

5 USGS, Fmn 2 BIA, Crownpoint  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

1 TR 1 File 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 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: 2310' FSL - 2310' FEL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

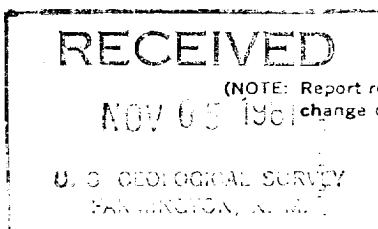
5. LEASE  
N00-C-14-20-4313
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Navajo Allotted
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME  
Lava Falls
9. WELL NO.  
#1
10. FIELD OR WILDCAT NAME  
Undesignated Gallup
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec 27 T24N R8W
12. COUNTY OR PARISH  
San Juan
13. STATE  
NM
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
6770' GL

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:

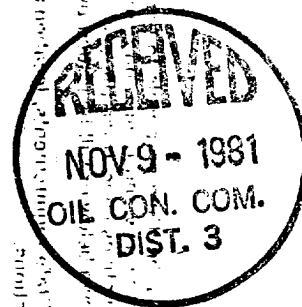
- ☐  
☒  
☒  
☐  
☐  
☐  
☐  
☐



(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 report of completion.



Subsurface Safety Valve: Make and Type \_\_\_\_\_

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

SIGNED Thomas A. Dugan TITLE Petroleum Engineer DATE 11-4-81

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

NMOCC

- 10-29-81 Move in and rig up MTK Rig #2. Nipple up csg. head and BOP. Go in hole w/ 3-7/8" bit and tbg.
- 10-30-81 Finish going in hole. Tag up at 4360'. Drlg. at 55' cement. Drlg. D.V. tool at 4414'. Go in hole w/ tbg. Tag up at 5315'. Drlg. out to 5332'. Circulate clean.
- 10-31-81 Finish drlg. out to ±5435'. Circulate hole clean. Rig up Western Co. Pressure test to 4000 psi. OK. Spot 250 gal 7½% HCL. P.O.H. Rig up Jetronics. Ran GR-CCL from PBTD 5440' to 4900', 4400' to 4000'.

Perforate Gallup 5188-5198 (5 holes), 5204-5218 (7 holes), 5236-5246 (5 holes), 5318-5324 (6 holes), 5231-5239 (8 holes, 5360-5366 (6 holes). Total 37 holes. Swab test.

- 11-1-81 Rig up Western Co. Break formation w/ wtr. at 2800 psi at 40 BPM. Establish rate of 50 BPM at 2700 psi. Acidize w/ 335 gal. 15% HCL. Drop 50 ball sealers. Did not ball off. Max press 2700. Good ball action. ISDP 1100 psi. Ran 4½" junk basket. Recovered 46 balls. (8 hits, 28 no hits).

Fraced Gallup formation as follows:

10,000 slick water - pad  
7,140 gal slick water w/ 1# 20-40 sand  
42,714 gal slick water w/ 1½# 20-40 sand  
3,570 gal slick water - flush

ISDP 1500 psi      15 min. shut-in 1100 psi  
Max press 3500 psi; min press 3300 psi  
Ave. pressure 3400 psi at 53 BPM

Totals: 63,424 gal slick water , 71,211# 20-40 sand, 85 gal Aquaflo, 250# FR-2

Left well shut in 2 hrs. Open up to pit. Flowed back strong for 1 hr. Went in hole w/ tbg. Tag sand at 5381. All perfs open. Well flowing back.

Land tbg. as follows: 174 jts. 2-3/8" OD, 4.7#, J-55, 8 Rd, EUE, Limited service tubing. T.E. 5309.96' set at 5318' RKB. Seating nipple at 5285'. Pumped out plug. Left well open thru tbg. over night.

- 11-2-81 Well flowing and swabbing to tank. Made 7 bbls oil in 5.5 hrs. Gassing some - not measured.

I.P. 30.5 BO/day      Gas not measured