

MARTIN YATES, III
1912 - 1985
FRANK W. YATES
1936 - 1986



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 748-1471

S. P. YATES
CHAIRMAN OF THE BOARD
JOHN A. YATES
PRESIDENT
PEYTON YATES
EXECUTIVE VICE PRESIDENT
RANDY G. PATTERSON
SECRETARY
DENNIS G. KINSEY
TREASURER

June 25, 1992

RECEIVED

JUL 24 1992

O. C. D.
ARTESIA OFFICE

New Mexico Energy and Minerals Department
Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87501

Attention: Mr. David Catanach

Dear Mr. Catanach,

Enclosed are the necessary documents for obtaining approval for the downhole commingling of the Jackson Estate BY # 17 located in Unit letter H of Sec. 21-T17S-R25E of Eddy County.

Should you have any questions, please feel free to contact me at (505)748-1471. Thank you.

Sincerely,

Chuck Morgan, P. E.

Enclosures

CM/th

Application for Downhole Commingling
Jackson Estate BY # 17
2310' FNL & 660' FEL Unit H
Sec. 21-T17S-R25E Eddy County, NM

Reason for Application:

Yates Petroleum Corporation requests approval to commingle the Atoka/Morrow 8068' - 8078' (Morrow) and 7770' - 7804' (Atoka) with the Strawn (7632' - 7642'). Production from the Atoka/Morrow was tested and found to be marginal. Commingling with the Strawn will prevent the early abandonment (and resulting mineral resource waste) of the Atoka/Morrow.

1. Name and Address of the Operator:

Yates Petroleum Corporation
105 S. Fourth Street
Artesia, NM 88210
Attention: Chuck Morgan

2. Lease Data:

Jackson Estate BY # 17
2310' FNL & 660' FEL Unit H
Sec. 21-T17S-R25E
Eddy County, NM
Pools: Eagle Creek Atoka/Morrow, East
Eagle Creek Strawn

3. Acreage dedication plat and lease map including offset operators. See Attachment A-I and A-II.

4. Productivity Test:

- A. Existing Atoka/Morrow zone capable of 28 MCFPD & .75 BPD condensate.
- B. Strawn will be swab & flow tested.

5. Production History:

A. Existing Atoka/Morrow Data:

See attached decline curve and completion summary for the Atoka/Morrow. Remaining reserves for the Atoka/Morrow are estimated at 16,000 Mcf (derived from decline curve analysis). Assuming a 15% DR. See attached graph.

B. Strawn:

N. A.

6. Bottom Hole Pressure Data:

BHP on existing Atoka/Morrow 1,040#.
BHP on Strawn to be measured or calculated.
(Attached BHP data sheet)

7. Fluid Characteristics and Compatibility:

Both Atoka/Morrow and Strawn will produce sweet gas. Don't anticipate any compatibility problems.

8. Value Data:

Both Atoka/Morrow and Strawn will produce sweet gas. The value of the gas will not be affected by commingling.

9. Allocation Formula:

Allocation formula will be determined and submitted after the well has been re-completed.

10. Notification Statement:

Yates Petroleum Corporation operates all offset acreage to this well.

MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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

