

CASE 6917: YATES PETROLEUM CORPORATION
FOR AN NGPA DETERMINATION, EDDY COUNTY,
NEW MEXICO

CONTINUE TO

JUNE 25

Case No.

6917

Application

Transcripts

Small Exhibits

ETC

NEW MEXICO OIL CONSERVATION DIVISION
P. O. Box 2088, Santa Fe, New Mexico 87501

APPLICATION FOR WELLHEAD
PRICE CEILING CATEGORY DETERMINATION

1. FOR DIVISION USE ONLY

DATE OF: APPLICATION _____
DETERMINATION: _____
CONTESTED: _____
PARTICIPANTS: _____

2. Name of Operator

Yates Petroleum Corporation

3. Address of Operator

207 South Fourth Street, Artesia, New Mexico 88210

4. Location of Well

UNIT LETTER P 1130 FEET FROM THE South LINE AND 1300 FEET FROM
THE East LINE, SECTION 30 TOWNSHIP 17S RANGE 26E NMPM.

13. Name and Address of Transporter(s)

Transwestern Pipeline Company, P. O. Box 2521, Houston, Texas 77001

Kind of Lease	State, Federal or Fee Fee
5. State Oil & Gas Lease No.	
7. Unit Agreement No.	
8. Name of Lease (Owner)	Goat Roper "LP" Com
9. Well No.	1
10. Field and Pool, or Willam	Eagle Creek Atoka Morrow
12. County	Eddy

WELL CATEGORY INFORMATION

Check appropriate box for category sought and information submitted.

- ☒ 1. Category(ies) Sought (By NGPA Section No.) Section 102 (c)(1)(C)
2. All Applications must contain:
- ☒ a. C-101 APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK
 - ☒ b. C-105 WELL COMPLETION OR RECOMPLETION REPORT AND LOG
 - ☐ c. DIRECTIONAL DRILLING SURVEY, IF REQUIRED UNDER RULE 111
 - ☒ d. AFFIDAVITS OF MAILING OR DELIVERY
- ☐ 3. NEW NATURAL GAS UNDER SEC. 102(c)(1)(B) (using 2.5 Mile or 1000 Feet Deeper Test)
- ☐ a. Location Plat
- ☐ 4. NEW NATURAL GAS UNDER SEC. 102(c)(1)(C) (new onshore reservoir)
- ☐ a. C-122 Multipoint and one point back pressure test
- ☐ 5. NEW ONSHORE PRODUCTION WELL
- ☐ a. C-102 WELL LOCATION AND ACREAGE DEDICATION PLAT
 - ☐ b. No. of order authorizing infill program _____
- ☐ 6. STRIPPER GAS
- ☐ a. C-116 GAS-OIL RATIO TEST
 - ☐ b. PRODUCTION CURVE FOR 12-MONTH PERIOD PRECEDING DECEMBER 1, 1978.
 - ☐ c. PRODUCTION CURVE FOR THE 90-DAY PERIOD ON WHICH THE APPLICATION IS BASED

I HEREBY CERTIFY THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Signed: B. E. Harper
Oil Conservation Division
Secretary - Santa Fe

SIGNED: B. E. Harper
DATE: April 17, 1980

EXAMINER

FERC-121

1.0 API well number: (If not available, leave blank. 14 digits.)	30-015-23059			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	102 Section of NGPA		4 Category Code	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	8365-8373 feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Yates Petroleum Corporation Name 207 South Fourth Street Street Artesia, NM 88210 City State Zip Code		Seller Code	
5.0 Location of this well: (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	Eagle Creek Atoka Morrow Field Name Eddy County		NM State	
(b) For OCS wells:	Area Name		Block Number	
	Date of Lease: Mo. Day Yr.		OCS Lease Number	
(c) Name and identification number of this well: (35 letters and digits maximum.)	Goat Roper "LP" Com No. 1			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	Morrow			
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Transwestern Pipeline Company Name		Buyer Code	
(b) Date of the contract:	Mo. Day Yr.			
(c) Estimated annual production:	MMcf.			
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	2.428	.194*	---	2.622
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	2.428	.194	---	2.622
9.0 Person responsible for this application:	B. W. Harper Name		Secretary-Treasurer Title	
10.0 Date of filing:	April 17, 1980 Date Application is Completed		(505) 746-3558 Phone Number	

* N.M. Severance Tax is on per MCF basis.

FT7900806/2-2

DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

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

MAR 19 1980

(24)

6. Indicate Type of Lease
 State ☐ Free ☒

7. State Oil & Gas Lease No.

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

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

7. Unit Agreement Name

8. Name of Lease Tract

Goat Roper "LP" Com

9. Well No.

1

10. Field and Pool, or Subtract E.

Eagle Creek Atoka

Morrow

1. Name of Operator
 Yates Petroleum Corporation

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

3. Location of Well

ONLY LETTER P LOCATED 1130 FEET FROM THE South LINE AND 1300 FEET FROM

East LINE OF SEC. 30 TWP. 17S REC. 26E NMPM

Eddy

13. Date Spudded 2-8-80 16. Date T.D. Reached 3-1-80 17. Date Compl. (Ready to Prod.) 3-9-80 18. Elevation (D.F., H.B., RT, GR, etc.) 3413' GR 19. Elev. Casinghead

20. Total Depth 8610' 21. Plug Back T.D. WL 8490' 22. If Multiple Compl., How Many 23. Intervals Drilled By Rotary Tools Cable Tools 0-8610'

24. Producing Interval(s), of this completion - Top, Bottom, Name 8365-8373' Morrow 25. Was Directional Survey Made No

26. Type Electric and Other Logs Run CNL/FDC, DLL 27. Was Well Cased No

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#	365'	17 1/2"	360 sacks	
8-5/8"	24#	1245'	12 1/2"	752 sacks	
5 1/2"	17&15.5#	8499'	7-7/8"	510 sacks	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-7/8"	8322'	8322'

31. Production Record (Interval, size and number) 8365-8373' w/32 .50" shots (4spf) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

NATURAL

33. PRODUCTION

Date First Production 3-9-80 Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Well Status (Prod. or Shut-in) SIWOPLC

Choke Size 2 Hours Tested 2 Choke Size 2 Pro. Pn. For Test Period Oil - Bbl. Gas - MCF Water - Bbl. Gas - Oil Ratio 157

Flowing Press. Casing Pressure Pkr Calculated 24-hour Rate Oil - Bbl. Gas - MCF Water - Bbl. Oil Gravity - API (Corr.) 1878

Test Witnessed By Harvey Apple

Notes of Remarks Vented will be sold

DATE 3-19-80

Signature of Operator Christine Johnson TITLE Geol. Secty DATE 8-19-80

Signature of Operator Christine Johnson

Signature of Operator Christine Johnson

Signature of Operator Christine Johnson

Signature of Operator Christine Johnson

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Signature of Operator Christine Johnson

Signature of Operator Christine Johnson

Signature of Operator Christine Johnson

VERIFICATION AS TO COMPLETION OF
REQUIREMENTS FOR SPECIAL RULES 1 & 2

THE STATE OF NEW MEXICO

COUNTY OF EDDY

B. W. Harper, being first duly sworn, states that he is Secretary-Treasurer of Yates Petroleum Corporation; that he is authorized to execute this affidavit; that he has read the above and foregoing and is familiar with the contents thereof; and that all allegations and facts contained therein are true and correct to the best of his knowledge, information, and belief; that the foregoing Form C-132, Application for Wellhead Price Ceiling Category Determination, and FERC Form 121 has been mailed or delivered to all working interest owners in subject well; that Yates Petroleum Corporation is operator of subject well and intends this application to cover all parties to the operating agreement and gas purchase contract and notice has been given by mailing or delivering this application to them in accordance with New Mexico Oil Conservation Division instructions; that the foregoing application has also been mailed or delivered to the appropriate purchaser in accordance with the requirements set out in the Regulations Implementing the Natural Gas Policy Act of 1978.

