bull Jet" per foot 6151-6168', 6121-6135', 5836-5846', 5720-5730', 5454-5464', 5384-5394', 5354-5364', 5298-5308', 5213-5223', and 5188-5198'. Prep to go in hole with bridge plug and packer to acidize perfs.

(Cont'd on Back)

MAR 20 1978
OIL & GAS
DIST. 3

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

SIGNED Thomas A. Dugan TITLE Petroleum Engineer DATE 3-23-78

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Wrip in hole with Baker retrievable bridge plug and 4-1/2" Baker retrievable packer set bridge plug @ 5270' and packer @ 5172'. Attempted to breakdown perfs 5188-5198 and 5213-5223, unable to breakdown w/4500 psi. Spotted 8 bbls (336 gals) 15% HCl acid across perfs. Attempted to breakdown w/4800 psi. Did not breakdown. Attempted to move bridge plug and packer to acidize second interval. Apparently backed off above packer. Went to bottom and screwed into fish. Pulled bridge plug to 5353' and set same - pulled packer to 5270' and set. Acidized perfs 5298'-5308' w/8 bbls 15% HCl acid. BD pressure 2800 psi Average treating pressure 1400 psi @ 3.8 B/M. No change in treating pressure when acid hit formation. ISDP 600 psi 2 min. closed in pressure 600 psi. Moved bridge plug to 5431' and set packer @ 5336' and acidized perfs 5354-5364' and 5384-5394' w/8 bbls 15% HCl acid. BD pressure 2700 psi, Maximum TP 2000 psi @ 3.75 B/M. Min. TP 1750 psi @ 3.8 B/M. ISDP 600 psi. Treating pressure dropped 100 psi when acid hit formation. Moved bridge plug to 5529' and packer to 5434'. Acidized perfs 5454-5464' w/8 bbls 15% HCl. Breakdown 2700 psi. Maximum TP 2000 psi @ 3.7 B/M. Min TP 1250 @ 3.8 B/M. 500 psi pressure break when acid hit formation. ISDP 250 psi 2 min stdg press 250 psi. Well flowed back strong after this job. Moved bridge plug to 5794' and packer to 5693'. Acidized perfs 5720'-5730' with 8 bbls 15% HCl. BD pressure 3800 psi back to 3100 psi. Maximum treating pressure 3200 psi @ 3.65 B/M. Min TP 2700 psi @ 3.7 B/M. 200 psi break when acid hit formation ISDP 1600 psi 2 min stdg. pressure, 1600 psi. Moved bridge plug to 5892' and packer to 5791'. Acidized perfs 5836-5846' w/8 bbls. 15% HCl acid. BD pressure 3500 psi Maximum treating pressure 3500 psi. Minimum treating 3100 psi @ 2.5 B/M. Ave. TP 3300 psi @ 3.0 B/M. Attempt to drop ball sealers - ball dropper failed got only 11 balls dropped. No ball action. No pressure break when acid hit formation. ISDP 2650 psi. 2 min stdg press. 2650 psi. Shut well in overnight.

Western Co. Frac Gallup and Greenhorn fm 6168 to 5188 using 1779 HP, 52,000 #20-401 sd 1485 bbls water with 2-1/2# of FR2 and 1-1/2 gal aquaflo per 1000 gal. IF 1900 psi, Min 1200 psi, Max 3700 psi, Ave 2300 psi. Final 1600 psi ISDP 1000 psi, 15 min SI of 10 balls each, first drop press increased 300 psi, 2nd drop increased 400 psi, 3rd drop press increased 1000 psi, 4th drop press increased to 3700 psi, Western shut trucks down press dropped to 500 psi and some balls came off perf. Finished frac at 1600 psi. Shut well in overnight.