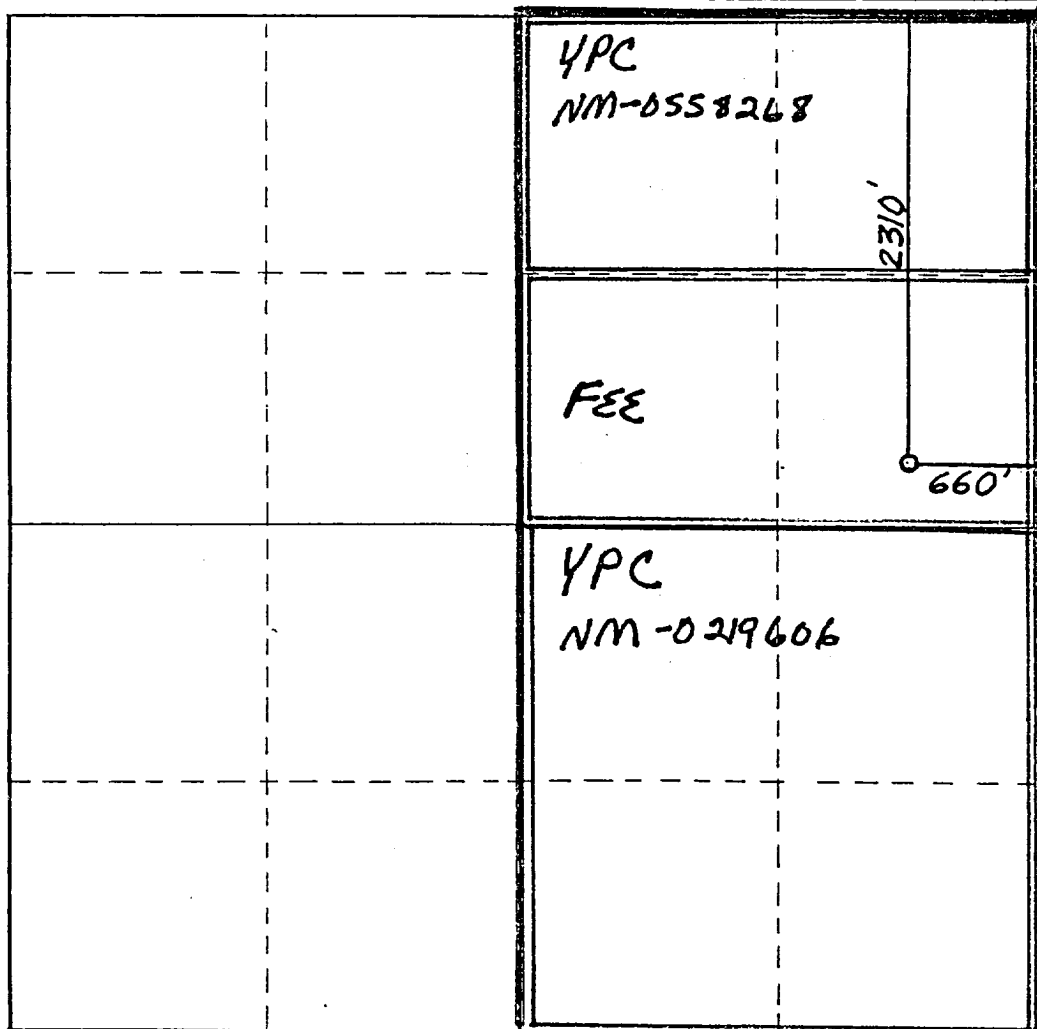
Operator YATES PETROLEUM CORPORATION			Lease Jackson Estate BY Com		Well No. 17
Unit Letter H	Section 21	Township 17 South	Range 25 East	County Eddy	
Actual Footage Location of Well: 2310 feet from the North line and 660 feet from the East line.					
Ground Level Elev. 3549.	Producing Formation MORROW		Pool UNDERS. ATOKA-MORROW		Dedicated Acreage: 320 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 **TO BE 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.

Gliserio Rodriguez
Name
GLISERIO RODRIGUEZ

Position
AGENT

Company
YATES PETROLEUM CORP

Date
1-25-83

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.