YATES PETROLEUM CORPORATION

BY: B. W. Harper

B. W. Harper,
Secretary-Treasurer

SWORN TO AND SUBSCRIBED before me this 17th day of April,
1978.

Lu Ann Beardemph
Notary Public in and for the
State of New Mexico

My Commission Expires:

August 3, 1983

NEW 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.

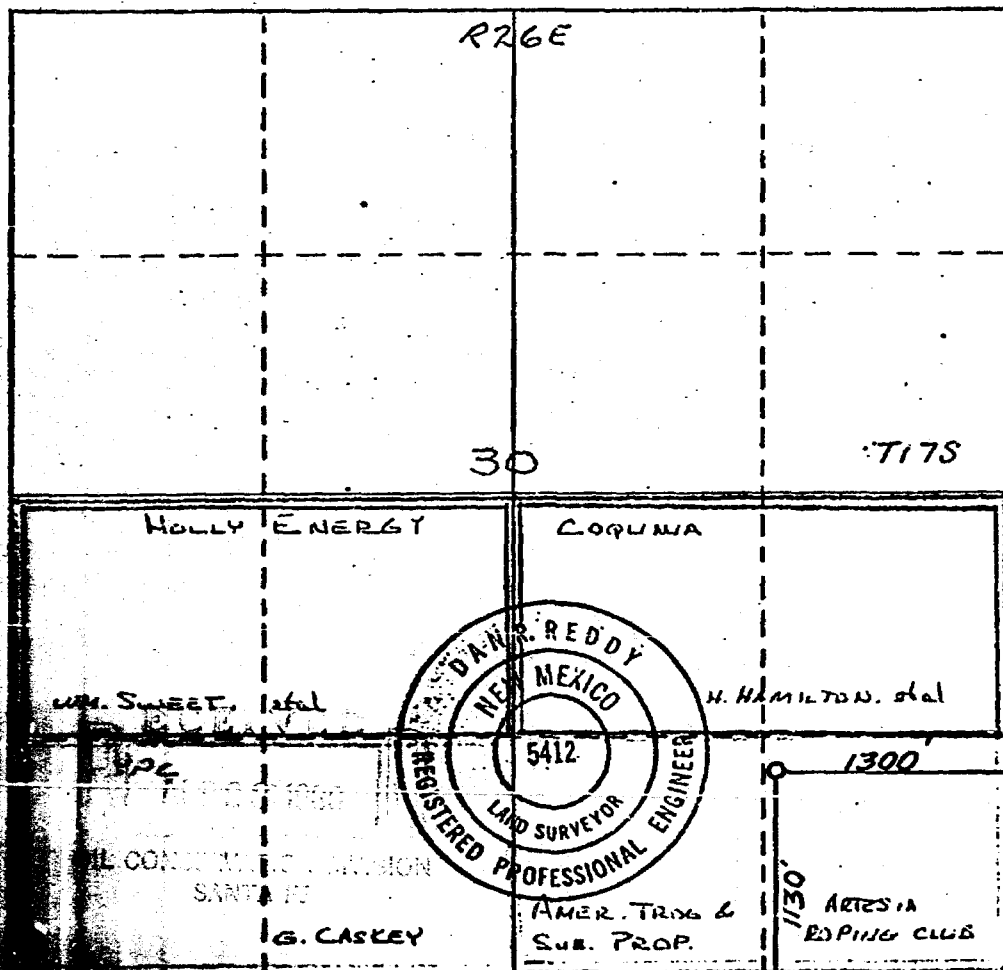
Operator YATES PETROLEUM CORPORATION		Lease GOAT ROPER LP		Well No. 1
Unit Letter P	Section 30	Township 17 South	Range 26 East	County Eddy
Actual Footage Location of Well: 1130 feet from the South line and 1300 feet from the East line				
Ground Level Elev. 3413	Producing Formation MORROW	Pool UNDES. MORROW	Dedicated Acreage: 3.20 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 COMMUNITIZATION

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
GEOGRAPHER
Company
YATES PETROLEUM CORP.
Date
8-20-79

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
Aug 3, 1979
Registered Professional Engineer and/or Land Surveyor

Dan R. Reddy
Certificate No.
NNPERLS 5412

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

NEW MEXICO OIL CONSERVATION COMMISSION

30-015-23059
Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Firm or Lease Name Goat Roper LP	
2. Name of Operator Yates Petroleum Corporation		9. Well No. 1	
3. Address of Operator 207 South 4th Street, Artesia, New Mexico 88210		10. Field and Pool, or Wildcat Undes. Morrow	
4. Location of Well UNIT LETTER P LOCATED 1130 FEET FROM THE South LINE AND 1300 FEET FROM THE East LINE OF SEC. 30 TWP. 17S RGE. 26E NMPM		12. County Eddy	
19. Proposed Depth 8600'		19A. Formation Morrow	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DF, RT, etc.) 3413'	
21A. Kind & Status Plug. Bond Blanket		21B. Drilling Contractor Landis Drilling Co.	
22. Approx. Date Work will start As soon as approved			

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2"	13 3/8"	48#	Approx. 400'	250 SX	Circulate
12 1/2"	8 5/8"	24#	Approx. 1300'	600 SX	Circulate
7 7/8"	4 1/2" or 5 1/2"	10.5 or 17#	TD	250 SX	

We propose to drill a well to test the Morrow and intermediate formations. Will set approximately 400' of surface casing to shut off gravel and caving. Intermediate casing will be set 100' below the Artesian water zone. Both strings shall be circulated. Commercial, will run 5 1/2" or 4 1/2" production casing and cement with at least 600' cement.

PROGRAM: FW gel and LCM to 1300'; water to 6200' (add KCL at 4200'); Starch-Drispak-KCL to 7800'; Flosal-Drispak-KCL to TD.
ROP's and hydril on 8 5/8" casing and tested, pipe rams tested daily, blind rams on trips yellow jacket, pit level control and flow sensor on at 4000'.

