

CANTAFE	1	
FILE	1	✓
U.S.G.S.	2	
LAND OFFICE		
OPERATOR	1	

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

State	☐	Fee	☒
5. State Oil & Gas Lease No.			
7. Unit Agreement Name			

Barry J. Mares

10. TYPE OF WELL
OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER ☐

11. TYPE OF COMPLETION
NEW WELL ☐ WORK OVER ☒ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

RECEIVED

APR 18 1978

O. C. C.
ARTESIA, OFFICE

2. Name of Operator
Yates Petroleum Corporation ✓

3. Address of Operator
207 South 4th Street - Artesia, NM 88210

8. Form or Lease Name
Caffall "FD" Com

9. Well No.
1

10. Field and Loc., or Wildcat
Kennedy Farms Atoka

4. Location of Well
UNIT LETTER 0 LOCATED 660 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE OF SEC. 15 TWP. 17S RGE. 26E NMPM

Eddy

15. Date Spudded 12-15-75
16. Date T.D. Reached 1-10-76
17. Date Compl. (Ready to Prod.) 4-15-78
18. Elevations (DF, RKB, RT, GR, etc.) 3354' KB
19. Elev. Casinghead 3337 GR

20. Total Depth 8670'
21. Plug Back T.D. 8550'
22. If Multiple Compl., How Many
23. Intervals Rotary Tools Drilled By 10-8670
24. Producing Interval(s), of this completion - Top, Bottom, Name
8262-8266 (Atoka) & 8402-8416 (Morrow)

25. Was Directional Survey Made
No

27. Was Well Cased
No

26. Type Electric and Other Logs Run
CNL/FDC, DLL w/Rxo

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./ FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	423'	17 1/2"	250 sacks	
8-5/8"	24#	1404'	12 1/4"	550 sacks	
5 1/2"	15.5&17#	8550'	7-7/8"	425 sacks	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"	8261'	8216'

31. Perforation Record (Interval, size and number)
8402-8416' w/40 .34" holes
8262-8266' w/17 .32" holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
8402-8416'	Natural
8262-8266'	1500 g 7 1/2% MSA& nitrogen

33. PRODUCTION

Date First Production 4-14-78		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing		Well Status (Prod. or Shut-in) Producing	
Date of Test 4-15-78	Hours Tested 3	Choke Size 1/2"	Prod'n. For Test Period Oil - Bbl. TSTM	Gas - MCF 37.5	Water - Bbl. TSTM
Flow Tubing Press. 44#	Casing Pressure Sealed	Calculated 24-Hour Rate Oil - Bbl. -	Gas - MCF 300	Water - Bbl. -	Oil Gravity - API (Corr.) -

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Sold

Witnessed By
Bill Trembley, Jr.

35. List of Attachments

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED *Christine Lombusa* TITLE Geol. Secty DATE 4-18-78

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
			REFER TO MORROW COMPLETION REPORT DATED 1-30-76				

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION FORM

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

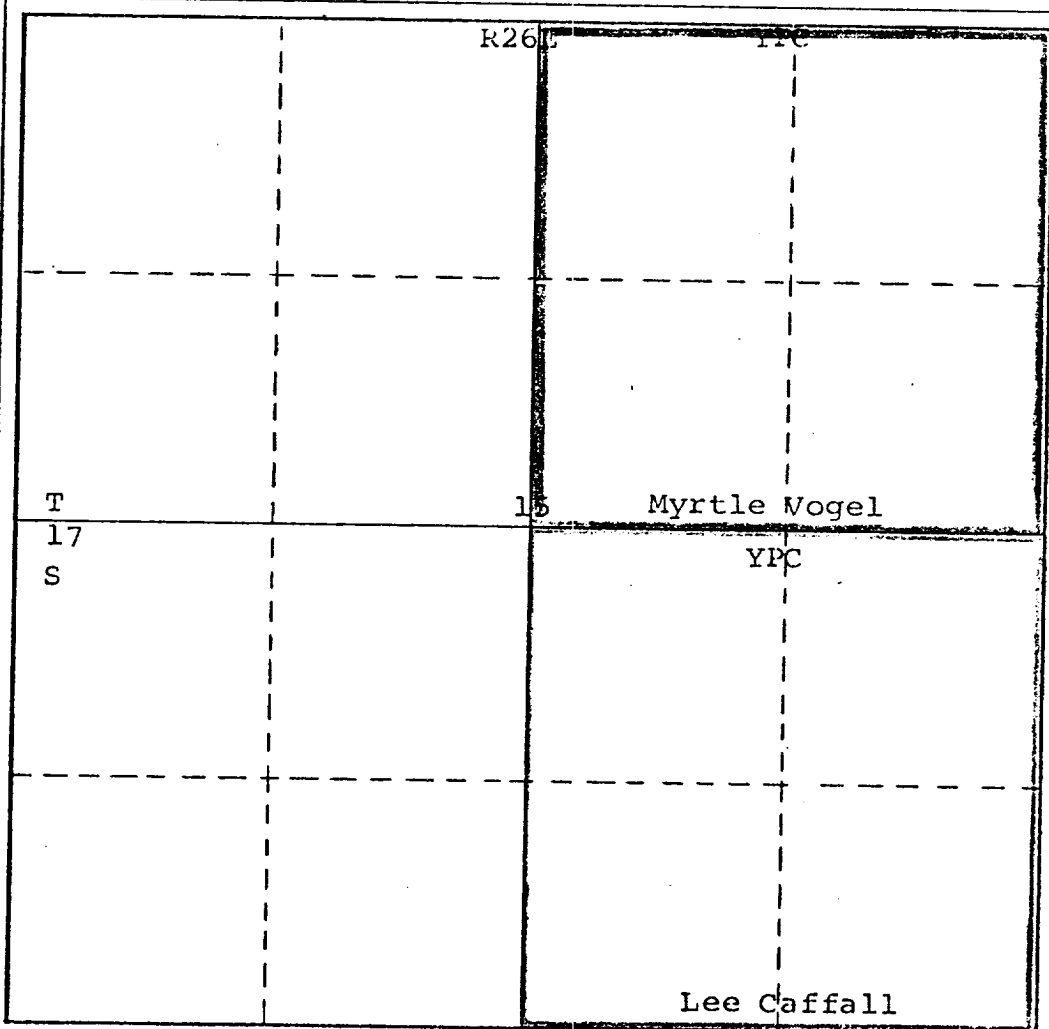
Operator Yates Petroleum Corporation			Lease Caffall "FD" Com		Well No. 1
Unit Letter O	Section 15	Township 17S	Range 26E	County Eddy	
Actual Footage Location of Well:					
660		feet from the South		line and 1980 feet from the East line	
Ground Level Elev. 3337	Producing Formation Atoka		Pool Kennedy Farms Atoka		Dedicated Acreage: 320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Communitized

