

5 MMS, Fmn 1 Billie Robinson
1 Andes

1 File

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 87499

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 870' FSL - 840' FWL
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:

☐
☒
☒
☐
☐
☐
☐
☐
☒ squeeze

5. LEASE

NM 13612

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Snuffle-upagus

9. WELL NO.

2

10. FIELD OR WILDCAT NAME

Wildcat Dakota

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

Sec 27 T24N R12W

12. COUNTY OR PARISH

San Juan

13. STATE

NM

14. API NO.

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

6097' GL & 5109' RKB

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 for details of squeeze, then perfs and frac in Upper Gallup

RECEIVED

APR 20 1983

OIL CON. DIV.
DIST. 3

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED

Jim L. Jacobs
Jim L. Jacobs

TITLE

Geologist

DATE

4-19-83

(This space for Federal or State office use)

ACCEPTED FOR RECORD

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APR 21 1983

NMOCC

*See Instructions on Reverse Side

FARMINGTON DISTRICT

BY

964

- 2-17-83 Rigged up flow line to the three 500 bbl. frac tanks on location. Casing pressure 160# and tubing pressure 140#. Opened up tubing. No indication of oil or gas. Well flowing \pm 100 bbl. formation water per day into tanks.
- 4-14-83 Moved in Well-Tec Rig #98. Location muddy and boggy near well head. Rig stuck, unable to move. Had to get D-6 cat to pull and center unit near well head. Rigged up. S.D.F.N.
- 4-15-83 Finished rigging up. Installed B.O.P. and laid flow line to reserve pit. P.O.O.H. with tubing. Went back in hole with 4½" Baker cement retainer on tubing; top of retainer set at 3936'. Rigged up to squeeze. Pressure tested tubing to 2500#. Stung into retainer and squeezed Gallup perforations 3987-4176, using 40 sx class "B" neat. Displacement as follows:

<u>Displacement</u>	<u>Pressure</u>
0-7 bbls. fresh water	50 psi
7-9 bbls.	275 psi
9-11 bbls.	450 psi
11-13 bbls.	650 psi
13-15 bbls.	950 psi

Pulled out of retainer with 350# pressure. Reverse circulated tubing clean, using 25 bbls. water. Circulated cement returns; less than 1/2 bbl. cement back. P.O.O.H. with tubing. Shut down for night.

- 4-16-83 Moved in and rigged up Jet West Perforators. Perforated Upper Gallup Formation intervals from 3826, 3827, 3828, 3829, 3833, 3839, 3844, 3845, 3846, 3847, 3848, 3849, 3858, 3859. *All depths from Welex CNL-FDL log. 14 shots total, using .37" diameter holes.

Rigged up Western Co. Break down and ball off perfs from 3826-3859, using water, dropping 21 7/8" ball sealers (1 ball per 1/2 BW). Breakdown pressure 2500 psi; pumped average of 10 BPM at 2400 psi. Good ball action. ISIP 3300#; waited 15 min. - pressure 1550#.

Rigged up and went in hole with 4½" Baker Model R double grip packer on tubing. Set packer at 3800'. Made 6 swab runs, fluid level staying 900' from bottom. Waited 15 min. Swabbed again. Fluid level remained constant. Small amount of gas following swab, indication of oil entry. Swabbed less than 1/2 bbl. oil. Released packer. Pulled out of hole with tubing and packer.

Continued

DUGAN PRODUCTION CORP.
Snuffle-upagus #2
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4-16-83 Frac Upper Gallup Formation via 4½" casing
(cont.) Fraced Gallup perfs 3826-3859 using 45,500 gal. water and 47,500#
20/40 sand at 15 BPM with 2850# while treating:

7,500 gallon water with 2% diesel - pad
9,500 gallons slickwater with 2% diesel & ½# 20/40 sand/gal.
9,500 gallons slickwater with 2% diesel & 1# 20/40 sand/gal.
9,500 gallons slickwater with 2% diesel & 1½# 20/40 sand/gal.
9,500 gallons slickwater with 2% diesel & 2# 20/40 sand/gal.

Flushed to 3826 with 2560 gal. water.
ISDP 1100# 15 min. shut in press. 1100#
Max treating pressure 3000 psi
Average treating pressure 2850 psi at 17 BPM
Slickwater contained 2½# FR-2 and 1 gal. Aquaflo per 1000 gal.
Total diesel, 910 gal.

Shut in for night.