

Form 9-331
(May 1953)

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

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

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM 16470

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Bengal A

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Gallegos Gallup

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 1, T26N, R12W

12. COUNTY OR PARISH 13. STATE

San Juan

N.M.

1. OIL ☐ GAS ☒ OTHER ☐
WELL WELL

2. NAME OF OPERATOR

Dugan Production Corp.

3. ADDRESS OF OPERATOR

P. O. Box 234, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1980' FSL, 1980' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5998' GR

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☒ALTERING CASING ☐ABANDONMENT* ☐

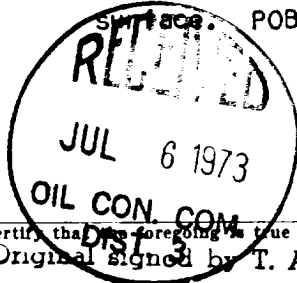
(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

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.)*

6-16-73 Cleaned out hole to top of 5-1/2" casing at 2210', mud badly, gas and oil cut. Vis 45, Wt 8.5, WL 11.6. Circulated hole during night.

6-17-73 Pulled out of hole, ran 7-5/8" collar with clusterite, 1 jt 7-5/8" 26.40# casing, and 54 jts 5-1/2" O.D. 15.5# casing. Milled and washed over top of 5-1/2" casing stub, washed to 2243'.

6-18-73 Set 5-1/2" casing down on casing stub. Went in hole with 4-3/4" bit and 2-7/8" tubing, no trouble getting in 5-1/2" casing stub. Drilled 25' cement from 2215' to 2240', pulled out of hole. Dowell cemented 5-1/2" casing with 150 sx 40-60 plus 100 sx Class "C" (total slurry 600 cu. ft.). Displaced cement with 51 bbls water, no cement to surface. POB 4:00 p.m. 6-17-73, good mud circulation while cementing.



(Cont'd Next Page)

JUL 5 1973

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

Original signed by T. A. Dugan

SIGNED

Thomas A. Dugan

TITLE

Engineer

DATE

7-3-73

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

- 6-22-73 PBDT 5270'. Went in hole with Baker casing scraper and 4-3/4" bit, drilled and scraped casing 5028-5265', circulated hole clean, pulled casing scraper, Go International ran Gamma Ray Correlation log. Re-perf 2 jets/ft 5096-5106' and new perf 2 jets/ft 4993-5003', went in hole with Baker bridge plug and Baker Model R packer.
- 6-23-73 PBDT 5270'. Set Baker bridge plug at 5200' and Baker Model R packer at 5148'. Acidized perf 5169-5177' with 100 gallons 15% HCL acid, breakdown 1800 psi, pumped in at 1200 psi, pressure broke to 700 psi when acid hit. Moved bridge plug to 5148', set packer at 5068'. Acidized perfs 5095-5110' and 5115-5125' with 300 gals 15% HCL acid. Breakdown 1200 psi, pressure broke back to 700 psi when acid hit, continued at 700 psi to end of job. Moved BOP to 5068' and Baker Model R packer at 4973'. Acidized perfs 4993-5003' with 300 gals acid. Breakdown pressure 800 psi, broke back to 250 psi, continued to end of job. Pressured up on 5-1/2" casing to 1500 psi on back side - held OK. Shut down for night.
- 6-24-73 Shut down Sunday.
- 6-25-73 PBDT 5270'. Set Baker bridge plug at 5200' and Baker Model R packer at 5147'. Filled back side of tubing, Western Co. frac Gallup perf 5169-77' down 2-7/8" tubing with 50 bbls slick water and 40 bbls Mini-Max pad, 140 bbls Mini-Max with 5000# 10-20 sand flushed with 31 bbls slick water, reversed 2' sand off bridge plug. IF 3900 psi, Max 4400 psi, Ave 4000 psi, Min 3300 psi, Final 3700 psi, ISI 650 psi, 15-min SI 400 psi, Max IR 15 B/M, Ave IR 12.8 B/M. Flowed well back 5 min - died. Circulated 2' sand off bridge plug.
- Set Baker bridge plug at 5147' and Baker Model R packer at 5068'. Fraced Gallup perf 5095-5110' and 5115-5125' down 2-7/8" tubing with 50 bbls slick water and 40 bbls Mini-Max pad, 140 bbls Mini-Max with 5800# 10-20 sand, flushed with 35 bbls slick water. IF 3600 psi, Max 3600 psi, Min 2800 psi, Ave 3000 psi, Final 3100 psi, ISI 800 psi, 15-min SI 700 psi, Max IR 15 B/M, Ave IR 14.4 B/M. Flowed well back, washed 8' sand off BOP.
- Set Baker bridge plug at 5068' and Baker Model R packer at 4973'. Fraced Gallup perf 4993-5003' down 2-7/8" tubing using 50 bbls slick water and 75 bbls Mini-Max pad, 332 bbls Mini-Max with 23,000# 10-20 sand. IF 3400 psi, Max 3400 psi, Min 2900 psi, Ave 3000 psi, Final 3000 psi, ISI 1100 psi, 15-min SI 800 psi, Max IR 17 B/M, Ave IR 16.2 B/M.
- Pumped 23 bbls slick water flush, ran out of fluid. Under-flushed 8 bbls, reversed out frac fluid, reversed out 20' of sand above bridge plug, pulled bridge plug and packer, laid down 2-7/8" tubing.
- 6-26-73 Ran 168 jts 2-3/8" O.D., 4.7#, J-55, 8R, EUE internally plastic coated Condition "B" tubing set at 5182' RKB with Baker Model E packer at 4928'. Set 12,000# on packer, before setting packer reversed out 30' frac sand from bottom of hole, hole taking fluid and well kicked off and flowed 30 min while circulating hole.
- 6-27-73 Moved off rig. Will swab with smaller rig.