

Form 9-331
Dec. 1973Form Approved.
Budget Bureau No. 42-R1424UNITED 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: 1850' FSL - 790' 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 25842

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Merry May

9. WELL NO.

#1

10. FIELD OR WILDCAT NAME

Basin Dakota

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

Sec 24 T 24N R10W

12. COUNTY OR PARISH 13. STATE

San Juan

NM

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6891'

(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 attached sheets for: 4½" csg and cementing, 9-30-80

perfs, 11-28-80

frac, 12-1-80

2-3/8" tbg, 12-3-80

Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

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

SIGNED Thomas A. Dugan

TITLE

Engineer

DATE

12-9-80

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

BW

NMOCC

9-25-80 5568' - drlg. wt. 8.7 Vis 30 1⁰ @ 4768'; 1-3/4⁰ @ 5298'
1/4 hr - trip
22-1/4 hrs - drilling
3/4 hr - rig service
1/4 hr - survey
1/2 hr - wash to btm.

9-26-80 6094' - drlg. wt. 9.0 Vis 75 1-3/4⁰ @ 5980'
20-1/2 hrs - drilling
1/2 hr - rig ser.
1/4 hr - survey
2-3/4 hrs - lost circ.

9-27-80 6180' T.D. Cleaning out Bridge. Wt. 9.1 Vis 120 1⁰ @ 6180'
11-3/4 hrs - trip
7-3/4 hrs - drlg.
1/4 hr. - rig ser.
2-1/4 hrs - circ.
2 hrs - attempt to log . Stopped @700'.

9-28-80 TD 6180' - conditioning hole for logging - unable to get below 450'.

9-29-80 TD 6180' - trip to btm w/ drill pipe. Attempt to log three times before getting to TD. and running I.E.S. and C.D.L. logs. Now going in hole with drill pipe.

9-30-80 Finish T.I.H. w/ drill pipe. Laid down drill pipe and collars. Rigged up and ran 151 jts 4 1/2" O.D., 10.5#, K-55, 8 Rd, ST&C csg. T.E. 6216.07' set @ 6210' RKB. Cemented first stage w/ 10 bbls mud flush followed by 250 sx class "B" 40% gel and 1/4# celloflake per sx followed by 150 sx class "B" neat w/ 1/4# celloflake per sx. Reciprocated pipe OK and had good returns while cementing. (Total slurry 557 cu. ft.) Float failed to hold. Left shut in 30 minutes and released - held OK. Dropped opening bomb and opened stage tool @ 4228' w/ 1400 psi. Circulated 3 hrs w/ rig pump. Cemented 2nd stage w/ 10 bbls mud flush followed by 400 sx 65-35 w/ 12% gel & 1/4# celloflake per sx followed by 50 sx class "B" w/ 1/4# celloflake per sx. Closed stage tool w/ 2500 psi. (Total slurry second stage 1203 cu. ft.)

9-31-80
thru
11-20-80 Waiting on completion.

DAILY REPORT

- 11-21-80 M.I.R.U. MTK double pulling unit. Go in hole w/ tbg and bit. Ran 75 jts 2-7/8" tbg. Slips wouldn't hold. Shut down.
- 11-22-80 Shut down
- 11-23-80 Shut down - Sunday
- 11-24-80 Finish going in hole - tag D.V. tool @ 4268'. Drlg. D.V. tool. Go in hole, tag up @ 6117'.
- 11-25-80 Drlg. cement out to 6190'. Came out of hole. Tbg. count wrong - 1 jt. off.
- 11-26-80 Strap pipe going in hole - T.D. only 6098'. Drlg. cement out to 6190'. Circulate hole for 45 minues. Came out of hole. Shut in.
- 11-27-80 Shut down - Thanksgiving day.
- 11-28-80 Rig up Jetronics. Ran GR-CCL from PBTD 6191' to 5800' and 5350' to 4800'. Perforate Dakota formation 6169'-6175' w/ 2 shots per ft. Total 12 holes. Go in hole w/ Baker Model "R" packer and tbg. Set @ 6147'. Rig up Western Co. Load annulus w/ 1000 psi. Breakdown perfs w/ 300 gals 15% HCL as follows: Initial Breakdown 3600 psi, Ave. treating press 3200 psi, ISDP 1900 psi. 10 min shut in 1200 psi. Rig down Western Co. Start swabbing; well flowing back slightly. Swabbed down to about 500'. No gas show. Shut in.
- 11-29-80 TBG press 200 psi. Fluid level 2500' from top - swabbed down - small show of gas in front of fluid. Came out of hole w/ tbg and packer.
- 11-30-80 Sunday - shut down.
- 12-1-80 Rig up Western Co. Fraced Dakota perfs 6169'-6175' as follows:
5000 gal pad - Mini Max III 40# gel
5000 gal - 1# per gal 20-40 sand Mini Max III - 40# gel
5000 gal - 1½# per gal 20-40 sand Mini Max III - 40# gel
5000 gal - 2# per gal 20-40 sand Mini Max III - 40# gel
4116 gal slick wtr flush
Initial breakdown 3800 psi on pad; Ave. treating press 3000 psi @ 15 bbl/min; ISDP 2100 psi. 15 min - shut in - 1800 psi

Lost 1 pump - press drop from 3400 psi to 3000 psi and rate drop from 22 bbl/min. to 15 bbl/min. Rig up Jetronics. Perf Gallup formation as follows: 5024'-30'; 5038'-48'; 5066'-5076'; 5112'-5124'; 5130'-36'; 5188'-5196'; 5226'-32'. 1 shot/ft. Total 56 holes. Has 375 psi on well after perforating Gallup formation.

12-1-80 Fraced Gallup formation as follows:
(Cont.)

Spearheaded 300 gal 15% HCL acid
5000 gal slick water pad
55000 gal slick water w/ 1# per gal 20-40 sand
3360 gal. slick water flush
Initial breakdown 2800 psi
Ave. treating press 2700 psi @ 40 bbl/min.
ISDP 1000 psi
15 min shut in 800 psi

Left well shut in over night.

12-2-80 Opened well up - small amount of pressure. Went in hole w/
tbg (open end); tag solid sand about 6170'. Couldn't
break circulation. Pick up on tbg. Dragging 10-12 points on
weight ind. Pull 18 stands. Ran 10 stands in hole. Circu-
late bottom up. No sand. Ran 4 stands. Circulate. No
sand. Ran 2 stands - circulating out sand. Clean out to 6090'.
Ran out of water. Shut down.

12-3-80 Finished cleaning out sand to PBTD 6191'. Pulled 32 jts tbg.
Landing tbg @ 5242' RKB. Total of 172 jts 2-3/8" O.D., 4.7#,
J-55, 8 Rd, EUE tbg. Seating nipple top of bottom joint.
Nipple up well head. Swab rest of day.

12-5-80 M.I.&R.U. Farmington Well Service swabbing unit. Csg. Pressure
350 p.s.i.. Made three swab runs; well kicked off to pit.
Left flowing over night.

12-6-80 Checked well and rigged down swabbing unit. Left well open.
Gauged well after flowing to pit for 22 hrs. Making 1400
MCFGPD w/ spray of oil and frac wtr. Shut in for IP.