NON-STANDARD LOCATION : Hearing October 10, 1979

PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION PROGRAM, IF ANY.

I hereby declare the above to be true and complete to the best of my knowledge and belief.

[Signature] Title Geographer Date 9/5/79

(For State Use)

TITLE DATE

IF ANY:



207 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210

TELEPHONE (505) 746-3558

S. P. YATES
PRESIDENT
MARTIN YATES, III
VICE PRESIDENT
JOHN A. YATES
VICE PRESIDENT
B. W. HARPER
SEC. TREAS

April 17, 1980

TO: Mr. Joe Ramey, Director, OCD
Energy and Minerals Department
P. O. Box 2088
Santa Fe, New Mexico 87501

SUBJECT: Natural Gas Policy Act
Statement Under Oath
New Onshore Reservoir
Application

Re: Natural Gas Produced From:
Well Name: Goat Roper "LP" Com No. 1
A.P.I.#: 30-015-23059
Location: Section 30-17S-26E
Formation: Morrow

Yates Petroleum Corporation (Operator), a New Mexico Corporation, herein swears:

- (1) That he has made, or has caused to be made pursuant to his instructions, a diligent search of the following records which are reasonably available and contain information relevant to the determination of eligibility:
 - (a) Commercial oil and gas lease ownership map and well location map compiled from official county and state records and sold to us by Midland Map Co., Midland, Texas, on file in Operator's offices.
 - (b) Legal review of land title prior to drilling, on file in Operator's offices.
 - (c) Well completion cards, on file in Operator's offices, on all wells within the same section as the referenced well and which penetrated the same prospective formations as sought by the referenced well. Such cards are available commercially and are compiled from information available in state offices.
 - (d) Electric log records of all relevant wells which penetrated the same prospective formations as sought by the referenced well. Log records are on file in Operator's offices, respective state offices, and commercial log companies.

- (e) State of New Mexico production records and gas well shut-in tubing pressure records of all relevant wells which produced or produces from the same prospective formations as sought by the referenced well. Such records are kept in Operator's office and state offices. They were used in lieu of severance tax and royalty payment records which are not reasonably available to the applicant.
- (f) Daily drilling reports on file in Operator's files indicating date and time of spudding the referenced well.
- (g) State of New Mexico approval of the referenced well location and dedicated acreage to be assigned to the well in the event of production. Such records are on file in both Operator's office and respective state office. A copy of the acreage dedication plat is included.
- (h) Official notices by operator of well drilling activity and completion reports filed with respective state office.
- (i) Operator's well files including such data as BHP surveys, production rates, flowing tubing pressures and line pressures.

(2) That on the basis of the results of this search and examination, Operator has concluded that to the best of his information, knowledge and belief the gas to be produced and for which he seeks a determination is from a new onshore reservoir; and

(3) That he has no knowledge of any other information not described in the application which is inconsistent with his conclusion.

(4) (a) Was natural gas produced in commercial quantities from the reservoir prior to April 20, 1977?

NO

(b) Was the reservoir penetrated before April 20, 1977, by an old well from which natural gas or crude oil was produced in commercial quantities from any reservoir?

NO

- (c) If the question in subparagraph (b) is answered in the affirmative could natural gas have been produced in commercial quantities from the reservoir before April 20, 1977, from any old well described in (b)?

N/A

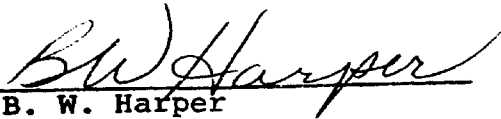
- (d) If the Natural gas is to be produced through an old well, well, were suitable facilities for the production and delivery to a pipeline of such natural gas in existence on April 20, 1977?

N/A

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing
Statement has been served upon the following by mailing
the same, postage prepaid, properly addressed to:

Transwestern Pipeline Company
P. O. Box 2521
Houston, Texas 77001


B. W. Harper

DATED at Artesia, New Mexico, this

17th day of April, 1980.

CERTIFICATE OF MAILING

Yates Petroleum Corporation hereby certifies that it has this day mailed the appropriate FERC 121 Form and OCD 132 Form to all working interest owners and gas purchaser(s) (if any) in:

Goat Roper "LP" Com No. 1
WELL NAME

Section 30-17S-26E, Eddy Co., NM
LEGAL DESCRIPTION

YATES PETROLEUM CORPORATION

By:

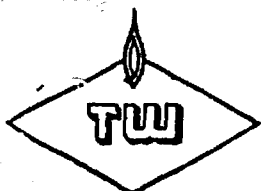
B. W. Harper
Secretary-Treasurer

Sworn to and subscribed before me this 17th day of April, 1980.

Lu Ann Beardmore
Notary Public in and for Eddy Co., New Mexico

My Commission Expires:

August 3, 1983



GAS QUALITY TEST REPORT

COMPANY SELLER YATES PET. Co.STA. NO. 1374-1FIELD OR
LOCATION

CONTRACT NO.

SOURCE OR
RESERVOIRTEST DATE 01/23/80WELL OR
STATION NAME GOAT ROVER #1LAB 4

COMPOUND COMPONENTS	COMPONENT SPECIFIC GRAVITY	COMPONENT MOLE FRACTION	LIQUEFIABLE HYDROCARBONS	COMPONENT G. P. M.	MOLE FRACTION	G. P. M. CONTENT
NITROGEN	.9672	.0060	PROPANE	27.514	.	
CARBON DIOXIDE	1.5195	.0015	ISO-BUTANE	32.698	.	
HELIUM	.1382	.	N-BUTANE	31.510	.	
OXYGEN	1.1048	.0003	LPG - - - - -			
HYDROGEN SULFIDE	1.1766	.	ISO-PENTANE	36.582	.	
WATER VAPOR	.6220	.	N-PENTANE	36.213	.	
HYDROCARBON DILUENTS		(.0118)	HEXANES	41.111	.	
			HEPTANES +	46.126	.	
METHANE	.5539	.9018	NATURAL GASOLINE - - - - -			
ETHANE	1.0382	.0532	TOTAL LIQUEFIABLE GPM			
PROPANE	1.5225	.0180	WATER VAPOR CONTENT:			
ISO-BUTANE	2.0068	.0025	Gas Mixture Static Pressure PSI _____			
N-BUTANE	2.0068	.0045	Hydrocarbon Dew Point °F _____			
ISO-PENTANE	2.4910	.0015	Water Vapor Dew Point °F _____			
N-PENTANE	2.4910	.0012	Lbs Water Vapor per MMCF _____			
HEXANES	2.9753	.0009	Conversion Constant <u>X 0.000021</u>			
HEPTANES +	3.7018	.0006	Water Vapor Mole Fraction _____			
			Moisture recorder reading _____			
			Make or type _____			

COMPOSITION - - - - - 1.0000

MIXTURE SPECIFIC GRAVITY:

Calculated From Analysis

.625

Determined by Test Instrument

.625Instrument Make or Type RoxMIXTURE HEATING VALUE:
(Btu/cf at 14.73 Psia, 60°F, Sat.)

