

5 - USGS (Farmington)

1 - File

1 - Billie KOB...

Form Approved.  
Budget Bureau No. 42-R1424

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

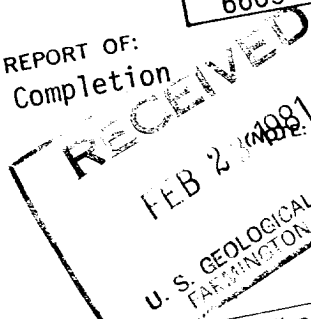
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1850' FSL - 790' FWL SW/4  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

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

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:  
Completion ☒



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 reports for perfs 1-2-81, frac 1-5-81, tubing 1-31-81.



Subsurface Safety Valve: Manu. and Type \_\_\_\_\_

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

SIGNED Jim L. Jacobs

Geologist

DATE 2-20-81

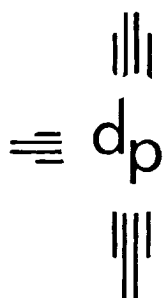
(This space for Federal or State office use)

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

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

\*See Instructions on Reverse Side



# dugan production corp.

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Dugan Production Corp.  
Billie #2  
1850' FSL - 790' FWL  
Sec 35 T22N R8W  
San Juan County, NM

## MORNING REPORT

- 12-18-80      Moved in and rigged up Morrow Drilg. Co. rig. Spudded 8-3/4" hole @ 12:00 noon, 12-17-80. Drilled to 87'. Ran 2 jts. 7" OD, 23#, 8 Rd ST&C csg. T.E. 86.06 set at 87' G. L. Cemented w/ 35 sx class "B". Good cement to surface. P.O.B. at 3:00 p.m. 12-17-80.
- 12-19-80      1260' - Drlg. w/ native mud.
- 12-20-80      T.D. 1480' - Finished drlg. 5" hole to T.D. - conditioned hole. T.O.H. and run I.E.S. log by Welex. Prep to run 2-7/8" csg.
- 12-21-80      T.I.H. and lay down drill pipe. Rigged up and ran 47 jts. 2-7/8" OD, 6.4#, 10 Rd., NEUE tbg for csg. T.E. 1478.69' set at 1477' G.L. Cemented w/ 50 sx 2% Iodense followed by 75 sx class "B" (total slurry 198 cu.ft.). All cement had 1/4# cello flake per sx. Good circulation throughout job. Had trace of cement to surface. P.O.B. at 1:15 p.m. 12-20-80.
- 1-02-81      Rigged up Southwest Surveys, P.B.T.D. 1449'. Ran GR/CLL from P.B.T.D to 500'. Rigged up FWS swabbing unit. Swabbed casing down to 800'. All depths are set back to the open hole IES log. Perf 1164' - 1170', 1 SPF, 6', 6 holes w/ 2 1/8 biwire glass jets. Perf 1143 - 1148, 1 SPF, 5', 5 holes w/ 2 1/8 bi-wire glass jets, Swabbed csg. down. No sign of gas or water entry. Well shut-in.
- 1-05-81      Rigged up the Western Co. Tested lines to 4000 psi. Pumped 315 gals of inhibited 15% HCL acid, followed by 6.5 bbls of water. Breakdown pressure 1750 psi. Average IR 1 BPM. Average pump pressure 500 psi @ 1 BPM. ISDP 500 psi. Foam fraced perfs @ 1143-1148 & 1164-1170 (total 11 holes .43" diameter) w/ 70% quality foam. Pad 5000 gal 70% quality foam followed by 5000 gal 70% quality foam w/ 1 ppg of 10-20 sand and 5000 gal 70% quality foam w/ 2ppg of 10-20 sand. Sand is displaced w/ 1.5 bbls of 70% quality foam. 2 balls (SpGr 1.3, 7/8" diam.) dropped after 8500# of sand placed.

DUGAN PRODUCTION CORP.

Billie #2

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1-5-81  
(cont'd)      No ball action noted. 3 balls dropped after 10,000# of sand placed. 100 psi increase in pressure noted. Total of 5 balls dropped. ITP 1700, max 1900, min 1700, average TP 1800. Average IR 20 BPM. ISDP 500 psi w/70% quality foam, 15 min shut-in 400 psi. Shut well in from 2 hrs. and flowed back on a 5/8" choke.

Materials used: 250 gals inhibited HCL.  
15,000# of 10/20 mesh sand  
100,000 SCF N<sub>2</sub>  
24 gals adafoam  
115 bbls of water,  
5 ball sealers  
265 HHP

1-31-81      MI & RU F.W.S. swabbing unit. Ran 36 jts 1½" OD, 2.4#, 10 Rd, EUE tbg. T.E. 1150.84' set at 1148' GL. Installed well head. Blew well thru tbg. overnight. Shut in for I.P.