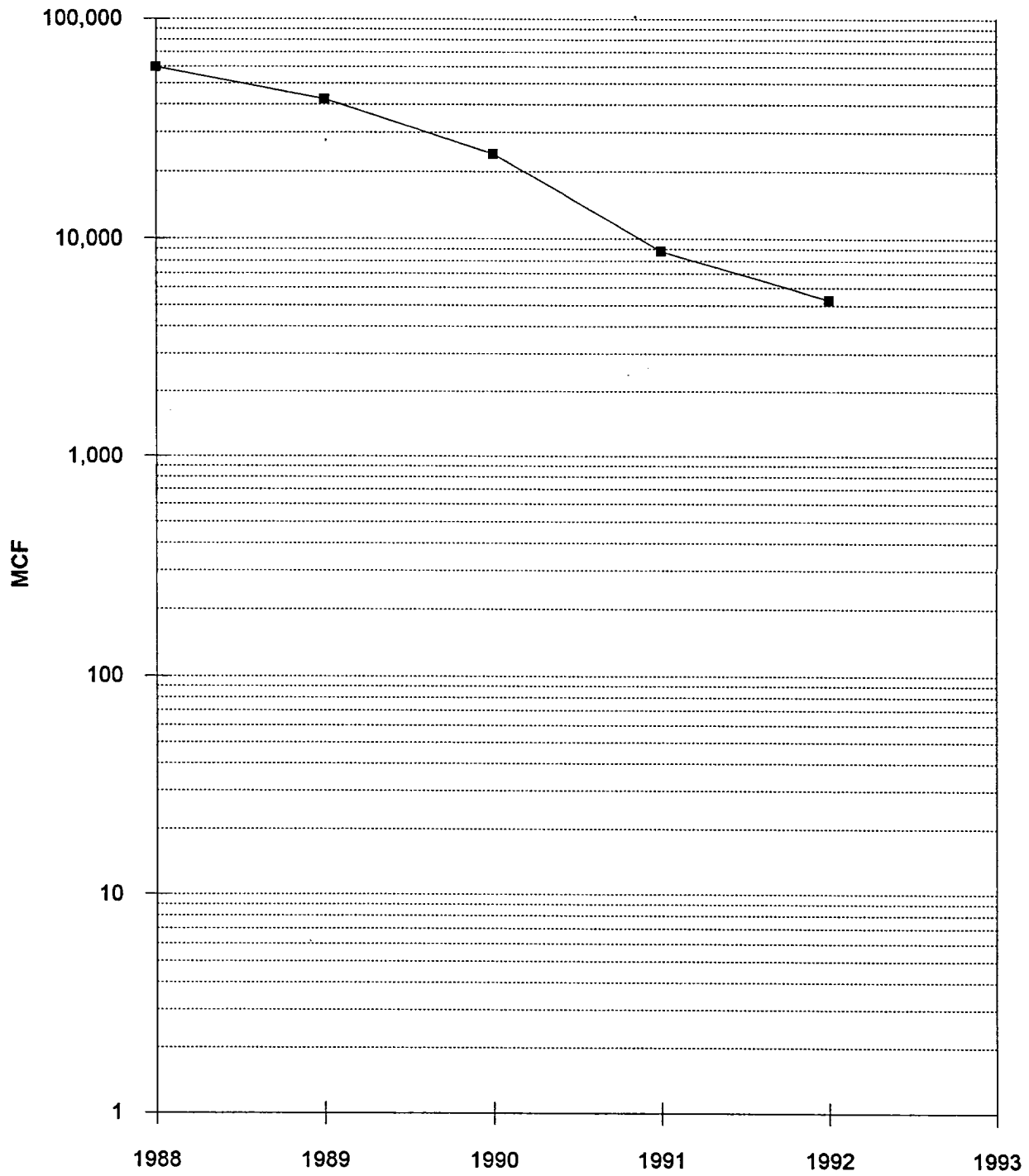
Date Surveyed
January 24, 1983

Registered Professional Engineer and/or Land Surveyor

Dan R. Reddy
Certificate No.
NM PE&LS #5412

[illegible]

JACKSON ESTATE BY # 17
ANNUAL PRODUCTION



OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.O.S.	
LAND OFFICE	
OPERATOR	

TYPE OF WELL

OIL WELL ☐GAS WELL ☒DRY ☐OTHER ☐

RECEIVED

TYPE OF COMPLETION

WELL ☒WORK OVER ☐DEEPEN ☐PLUG BACK ☐DIFF. RESVR. ☐OTHER ☐

Name of Operator

Yates Petroleum Corporation

Address of Operator

207 South 4th St., Artesia, NM 88210

Location of Well

5a. Indicate Type of Lease

State ☐Fee ☒

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name

Jackson Estate BY

9. Well No.

17

10. Field and Pool or Wildcat

Und. Atoka-Morrow

12. County

Eddy

LETTER H LOCATED 2310 FEET FROM THE North LINE AND 660 FEET FROM

East

LINE OF SEC. 21

TWP. 17S

RGE. 25E

NMPM

Date Spudded

2-7-83

16. Date T.D. Reached

2-26-83

17. Date Compl. (Ready to Prod.)

4-6-83

18. Elevations (DF, RKB, RT, GR, etc.)

3549' GR

19. Elev. Casinghead

Total Depth

8220'