Calculated From Analysis

1081

Determined by Colorimeter

Colorimeter Verified (_____)

SULFUR CONTENT:

H₂S - Hydrogen Sulfide, Gr./100 cf.00

RSH - Mercaptans "

.02

RSR - Sulfides "

.10

RSSR - Residuals "

.12

Total Sulfur, Gr./100 cf

.12H₂S Grains to fraction conversionX 0.0000157H₂S Mole Fraction

Critical Pressure _____ Critical Temperature _____

REMARKS No Data (installed)

MEASUREMENT

Rowen

GAS

ANALYST

Arson23

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 6917
Order No. R-6405

APPLICATION OF YATES PETROLEUM
CORPORATION FOR AN NGPA DETERMINATION,
EDDY COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on June 25, 1980, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 22nd day of July, 1980, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Yates Petroleum Corporation, seeks a determination by the Division, in accordance with Sections 2 (6) and 102 of the Natural Gas Policy Act of 1978, and the applicable rules of the Federal Energy Regulatory Commission, that its Goat Roper "LP" Com Well No. 1, located in Unit P of Section 30, Township 17 South, Range 26 East, NMPM, Eddy County, New Mexico, has discovered a new onshore reservoir from which natural gas was not produced in commercial quantities before April 20, 1977.
- (3) That said well was completed in the Morrow formation with perforations from 8365 feet to 8373 feet, and a plugged-back depth of 8490 feet after having been drilled to a total depth of 8610 feet.
- (4) That although there are several wells in the general vicinity of the subject well which have penetrated and are or

-2-

Case No. 6917
Order No. R-6405

were completed in the Morrow formation, pressures and productive capacity encountered in said Goat Roper "LP" Com Well No. 1 as compared to said wells are completely distinctive and are indicative of an undrained reservoir.

(5) That the combined geological and engineering data presented establishes that said Goat Roper "LP" Com Well No. 1 has been completed in a new onshore reservoir as defined by the provisions of Section 102 of the Natural Gas Policy Act of 1978 and the applicable rules of the Federal Energy Regulatory Commission.

IT IS THEREFORE ORDERED:

(1) That the Yates Petroleum Corporation Goat Roper "LP" Com Well No. 1, located in Unit P of Section 30, Township 17 South, Range 26 East, NMPM, Eddy County, New Mexico, is completed in a new onshore reservoir as defined by Sections 2 (6) and 102 of the Natural Gas Policy Act of 1978, and the applicable rules of the Federal Energy Regulatory Commission.

(2) That jurisdiction of this cause is hereby retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


JOE D. RAMEY
Director

S E A L

fd/

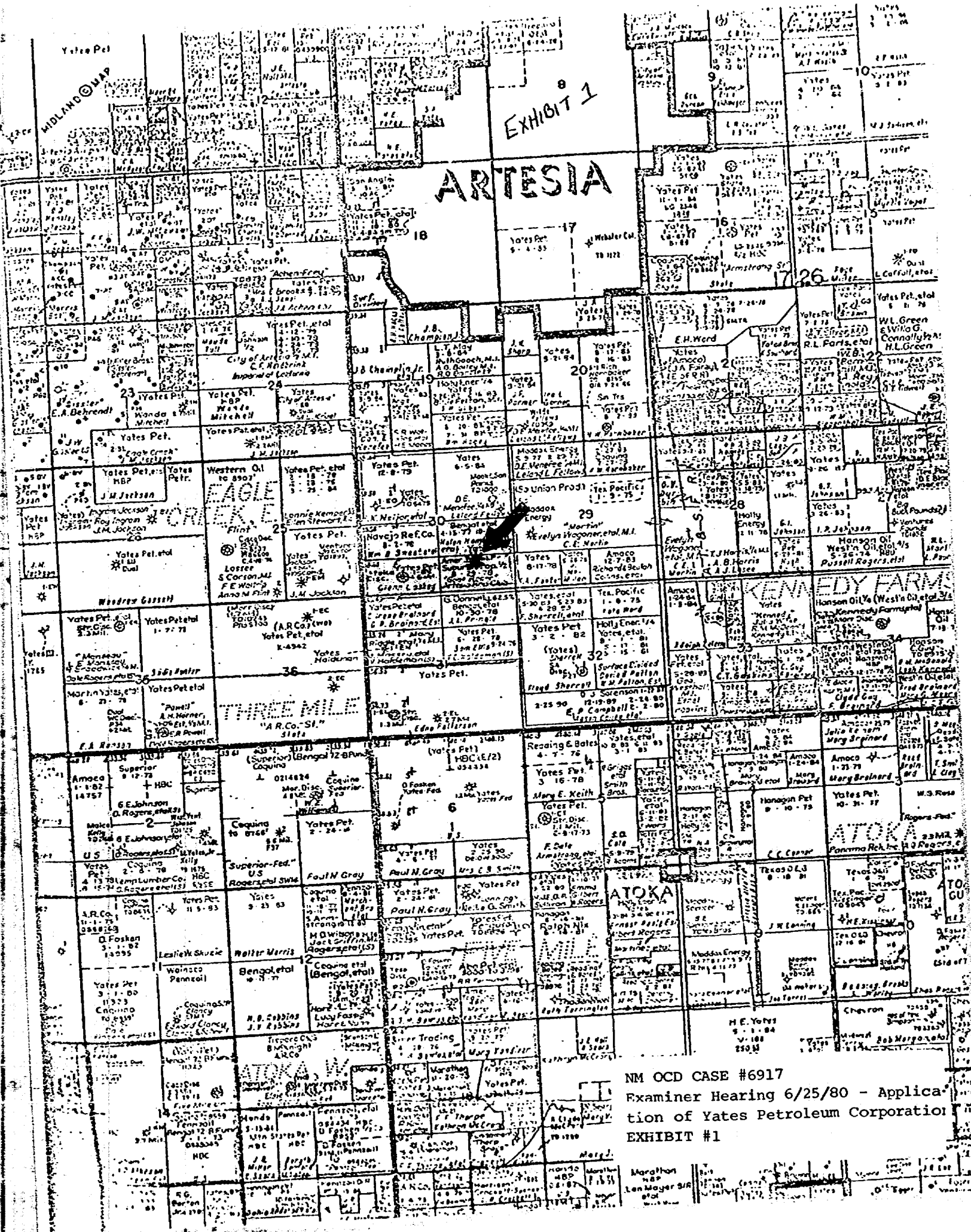


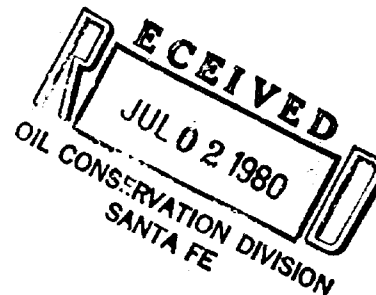
EXHIBIT 1

ARTESIA

NM OCD CASE #6917
Examiner Hearing 6/25/80 - Application of Yates Petroleum Corporation
EXHIBIT #1



207 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 746-3558



S. P. YATES
PRESIDENT
MARTIN YATES, III
VICE PRESIDENT
JOHN A. YATES
VICE PRESIDENT
W. HARPER
SEC. TREAS.

June 30, 1980

Case 6917

Mr. Joe Ramey, Director
Oil Conservation Division
Energy and Minerals Department
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: Goat Roper "LP" Com No. 1
Section 102(c)(1)(C) application
New Onshore Reservoir

Dear Mr. Ramey:

Enclosed are six corrected copies of page 3 of the Goat Roper "LP" Com No. 1 Section 102 application. Please substitute these pages in the application we submitted earlier.