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Eddie M. Mahfood
Name

Eddie M. Mahfood

Position
Engineer

Company
Yates Petroleum Corp.

Date
4-17-78

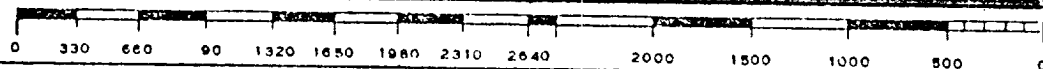
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Refer to Original Plat

Date Surveyed
Dated 11-10-75

Registered Professional Engineer and/or Land Surveyor

Certificate No.



YPC - Cripps "FD" Can #1 O-15-118-265, Kennedy Farms.
 Atoka Pay 8262-8266 h=4' $\phi = 8\%$ $S_w = 14\%$

$$q = \frac{703 Kh (P_e^2 - P_w^2)^{.43}}{\mu T Z \ln \frac{4.72 r_e^2}{r_w}} = 300000 \text{ scf} = \frac{703 K(4) (2859^2 - 80^2)^{.43}}{.0155 (594 \cdot R) (.804) (7.2)} K = 2.1 \text{ md.}$$

Most Probable Recovery (after Craig & Buckley Statistics):

$$R.F. = .11403 + .2719 \log K + .25569 S_w - .1355 \log \mu - .1538 \phi - .00035 h$$

$$= .11403 + .32222 + .03580 + .24521 - .12304 - .00140 = .59281$$

Most Probable Gas in Place Recoverable =

$$1990' \times 2540' \times 4' \times .08(\phi) \times .86(S_g) \times .593(R.F.) \times \frac{2889 \text{ psc}}{13.2 \text{ psc}} \times \frac{520^\circ R}{594^\circ R} \times \frac{1}{.804 Z} = 195 \text{ MMCF} + 2230 \text{ BC}_{\text{cond}}$$

Morrow Pay 8402-8416

Orig BHP = 3471 psig BHT = 142°F $P_e = 678$ $T_e = 359$ $r_k = 5.14$ $r_w = 3.62$
 11/8/77 BHP = 2444 psig Cum Prod = 26440 mcf + 56 BC $Z_o = .876$ $Z_i = .848$

Remaining Morrow Reserves = $\frac{2457/248 - 10(3484/276)}{3484/276 - 2457/248} \times 26444 \text{ mcf} = \frac{2677.4 - 3977}{3977 - 2897} \times 26444$
 $= \frac{-1300}{1080} \times 26444 = 61 \text{ MMCF} + 193 \text{ BC.}$

Then proposed distribution of future commingled production is:

Kennedy Farms - Atoka = $\frac{195 \text{ mcf}}{256} = 76\%$ $\frac{2230 \text{ BC}}{2428} = 92\%$
 Kennedy Farms - Morrow = $\frac{61 \text{ mcf}}{256} = 24\%$ $\frac{198 \text{ BC}}{2428} = 8\%$

Edna M. Keady
 4-17-78

2153
 2428