

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM-23011

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Middleton Federal "13"

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated (Morrow)

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

Sec. 31, T-19-S, R-32-E

12. COUNTY OR PARISH

Lea

13. STATE

New Mexico

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 "APPLICATION FOR PERMIT—" for such proposals.)1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

C & K Petroleum, Inc.

3. ADDRESS OF OPERATOR

600 C & K Petroleum Bldg. Midland, Tx. 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)
At surface

1980' FS & 660' FE Lines, Sec. 31, T-19-S, R-32-E.

14. PERMIT NO.

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

3525 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.)*

Spudded: August 2, 1976. Drilled cement plug to 2372'; test 8-5/8" csg. with 1500# for 30 min.; held o-k. Cleaned out hole to 11,566', old TD. Drilled new hole to 12,597'. 8-15-76 ran DST #1 (Morrow Sand) 12,420 - 12,597'; 15 min preflow - had fair blow of air increasing to strong in 2 min.; ISI 90 min.; Reopened tool for final flow 60 min. w/fair blow increasing to strong in 2 min. Died in 14 min.; bypassed tool after 32 min. - fair blow - died in 12 min.; FSI 180 min.; Rec. DP 435' of drlg. fld - 144,000 ppm CL; Rec Sample Chamber 2080 CC Drlg fld; .3 CFG @ 200 psi; 139,000 ppm CL; Pressures as follows: IFP 163-283; ISIP 576; FFP 163-283; FSIP 4386; IH & FH 6597; BHT 183°F. Drilled to 12,911' TD. 8-24-76 ran DST #2 12,800-12,911' (Morrow Sand). Tool open w/strong blow - GTS 5 min. w/500 psi on 1/4" ck; attempted to close tool after 10 min - tool did not close; remained open 2 hrs 47 min.; surface flowing pressure stabilized @ 3400 psi on 1/4" ck after 72 min. closed tool 6 hrs; reopened tool for 2 hrs flow period; surface flowing pressure stabilized @ 3025 psi on 1/4" ck in 55 min; closed tool in 6 hrs FSIP; Rec 10 bbls condensate & 10 bbl condensate cut drlg fluid; Pit 152,000 ppm Cl; sample 122,000 ppm CL; pressures; IH 6949; IFP 1827-4775; ISIP 5277; FFP 2246-4378; FSIP 4984; FH 6949. 8-26-76 ran DST #3 12,793-12,9 (Morrow Sand). 5 min preflow - GTS 3 min - had 700 pst on 7/16" ck after 5 min. (3350 MCF/d SI 90 min; opened test tool on 7/16" ck - changed to 1/2" ck after 30 min; in 46 min 1225 psi - 7750 MCF/d decreased to 625 psi @ end of test; tool open 12 hrs; SI 12 hrs FSI; DP reversed out 3 bbls distillate & 5 bbls drlg water; Pressures IH 6902; IF 1561-1580; ISIP 5048; FF 1580-1616; FSI 3396; FH 6902. Well not commercial. 8-26-76 preparing to P & A as follows; 75 sx (Top Morrow) 12200-12400, 75 sx (Base Strawn) 11600-11800, 75 sx (Top Strawn) 11200-11400, 75 sx 10408-10608, 35 sx 9350-9450, 35 sx 7250-7350. (Cont'd page #2)

SIGNED

TITLE Administrative Supervisor

DATE Sept. 2, 1976

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

*See Instructions on Reverse Side

APPROVED
AUG 26 1976ARTHUR R. BROWN
DISTRICT ENGINEER