Thank you for your cooperation.

Yours truly,

LuAnn Beardemphl

LuAnn Beardemphl
Secretary

LAB

RESERVOIR COMPARISONS - OFFSET WELLS - APPLICATION FOR SEC. 102 NEW RESERVOIR CATEGORY

PAGE 3 OF 6SUBJECT WELL Goat Roper "LP" Com No. 1OPERATOR Yates Petroleum Corp.LOCATION Section 30-17S-26E, Eddy County, NMSPUD DATE 2-8-80COMPLETION DATE 3-9-80COMPLETION DEPTH 8365-8373'FORMATION MorrowDATE FIRST SALES None to date

OPERATOR WELL NAME WELL LOCATION SPUD DATE (COMPL. DATE)	CROSS SECTION SEGMENT	COMPLETION DEPTH	COMPLETION ZONE	COMMENTS
7. Coquina Superior Federal No. 2 Section 1-18S-25E 1980' FSL, 1980' FWL 12-6-73 (3-20-74)	IV	8434-45'	Morrow	The Superior Federal No. 2 has a perforated sand body which seems to be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, the Superior Federal No. 2 is located 2.3 miles from the subject well and is separated from the subject well by five wells, the Patterson "EL" No. 1, Patterson "EL" No. 2, Haldeman "EN" No. 1, Arco "EC" St. No. 2, and the Superior Fed. No. 1, all of which have been proven in this report not to be in communication with the subject well.
8. Yates Petroleum Corporation Haldeman "EN" No. 1 Section 31-17S-26E 1980' FNL, 660' FWL 7-12-75 (8-24-75)	V	8387-8412'	Morrow	The Haldeman "EN" No. 1 has a perforated sand body which seems to be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, on 5-9-79, after producing 1,812,219 mcf, the BHP of the Haldeman "EN" No. 1 was 1569 (BHP Survey attached) which is in contrast with the subject well's virgin BHP of 3532 proving no communication with the subject well. The Haldeman "EN" No. 1 is .8 miles from the subject well.
9. Yates Petroleum Corporation Arco "EC" State No. 2 Section 36-17S-25E 1980' FSL, 1100' FEL 10-16-75 (12-2-75)	V	7988-7986'	Strawn	The Arco "EC" State No. 2 has no sands capable of commercial production that correlate with the subject well's completed reservoir. The Arco "EC" State No. 2 is 1.2 miles from the subject well.
10. Superior Johnson Com No. 1 Section 2-18S-25E 2080' FSL, 660' FEL 9-6-73 (11-1-73)	V	8380-8423'	Morrow	The Johnson Com No. 1 has a perforated sand body which seems to be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, the Johnson Com No. 1 is 2.7 miles from the subject well and is separated from the subject well by the Arco "EC" State No. 2 and the Haldeman "EN" No. 1, both of which have been discussed herein and proven to have no communication with the subject well.

RESERVOIR COMPARISONS - OFFSET WELLS - APPLICATION FOR SEC. 102 NEW RESERVOIR CATEGORY

PAGE 3 OF 6

SUBJECT WELL Goat Roper "LP" Com No. 1 OPERATOR Yates Petroleum Corp. LOCATION Section 30-17S-26E, Eddy County, NM SPUD DATE 2-8-80
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207 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 746-3558

S. P. YATES
PRESIDENT
MARTIN YATES, III
VICE PRESIDENT
JOHN A. YATES
VICE PRESIDENT
B. W. HARPER
SEC. TREAS.

April 17, 1980

Mr. Joe Ramey, Director
Oil Conservation Division
Energy and Minerals Department
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: Application for New Onshore
Reservoir
NGPA Sec. 102 (c)(1)(C)
Yates Petroleum Corporation
Goat Roper "LP" Com No. 1

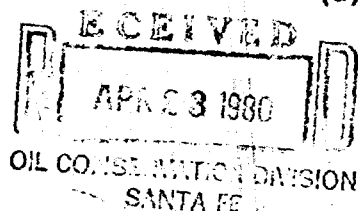
Gentlemen:

Please find enclosed pursuant to the NMOC SPECIAL RULES FOR
APPLICATIONS FOR WELLHEAD PRICE CEILING CATEGORY DETERMINATIONS,
Rule 14, and application for a New Onshore Reservoir Determination
for the referenced well.

We enclose the following:

- (1) Commission Form 121
- (2) Division Form C-132 with required attachments
- (3) Geological and engineering information:

(a) Well logs: X-Section I thru XI



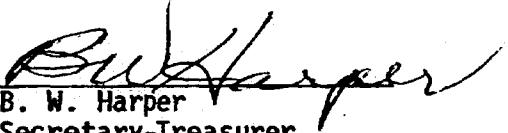
NM OGD CASE #6917
Examiner Hearing 6/25/80 - Application of Yates Petroleum Corporation
EXHIBIT #2

Page 2

- (b) Pressure surveys: Goat Roper BHP Survey 3-15-80
Armstrong CT BHP Survey 9-8-78
Patterson EL #2 BHP Survey 7-31-79
Haldeman EN BHP Survey 5-9-79
Jackson GM BHP Survey 4-14-78
- (c) Well potential test, see Form C-105 attached to form C-132.
- (d) Formation structure map with wells located around subject well
- (e) Subsurface cross section chart
- (f) Gas analysis
- (g) Reservoir comparisons:
- (1) Discussion of subject well
- (2) Discussion of offset wells with attachments if needed
- (4) Statement Under Oath with attachments if needed.

Very truly yours,

YATES PETROLEUM CORPORATION

By: 
B. W. Harper
Secretary-Treasurer

BWH/ej

Enclosures

EDDY COUNTY

NEW MEXICO

EAGLE CREEK FIELD

Well: MADDOX-ENERGY CORP. 1 Martin Com. "L" --- Result: GAS DG - 1
Loc'n: 1 mi S/Artesia; 1980' FSL 660' FWL Sec 29-17S-26E;

Spud: 2-10-77; Comp: 5-23-77; Elev: 3401' Grd; TD: 8600' Miss; PB: 8010'

Casing: 13-3/8" 345' 400 sx; 8-5/8" 1376' 1200 sx; 4-1/2" 8600' 925 sx;

Prod. Zone: (Strawn) T/Pay 7919', Prod thru Perfs 7919-24'

IPF: 87 MCFGPD, 1/4" ch, OOR TSTM, Grav NR, CP Plr, TP 45#

Comp Infr: Ran CNL, DILL, PDC; Perf (Morrow) 8363-67' w/2 SPF; A/1600 gals; PB
8010', Perf (Strawn) 7919-24' w/2 SPF; A/1600 gals; F/@ 160 MCFGPD, 1/4" ch,
Frac w/12,000 gals + 10,000# sd; F/@ 87 MCFGPD, 1-1/2" ch, TP 2050#; A/
750 gals; F/170 MCFGPD, 1/4" ch; C/KMA Drig.