21. Plug Back T.D.

8142'

22. If Multiple Compl., How

Many

23. Intervals

Drilled By

Rotary Tools

0-8220'

Cable Tools

Producing Interval(s), of this completion - Top, Bottom, Name

7770-7804'; 8068-78' Atoka-Morrow

25. Was Directional Surv

Made

No

Type Electric and Other Logs Run

CNL/FDC; DLL

27. Was Well Cored

No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.5#	364'	17-1/2"	275	
8-5/8"	24#	1144'	11"	500	
4-1/2"	11.6 & 10.5#	8220'	7-7/8"	850	

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	7725'	7726'

Perforation Record (Interval, size and number)

8068-74'; 8078-78' w/16 .40" holes (2 SPF)

7770-7804' w/136 .40" holes (4SPF)

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
8068-78'	w/1500g 7 1/2% acid, N2. SF w/100 7 1/2% acid, 15000 g gel wtr, 25000
7770-7804'*	20/40 sd.*w/4000g 15% acid SF w/1000g 7 1/2% acid, 40000g. gel 56000# 20/40 sd.

PRODUCTION

First Production 4-6-83		Production Method (Flowing, gas lift, pumping – Size and type pump) Flowing					Well Status (Prod. or Shut-in) SIWOPLC	
Date of Test 4-6-83	Hours Tested 4	Choke Size 1/2"	Prod'n. For Test Period →	Oil – Bbl. –	Gas – MCF 208	Water – Bbl. –	Gas – Oil Ratio –	
Flow Tubing Press. 200	Casing Pressure Packer	Calculated 24- Hour Rate →	Oil – Bbl. –	Gas – MCF 1250	Water – Bbl. –	Oil Gravity – API (Corr.) –		

