

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM-7009

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal 4-21-7

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Section 4-T21N-R7W

14. PERMIT NO.

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

6734 GR

12. COUNTY OR PARISH

13. STATE

Sandoval

N.M.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(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.)*

Please see attached list of drilling operations.

Benson Mineral Group, Inc. intends to plug and abandon this well by spotting a 100' cement plug from the bridge plug at 860' to 760'. Spot 10' cement plug at surface. Location will be cleaned up and re-seeded, and a P&A marker erected.



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

SIGNED

Paul C. Ellison
Paul C. Ellison

TITLE Production Manager

DATE 1/10/79

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

DATE

JAN 15 1979

FEDERAL 4-21-7

RECEIVED

JAN 15 1979

1480' FSL and 870' FEL, 4-21N-7W, SE $\frac{1}{4}$, Sandoval, NM.

U.S. GEOLOGICAL SURVEY

- 7-25-78: MI McDonald Drilling Co. spudder.
- 7-26-78: Drl/TD 60. Spud 7-25-78.
- 7-27-78: Drl/TD 105. 7" CSA 102' x 50 sx Class "B" Neat, 3% CaCl. PD at 17:00 7-26-78. Circ. Good cmt.
- 7-28-78: Release McDonald Spudder. MI x RU B&N Rig 6.
- 7-30-78: TD 1100, MW 8.7, Vis 53. Bit #1 OSC3J, made 1000' in 8 $\frac{1}{2}$. Time Distribution: Drl 8 $\frac{1}{2}$, Trip 3 $\frac{1}{2}$, circ 1, RC 1 $\frac{3}{4}$, log 4, LDDP 1 $\frac{1}{4}$, cmt 2 $\frac{1}{4}$, MM 3, Rep rig 3, other 3/4. 7" CSA 100' GL x 50 sx Class "B" Neat. 4 $\frac{1}{2}$ " CSA 1097' GL x 80 sx 50-50 Poz, 50 sx Class "B" Neat. PD 10:15 7-29-78.
- 7-31-78: SI/Tst csg to 2500 psi. OK. Run CCL. Perg 886-96; 904-12; 933-63 x 1 SPF. Pmp 68 balls in 1000 gal acid. BD pr 1500. Good ball action. Run junk basket. MI x RU Big "A" Rig 1. Run tbg to PBD 1052. Swab.
- 8-2-78: SI WO Perf of upper zone/Swb for 5 hrs. Making 4-6 gal/run. No show of gas. Lay down 2 $\frac{3}{8}$ " tbg.
- 8-4-78: Perf 310-32 x 1 SPF. Pmp 105 balls x 1000 gal acid. Poor ball action. Run junk basket, recover 18 balls. (Hit balls starting at 810'). PBD 1052, could not get below 1035' x junk basket or 1 $\frac{11}{16}$ " logging tool. Reacidize x 1000 gal x 105 balls. Poor ball action. Run junk basket, hit balls starting at 810', no ball recovery.
- 8-7-78: Foam frac x 30,000# 10-20 sd x 15,000 gal 70 quality foam. Max trt pr 1025, Avg trt pr 1025, ISIP 925. AIR 20 BPM. Completed frac at 13:00 8-7-78. 21:00 making heavy slugs water. Let well blow overnight.
- 8-8-78: Blew 24 hrs to clean up. Well dead. Made large amounts of water in pit.
- 8-9-78: SI 24 hrs. Cpc 0. Well dead.
- 8-10-78: SI 36 hrs. Cpc 0. Well dead.
- 8-23-78: Tag fill 1005'. Landed 2 $\frac{3}{8}$ " tbg at 980'. MI x RU Big "A" Rig 1 to swb.
- 8-24-78: Swb/Begin swb, 600' FIH, Swb to 250'-300' FIH. Csg pr climbed to 160 psi by mid day, dropped to 100 psi by end of day. Swb all day. Swb 10-12 run/hr. Making approximately 1 bbl water/run, x 2-3' flare gas at end of each swb run.
- 8-25-78: SI/Swb $\frac{1}{2}$ day. Swb to 250'-300' FIH. CP after $\frac{1}{2}$ day 80 psi. Swb 10-12 run/hr. Making approximately 1 bbl water/run x 2-3' flare gas at end of each swb run.
- 8-29-78: SI/TO x tbg. Set wire line BP at 860. TI x tbg.
- 8-31-78: 2 $\frac{3}{8}$ " tbg landed at 851'. PBD 860'.
- 9-13-78: SI/Sample taken while swb upper and lower PC. RW = .88 ohms at 70°. Sample taken after setting BP x swb upper PC. RW = .61 ohms at 72°.