Tops: (EL) San Andres 845', Glorieta 2283', Abo 4237', Wolfe 5400', Canyon
7368', Strawn 7611', Atoka 8045', Morrow 8300', Mississippian 8566'

API No: 30-015-22046

Replaces Card #9, Dated 11-16-77 to show correct results & field name;

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REPRODUCTION PROHIBITED



Petroleum Information

CORPORATION

A Subsidiary of A.C. Jones Company

Date: 8-16-78

Card No.: 32

bc

OPERATOR'S COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

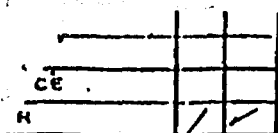
(See other instructions on reverse side)

Form approved,
Budget Bureau No. 42-10355.8.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM 054434-A																									
2. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. FLSYR. <input type="checkbox"/> Other <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME																									
3. NAME OF OPERATOR Yates Petroleum Corporation		7. UNIT AGREEMENT NAME																									
4. ADDRESS OF OPERATOR 207 South 4th Street - Artesia, NM 88210		8. FARM OR LEASE NAME States 6 Federal																									
9. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980' FNL & 1980' FEL of Sec. 6-18S-26E At top prod. interval reported below At total depth		9. WELL NO. 2																									
10. FIELD AND POOL, OR WILDCAT Undesignated		11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 6-18S-26E Unit G NMPM																									
12. PERMIT NO. L.C.C. 11		13. DATE ISSUED FEB 27 1978																									
14. DATE SPECDED 11-12-77		15. DATE T.D. REACHED 12-8-77																									
16. DATE COMPL. (Ready to prod.) 2-1-78		17. ELEVATIONS (DF, REB, RT, CR, ETC.)* 3417' GR																									
18. TOTAL DEPTH, MD & TVD 8730'		19. PLUG, BACK T.D., MD & TVD 8646'																									
20. IF MULTIPLE COMPL., HOW MANY*		21. INTERVALS DRILLED BY ROTARY TOOLS 0-8730'																									
22. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 8488-8520' Morrow		23. WAS DIRECTIONAL SURVEY MADE No																									
24. TYPE ELECTRIC AND OTHER LOGS RUN CNL/FDC, DLL		25. WAS WELL CORED No																									
26. CASING RECORD (Report all strings set in well)																											
<table border="1"><thead><tr><th>CASINO SIZE</th><th>WEIGHT, LB./FT.</th><th>DEPTH SET (MD)</th><th>HOLE SIZE</th><th>CEMENTING RECORD</th><th>AMOUNT PULLED</th></tr></thead><tbody><tr><td>13-3/8"</td><td>54.4&48#</td><td>430'</td><td>17 1/2"</td><td>400 sacks</td><td></td></tr><tr><td>8-5/8"</td><td>24#</td><td>1247'</td><td>12 1/2"</td><td>700 sacks</td><td></td></tr><tr><td>5 1/2"</td><td>17&15.5#</td><td>8714'</td><td>7-7/8"</td><td>1015 sacks</td><td></td></tr></tbody></table>				CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	13-3/8"	54.4&48#	430'	17 1/2"	400 sacks		8-5/8"	24#	1247'	12 1/2"	700 sacks		5 1/2"	17&15.5#	8714'	7-7/8"	1015 sacks	
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29. PERFORATION RECORD (Interval, size and number) 8488-8520' w/76., 34" shots																											
30. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																											
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32. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented																											
33. TEST WITNESSED BY Harvey Apple																											
34. LIST OF ATTACHMENTS																											
35. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records																											
SIGNED <u>Arthur J. Imbriani</u> TITLE <u>Geol. Secty</u> DATE <u>2-24-78</u>																											

*(See Instructions and Spaces for Additional Data on Reverse Side)



WELL COMPLETION OR RECOMPLETION REPAIR AND LOG

RECEIVED

JUN 29 1978

OF WELL

OIL WELL ☐GAS WELL ☒DRY ☐OTHER ☐

TYPE OF COMPLETION

NEW WELL ☐WORK OVER ☐DEEPEN ☐PLUG BACK ☒DIFF. DESGN. ☒OTHER ☐

D.C.C.

Name of Operator

Yates Petroleum Corporation

Address of Operator

207 South 4th Street - Artesian, NM 88210

Location of Well

T SECTOR L LOCATED 1980 FEET FROM THE South LINE AND 660 FEET FROM

West LINE OF SEC. 5 TWP. 18S RGE. 26E

Date Spudded
6-3-7316. Date T.D. Reached
7-2-7317. Date Compl. (Ready to Prod.)
6-22-7818. Elevations (D.F., R.H.B., R.T., G.R., etc.)
3397' KB

19. Elev. Distinguishes

Total Depth
886521. Plug back T.D.
8312'

22. If Multiple Compl., How Many

23. Intervals Drilled By

24. Intervals Drilled By
0-8865

25. Casing Tools

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

8122-26' & 8050-56' Strawn

26. Was Directional Sur Made

No

Type Electric and Other Logs Run

CNL/FDC, DLL

27. Was Well Cased

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"	48#	504'	17 1/2"	400 SX	
8-5/8"	24#	1318'	12 1/4"	700 SX	
4 1/2"	11.6&10.5#	8825'	7-7/8"	275 SX	

LINER RECORD

30.

TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	8087'	8091'

31. Production Record (Interval, size and number)

8122-26' (8 holes)

8050-56' (12 holes) (Total 20 .34" holes)

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

DEPTH INTERVAL

AMOUNT AND KIND MATERIAL USED

8122-26&8050-

8056'

1500 gal 15% DS-30 Acid

PRODUCTION

First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
6-22-78	Flowing	Producing
6-22-78	Hours Tested 24	Choke Size 1/2"
	Prod'n. For Test Period	Oil - Bbl. 800
	Gas - MCF 800	Water - Bbl.
	Calculated 24-hour rate	Oil Gravity - API (Cent.)
	Casing Pressure Pkr	

33. If well is being sold, used for fuel, vented, etc.)

Sold

Test Witnessed By

H. Apple

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

TITLE Geol. Secty

DATE 6-28-78

RECEIVED
LOCATION
OFFICE
LOCATION

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

Form C-105
Revised 1-1-65

AUG 30 1973

30. Indicate Type of Lease
State ☐ Fee ☒
3. State Oil & Gas Lease No.

TYPE OF WELL

OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐ O.C.C.
ARTESIA, OFFICE
NEW WELL ☒ WOPR OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RECVR. ☐ OTHER

7. Unit Agreement Name

8. Name of Lease Name

Armstrong "CT"

9. Well No.

1

10. Field and Pool, or Wildcat
Wildcat

1. Name of Operator

Yates Petroleum Corporation

2. Address of Operator

207 South 4th Street- Artesia, NM 88210

3. Location of well

LOCATED 1980 South LINE AND 660 FEET FROM

West LINE OF SEC. 5 TWP. 18S RGE. 26E NMPH

12. County

Eddy

4. Date Spudded 6-3-73 16. Date T.D. Reached 7-2-73 17. Date Compl. (Ready to Prod.) 8-17-73 18. Elevations (DF, RKB, RT, GR, etc.) 3412 KB 19. Elev. Casinghead 3597

20. Total Depth 8865 21. Plug Back T.D. 8825 22. If Multiple Compl., How Many 23. Intervals Drilled By 0-8865 Rotary Tools Cable Tools

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

8381-8619

25. Was Directional Survey Made

No

26. Type Electric and Other Logs Run

Dual Laterlog, CNL, FDC

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"	48#	504'	17 1/2"	400 SX	
8-5/8"	24#	1318'	12 1/2"	700 SX	
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LINER RECORD

TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	8351	8269

28. Perforation Record (Interval, size and number)

8455-60 - 10 shots
Re-perf. 8381-8387-5shots; 8499-8503-5 shots; 8566-8567-2 shots; 8616-8619-4 shots.

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
8455-60	A/C w/1000g 15% MS w/1# / q
	Nitrogen, 20 bbls KCl wtr
8381-8619	SF w/25000# 20-40 sd & 25000g MS gel wtr.

PRODUCTION

First Production 8-17-73 Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Well Status (Prod. or Shut-in) SI WOPL connection

Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
8-18-73	8			0	370	0	-
Flowing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
195	PKR		25.2 MM	1110	0	-	-

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

Point will be taken when Pipeline connection is made

Test Witnessed By

DST's and Deviation Survey

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

Eddie H. Lundy

TITLE Engineer

DATE 8-30-73

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

RECEIVED

FEB 28 1979

TYPE OF WELL

TYPE OF COMPLETION

NEW WELL ☒

WORK OVER ☐

DEEPEN ☐

OIL WELL ☐

GAS WELL ☒

DRY ☐

OTHER

ARTESIAN ☒

WATER ☐

OTHER

Name of Operator

Yates Petroleum Corporation

Address of Operator

207 South 4th Street - Artesia, NM 88210

Location of Well

SECTION N LOCATED 660 FEET FROM THE South LINE AND 2310 FEET FROM

West LINE OF SEC. 31 TWP. 17S RGE. 26E NEPM

Date Spudded

16. Date T.D. Reached

17. Date Compl. (Ready to Prod.)

18. Elevations (d.f., RKB, RT, GR, etc.)

19. Elev. Casinghead

12-28-78

1-30-79

2-15-79

3422' GR

Total Depth

21. Plug Back T.D.

22. If Multiple Compl., How Many

23. Intervals Drilled By

History Tools

Cable Tools

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

8467-8497' MORROW

25. Was Directional Survey Made

No

Type Electric and Other Logs Run

CNL/FDC, DLL

27. Was Well Cased

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"	48#	360'	17 1/2"	360 sacks	
8-5/8"	24#	1274'	12 1/4"	1120 sacks	
6 1/2"	15.5&17#	8931'	7-7/8"	550 sacks	

LINER RECORD

30.

TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-7/8"	8434	8434'

Production Record (Interval, size and number) (2)

8467-8475' w/16 .50" holes (spf)

8491-8497' w/12. 50" holes (2 spf)

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
8467-8497'	1000 g 7 1/2" MSA, 28500#
	20-40 sand & 21500 g
	treated fluid.

PRODUCTION

Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
Flowing	SIWOPLC
Hours Tested	3
Choke Size	1/2"
Prod'n. Per Test Period	TSTM
Oil - Bbl.	336
Gas - MCF	2710
Water - Bbl.	
Oil Gravity - API (Corr.)	
Test Witnessed by	Harvey Apple

Vented - will be sold

DST

Information on both sides of this form is true and complete to the best of my knowledge and belief.

TITLE Geol. Secty

DATE 2-27-79

EDDY COUNTY

Well: YATES PETROLEUM CORP, 1 Kennedy "JO" Com.
Locn: 3 mi S/Artesia; Sec 33-17S-26E; 2510' FNL, 660' FEL Sec

Result GAS DC

Spud: 5-22-78; Comp: 7-6-78; Elev: 3339' Grd; TD: 8732' Morrow; PB: 8666'
Casing: 13-3/8" 429'/350 sx; 8-5/8" 1443'/850 sx; 4-1/2" 8728'/570 sx
Prod Zone: (Morrow), T/Pay 8600', Prod thru Perfs 8600-18'
IPF: 2300 MCFGPD, 1/2" ch, CP pkr, TP 380#
Comp Info: ran CNL, FDC, DILL logs; Perf (Morrow) 8600-18'/4 SPF; A/3000 gals
(7-1/2%); C/Moranco
Tops EL: Atoka 8350', Morrow Clastics 8568', Chester 8787'
API No: 30-015-22548

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Date: 8-2-78

Card No.: 6 dh

EDDY COUNTY

NEW MEXICO

UNDESIGNATED FIELD

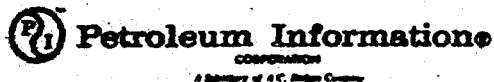
Well: YATES PET. CORP. 2 Mitchell "DN"

Result: TEMP COMP SUS

Locn: 2 mi SW/Artesia, 2030' FSL660' FEL Sec 23-17S-25E.

Spud: 8-9-77; Comp: 11-7-77; Elev: 3476' Grd; TD: 9500' Morrow;
Casing: 13 3/8" 358'/280 sx, 8 5/8" 1262'/1310 sx, 5 1/2" 9500'/1335 sx
Comp Info: "tight"; Suspended Operations; C/Moranco #9.
Tops: NR
API No.: 30-015-22242

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Date: 11-16-77

Card No.: 8 nn

EDDY COUNTY

NEW MEXICO

E. EAGLE CREEK FIELD

Well: YATES PETROLEUM CORP. 7 Ingram-Jackson "BV"
Locn: 2-1/2 mi SW/Artesia, 1980' FNL, 1980' FEL Sec 26-17S-25E