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

Vented - Will be sold

Test Witnessed By

Harvey Apple

List of Attachments

Deviation Survey

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 *Leighton D. Allen*

TITLE Production Supervisor

DATE 4-25-83

B) Sent to operator 5-26-83

JARREL SERVICES, INC.
Box 1230
Hobbs, New Mexico 88240

<<Static Gradient Survey>>

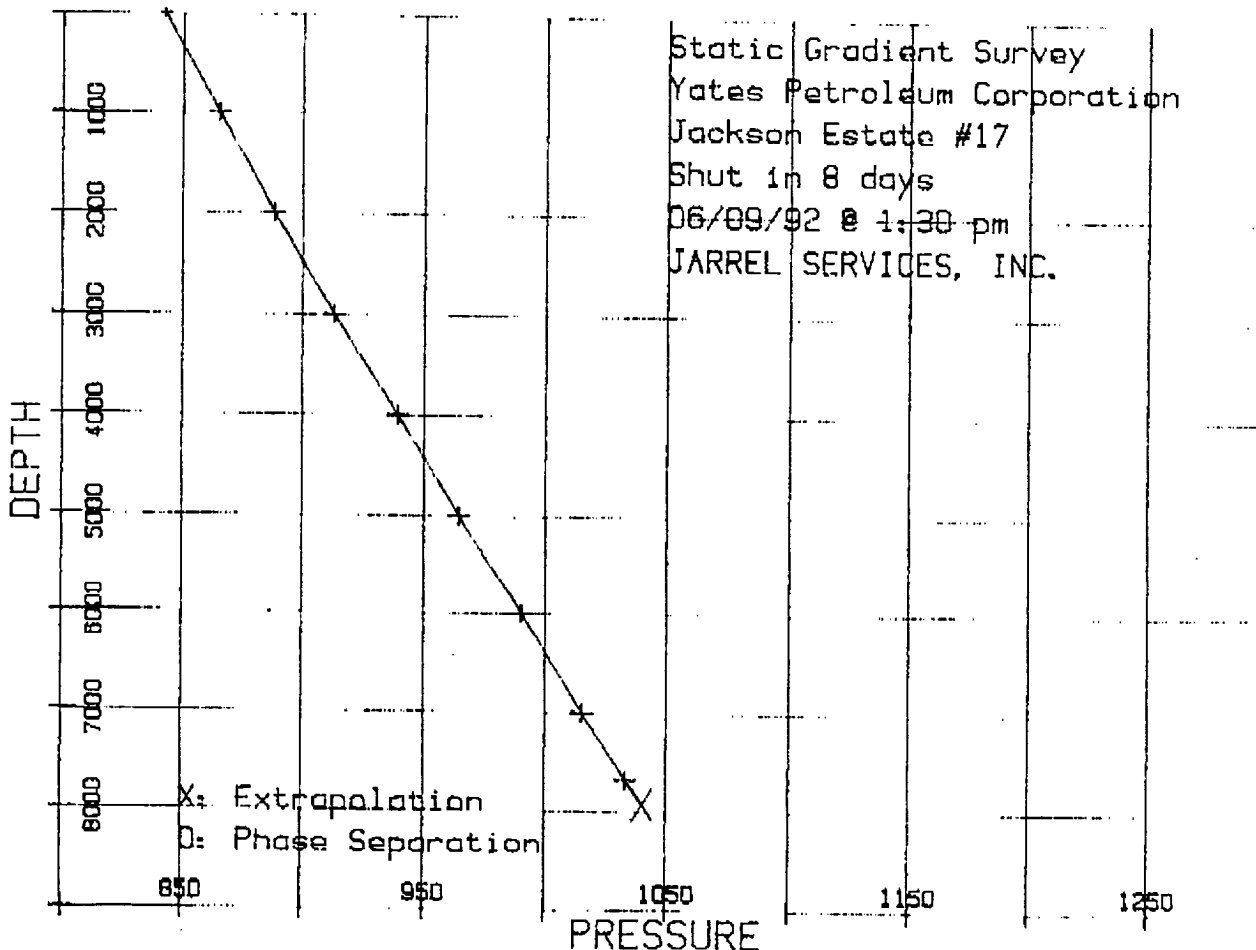
COMPANY: Yates Petroleum Corporation
LEASE: Jackson Estate
FIELD: Eagle Creek
COUNTY: Eddy
STATUS: Shut in 8 days
PERFORATIONS FROM: 7780 ft
DEPTH: 7675 ft

Date: 06/09/92 @ 1:30 pm
CONTACT: Ed Perry
WELL: #17
ZONE: Atoka/Morrow
STATE: New Mexico
OPERATOR: Newman
TO: 8078 ft
TEMPERATURE: 144°F

TABULAR DATA

DEPTH (ft)	PRESSURE (psi)	GRADIENT (psi/ft)	EXPLANATIONS
0	842		
1000	865	0.023	
2000	888	0.023	
3000	913	0.025	
4000	939	0.026	
5000	964	0.025	
6000	990	0.026	
7000	1015	0.025	
7675	1033	0.027	
7929	1040	0.027	<=Extrapolated BHP

NOTE: Explanations are included to clarify calculated data points.



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TREASURER

June 25, 1992

Northern Natural Gas Company
401 Wall Tower West
Midland, TX 79701

Gentlemen:

Enclosed please find a copy of the application for downhole commingling the Jackson Estate BY # 17 located in H of Section 21-T17S-R25E. This copy of the application to commingle fulfills our requirement to notify offset operators per NMOCD Rule 303 D (10).

Should you have any questions, please feel free to contact me at (505) 748-1471.

Sincerely,

A handwritten signature in cursive script that reads 'Chuck Morgan'.

Chuck Morgan, P. E.

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June 25, 1992

Mesa Petroleum
P. O. Box 2009
Amarillo, TX 79189

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June 25, 1992

Arco
P. O. Box 1610
Midland, TX 79701

Attn: Kevin L. Stowe

Dear Mr. Stowe:

Enclosed please find a copy of the application for downhole commingling the Jackson Estate BY # 17 located in H of Section 21-T17S-R25E. This copy of the application to commingle fulfills our requirement to notify offset operators per NMOCD Rule 303 D (10).

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June 25, 1992

Willis T. Carle
1717 E. Wood Avenue
Highland Park, IL 60035

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