

N.M.O.C.D. COPY

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 ☐ gas ☒ other ☐
well well

2. NAME OF OPERATOR

Yates Petroleum Corporation ✓

3. ADDRESS OF OPERATOR

207 South 4th Street, Artesia, New Mexico

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 660 FSL 660 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:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☒

CHANGE ZONES ☐

ABANDON* ☐

(other) to downhole commingle

RECEIVED

OCT 16 1980

O. C. D.

ARTESIA OFFICE

5. LEASE

NM 0439900-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal CR

9. WELL NO.

1

10. FIELD OR WILDCAT NAME

Eagle Creek Strawn

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

M 29-17S-25E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

14. API NO.

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

RECEIVED

SEP 26 1980

(NOTE: Report results of multiple completion or zone

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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.)*

Production from Strawn perforations has declined to 32 mcfpd. We now propose to to downhole commingle the Strawn completion with the Atoka and Permo Penn as provided for under OCD Order R-5466. The Eagle Creek-Permo Penn and Richard Knob-Atoka Morrow were previously commingled under Order DHC-11-8. It is proposed to allocate future commingled production on the basis of remaining reserves, (calculations work sheet attached):

Richard Knob-Atoka Morrow - Gas = 24%

Cond = 12%

Eagle Creek - Strawn = 4%

= 35%

Eagle Creek-Permo Penn (Canyon) = 72%

= 53%

Commingling will conserve a natural resource and protect correlative rights. Diagrammatic sketch of recompletion attached.

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

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

SIGNED Eddie L. Halderson TITLE Engineer DATE September 25, 1980

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

APPROVED

OCT 10 1980

DISTRICT SUPERVISOR

YPC - Feders CR-1 Unit M, Sec 29-1-25E Eddy County, N.M.

Diagrammatic Sketch of Proposed Downhole Commingling

Elevation: 3612 GL = 3624 KB

Spudded: 7-31-73

Init Compl: 9-25-73 (Atoka Morrow)

Re-Completion 9-23-73 (Canyon)

9-25-80 (Strawn)

Top of San Andres - 634

Base of Artesian Water - 927

17 1/4" hole to 180' KB

13 1/2" 48" J55 Csg set @ 180' KB, cement'd
w/ 100 sx CI "C", circulated.

12 1/4" hole to 1038' KB

8 5/8" 24" J55 Csg set @ 1007' KB, cement'd
w/ 200 sx CI "C", circulated.

DV tool @ 2204' KB - 225 sx. Halo Lite

Eagle Creek - Permo-Penn

Top of Cisco fm @ 6245

Canyon - Remaining Reserves - 72% Gas

SIBHP 1-26-78 = 2243 psig

Top of cement @ 6000'

Perf 6999-7006 15 0.50"

Tt'd 3250 g. 15% + CRA

Perf 7164-7174 20 0.50"

Tt'd 8500 g. 15% + CRA

Eagle Creek - Strawn

Remaining Reserves - 4% Gas

SIBHP 9-8-80 = 1598 psig

DV tool @ 7276 KB - 260 sx CIH

Perf 7643-49 12 0.50" Tt'd 1250 g. 15% DS-30

Perf 7752-58 10 0.50" Tt'd 1250 g. 15% DS-30

Blast joints opposite perforations

Sliding Sleeve & perforated sub @ 7785' KB

Richard Knob - Atoka Morrow

Remaining Reserves - 24% Gas

SIBHP 1-24-78 = 1653 psig

Atoka plug @ 7870' w/ Standing Valve, Tbg Conv
gun w/ Vent assembly @ 7874-78

Perf 7945-7963 72 0.41"

Tt'd Natural Completion

PBTD: 8312 KB

2" 23-26" N-80 Csg set @ 8340', cement'd w/ 205 sx
(690 sx in 3 stages)

TD: 8340 KB

Sub 20

Y/C - Federal CR #1 11-24-175-751

Allocation of Future Conventional Production

Strawn Res 7643-7758

Cum BHP 2.5.73 pwa BHT-594°R $P_R = 628.5$ $T_R = 378$ $Z_c = 0.803$ $V_c = 3142$

9-8-80 BHP- 1598 pwa = 1611 pwa $P_R = 2340$ $T_R = 1571$ $Z_c = 0.834$ $V_c = 1932$

Aband. BHP - $V_a/2 = 95$ pwa

Cum. Prod 6-3-80 to 9-8-80 = 4871 mcf + 32 Bc.

Remaining recoverable reserves =

$$\frac{P_R - P_A}{P_R - P_i} \times V_p = \frac{1932 - 95}{3142 - 1932} (4871) = 739.5 \text{ mcf} + 24 \text{ Bcnd.}$$

Richard Knob Atoka

3-1-78 Remaining Reserves = 75180 mcf + 73 Bcnd.

Cum Prod 2-1-78 to 6-1-80 = 32820 62

9-23-80 Remaining Reserves = 42360 11

Eagle Creek Perm Penn (Canyon)

3-1-78 Remaining Reserves = 920810 mcf + 434 Bcnd.

Cum Prod 2-1-78 to 6-1-80 = 97435 385

9-23-80 Remaining Reserves = 123375 49

Proposed Allocation of Future Production, based remaining reserves:

Richard Knob Atoka Morrow: 42360 mcf = 24% 11 bbls = 12%

Eagle Creek - Strawn : 7395 = 4% 32 = 35%

Eagle Creek Perm Penn (Canyon): 123375 = 72% 49 = 53%

193130

92

Edith M. Halford
9-23-80