

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.)

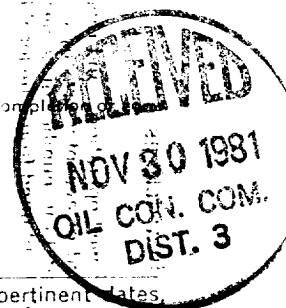
1. oil well ☒ gas well ☐ other ☐  
2. NAME OF OPERATOR  
DUGAN PRODUCTION CORP.  
3. ADDRESS OF OPERATOR  
P O Box 208, Farmington, NM 87401  
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 2160' FNL - 2310' FEL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:  
TEST WATER SHUT-OFF ☐ ☐  
FRACTURE TREAT ☐ ☒  
SHOOT OR ACIDIZE ☐ ☒  
REPAIR WELL ☐ ☐  
PULL OR ALTER CASING ☐ ☐  
MULTIPLE COMPLETE ☐ ☐  
CHANGE ZONES ☐ ☐  
ABANDON\* ☐ ☐  
(other) ☐ ☐

5. LEASE  
NM 28734  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
7. UNIT AGREEMENT NAME  
8. FARM OR LEASE NAME  
Lough Erne  
9. WELL NO.  
1  
10. FIELD OR WILDCAT NAME  
Lybrook Gallup  
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec 4 T23N R6W  
12. COUNTY OR PARISH  
Rio Arriba NM  
13. STATE  
14. API NO.  
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
6725' GL

(NOTE: Report results of multiple completion 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 perfs 11-18-81  
frac 11-18-81  
tubing 11-19-81.

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 11-23-81

(This space for Federal or State office use)

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

ACCEPTED FOR RECORD

NOV 25 1981

FARMINGTON DISTRICT

BY

DUGAN PRODUCTION CORP.  
Lough Erne #1

- 11-12-81 Move in MTK Rig #2
- 11-13-81 Shut down
- 11-14-81 Shut down
- 11-15-81 Shut down
- 11-16-81 Rig up MTK. Go in hole w/ tbg. and 3-7/8" bit. Tag up at 4355'.  
Drlg. cement and DV tool at 4362'.
- 11-17-81 Finish drlg. D.V. tool. Go to bottom w/ bit. Tag up at 5600'.  
Drlg. out to  $\pm 5630'$ . Rig up Western Co. Press. test to 4000 psi.  
OK. Spot 250 gal 7½% HCL. TOH.
- 11-18-81 Rig up Jetronics. Ran GR-CCL from PBTD 5621 to 4950'.  
  
Perforate Gallup 5264-70 (3 holes), 5308-24 (8 holes), 5341-49 (4 holes), 5398-5406 (3 holes), 5408-14 (3 holes), 5449-73 (12 holes), 5528-34 (3 holes). Total 35 holes. Rig up Western Co. Break formation w/ wtr. at 2000 psi at 30 bbl/min. Acidize w/ 500 gals 15% HCL. Dropped 50 ball sealers. Did not ball off. Max pressure 1950 psi at 10 bbl/min. Ran 4½" junk basket. Basket picked up 46 balls (13 hits).  
  
Fraced Gallup Formation as follows:  
  
10,000 gal slick water - pad  
4,830 gal slick water w/ 1# 20-40 sand  
46,662 gal slick water w/ 1½# 20-40 sand  
3,696 gal slick water - flush  
  
ISDP 850 psi 15 min. 700 psi  
Max press. 1850 psi Min press 1700 psi  
Ave press 1750 psi at 46 bbl/min  
  
Totals: 75,000# 20-40 sand; 65,188 gal slick water; 88 gal Aquaflo; 250# FR-2; 500 gal 15% HCL
- 11-19-81 Opened well up. Flowing back very little. Went in hole w/ tbg. Tag sand at 5580'. Landed tbg. as follows: 172 jts. 2-3/8" OD, 4.7#, V-55, 8 Rd, EUE tbg. T.E. 5494.32' set at 5500' RKB. Unable to pump out plug. Went in hole w/ sinker bar. Unable to push plug out of tbg. T.O.H. w/ wet string.
- 11-20-81 T.I.H. w/ tbg. (Well was dead.) Checked for sand fill-up - none. Landed tbg. at 5500' RKB. Shut well in. Rig down MTK. Move to Divide #1.