

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 deeper or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other ☐
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		

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. Hays TITLE Engineer DATE September 25, 1980

(This space for Federal or State office use)

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

5. LEASE NM 0439900-A	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	RECEIVED
8. FARM OR LEASE NAME Federal CR	OCT 7 1980
9. WELL NO. 1	O. C. D. ARTESIA, OFFICE
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) 3624 KB	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

YPC - Federal CR-1, 16^{1/2} M, Sec 29-17 25E, Eddy County, N.M.

Diagrammatic Sketch of Proposed Downhole Completion

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 3/8" 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. Halco Lite

Eagle Creek - Permian-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"

Trtd 3250 g. 15% + CRA

Perf 7164-7174 20 0.50"

Trtd 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 7643-44 12 0.50" Trtd 1250 g. 15% DS-30
Perf 7752-58 10 0.50" Trtd 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 ply @ 7870' w/ Standing Valve, Ths Conv
gun w/ Vent assembly @ 7874-78

Perf 7945-7963 72 0.41"

Trtd Natural Completion

PRTD: 8312 KB

7" 23-26" N-80 Csg set @ 8340', cement'd w/ 205 sx
(640 sx in 3 stages)

TD: 8340 KB

Elmer
-80

WPC Federal CR #1 11-29-175-751
Allocation of Future Commingled Production

Strawn Hs 7643-7758

Orig BHP 2523 psia BHT-594°R $P_R = 672.5$ $h_c = 318$ $q_p = 300$ 1.571
 $Z_c = 0.803$ $1/2 = 3142$

9-8-80 BHP- 1598 psig = 1611 psia. $P_R = 2340$ $T_R = 1571$ $Z_1 = 0.854$ $1/2 = 1932$

Aband. BHP- $P_a/2 = 9.5$ psia.

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

Remaining recoverable reserves:

$$\frac{P_R - P_a}{P_c - P_i} \times h_p = \frac{1932 - 95}{3142 - 1932} (4871) = 7395 \text{ mcf} + 24 \text{ Bbl.}$$

Richard Knob Atoka

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

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

9-23-80 Remaining Reserves = 42360 11

Eagle Creek Permian (Canyon)

3-1-78 Remaining Reserves = 320810 mcf + 434 Bbl.

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 Permian (Canyon): 123375 = 72% 49 = 53%

173130

92

Edith M. Halford
 9-23-80