Result GAS DG

Spud: 1-19-79; Comp: 6-22-79; Elev: 3388' Grd; TD: 8430' Morrow; PB: 8288'
Casing: 13-3/8" 380'/375 sx; 8-5/8" 1220'/850 sx; 4-1/2" 8430'/470 sx
Prod Zone: (Atoka-Morrow), T/Pay 8030', Prod thru Perfs 8030-8245'
IPF: 910 MCFGPD, /24 hr est thru 24/64" ch, Grav NR, GOR 114,000, CP Plr, TP 260#
Comp Info: DST (Strawn) 7845-7290', mis-run, DST (Strawn) 7845-7920', op 1 hr 30 min.
w/wh flow, rec 87' DF, 1 hr 30 mins ISIP 142#, FP 113-113#, 3 hr PSIP 142#, HP 3677-3648#, BHT 130 deg, East (Atoka) 5030-74' w/22 ch, A/2000 gals, Frac 30, 000 gals + 22,500#sd, Perf (Morrow) 8132-39' w/4 SPF, A/1200 gals (7-1/2%)
Perf (Morrow) 8236-45' w/ 2 SPF, A/1500 gals, Frac 9000 gals + 10,500# sd, ran CNL, FDC, DILL, logs, C/Landis #4
Tops (EL) San And 770', Glorieta 2114', Abo 4120', Wolfc 5325', Penn 6498', Canyon 7235', Strawn 7616', Atoka 7950', Morrow 8125', Chester 8312'
API No.: 30-015-22789

Replaces card #7 dated 4-11-79 for well results; Orig Suspended Completion.

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Date: 8-8-79

Card No.: 19 gb

EDDY COUNTY

NEW MEXICO

EAGLE CREEK FIELD

Well:
Locn:

YATES PETROLEUM CORP. 1 ARCO "EC" State OWWO Result: GAS DG
2 mi SW/Artesia, 660' FNL, 2310' FEL Sec 36-17S-25E
(Orig comp 5-29-75 thru (Morrow) Perfs 8338-65', OTD 8678', OPB 8610', OWWO
& Re-comp 3-28-78 thru (Strawn) Perfs 7952-78', OTD 8678', OPB 8043')

Spud: 3-20-79; Comp: 7-11-79; Elev: 3453' Grd; TD: 8678' Miss; PB: 8043'
Casing: 12-3/4" 376'/250 sx; 8-5/8" 1276'/1150 sx; 5-1/2" 8678'/200 sx
Prod Zone: (Permo-Penn), T/Pay 6534', Prod thru Perfs 6534-6692'
IPF: 395 MCFGPD/24 hr test thru 1/4" ch, Grav NR, GOR NR, CP NR, TP NR
Comp Info: Set RBP @ 7884', Perf (Csg Sqzd) @ 7750' w/4 shots, Sqzd 7750'/350 sx,
Perf (Permo-Penn) 6534-41', 6546-50', 6608-17', 6681-92' w/2 SPT, A/8000 gals
Tops: NR
API No: 30-015-21472

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Petroleum Information

CORPORATION
A Subsidiary of A.C. Miller Company

Date: 8-8-79

Card No.: 3 gb

EDDY COUNTY

NEW MEXICO

EAGLE CREEK

Well:
Locn:

YATES PETROLEUM CORP. 1 ARCO "EC" State OWWO Result: GAS DG
2 mi SW/Artesia, 660' FNL, 2310' FEL Sec 36-17S-25E
(Orig comp 5-19-75 thru (Morrow) Perfs 8338-65', OTD 8678', OPB
8610'; OWWO & Re-comp 3-28-79 thru (Strawn) Perfs 7952-78', OTD
8678', OPB 8043')

Spud: 6-30-79; Comp: 7-11-79; Elev: 3453' Grd; TD: 8678' Miss; PB: 6728'
Casing: 12-3/4" 376'/250 sx; 8-5/8" 1276'/1150 sx; 5-1/2" 8678'/200 sx
Prod Zone: (Permo-Penn), T/Pay 6534', Prod thru Perfs 6534-6692'
IPF: 395 MCFGPD/24 hr test thru 1/2" ch, Grav NR, GOR NR, CP Pkr,
TP 63#
Comp Info: PB to 6728', Perf (Permo-Penn) 6534-41; 6546-50; 6608-17;
6681-92', A/8000 gals, C/NR
Tops: NR
API No: 30-015-21472

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Petroleum Information

CORPORATION
A Subsidiary of A.C. Miller Company

Date: 11-21-79

Card No.: 4 gb

EDDY COUNTY

NEW MEXICO

EAGLE CREEK FIELD

Well:
Locn:

YATES PETROLEUM CORP. 1 Arco "EC" State OWWO Result: GAS DG
2 mi SW/Artesia; 660' FNL, 2310' FEL Sec 36-17S-25E; (Orig comp 5-29-75 thru
Morrow perfs 8338-65, OTD 8678'; PB 8610')

Spud: 3-20-79; Comp: 3-28-79; Elev: 3453' Grd; TD: 8678' Miss; PB: 8043'
Casing: 12-3/4" 376'/250 sx; 8-5/8" 1276'/1150 sx; 5-1/2" 8678'/200 sx
Prod Zone: (Strawn), T/Pay 7952', Prod thru Perfs 7952-78'
IPF: 331 MCFGPU 1/4" ch, CP phs, TP 232#
Comp Infor set BP @ 8043'; Perf (Strawn) 13/7952-78', frac w/20,000 gals acid &
10,000 gals CO₂;
Tops: NR
API No: 30-015-21472

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Petroleum Information

CORPORATION
A Subsidiary of A.C. Miller Company

Date: 4-25-79

Card No.: 3 dh

EDDY Wildcat STATE NM
YATES PETROLEUM CORP. 30-015-21680
1 Caskey 'EV' Com. 2-2-6 NM
Sec 30, T17S, R26E
660' FSL, 1400' FWL of Sec
2 mi S/Artesia
11-19-75 1-14-76 D WSD
13 3/8" at 360' w/250 sx
8 5/8" at 1282' w/600 sx
4 1/2" at 8451' w/470 sx
IP (Atoka) Perfs 8015-8166' F 4660 MCFGPD + 4 B Cond. Pot
based on 3 hr test thru 1/2" chk. GOR 105,820; Grav (Cond) 53;
TP 725#
3428' GL 8950' RT

F.R. 11-24-75
(Morrow)
2-14-76 AMEND FIELD NAME: Formerly reported as
Undesignated
12-3-75 Drlg 6485'
12-10-75 Drlg 8045'
12-17-75 TD 8570'; "Tight"
2-2-76 TD 8570'; PBD 8451'; Comp (Hold for Information)
DST (Strawn) 7784-7910', Mis-Run
DST (Strawn) 7790-7910', open 1 hr 30 mins, GTS
in 7 mins, rec 295' DM, 1 hr ISIP 2944#, FP
140-140#, 3 hr FSIP 2979#, HP 3576-3451#
DST (Atoka) 7994-8045', open 3 hrs, GTS immed,
no gge, rec 180' Cond + 657' Cond & GCM, 1 hr 30
min ISIP 3039#, FP 239-425#, 5 hr FSIP 3013#, HP
3643-3535#, BHT 134 deg
2-2-6 NM

EDDY Wildcat NM
YATES PETROLEUM CORP. 1 Caskey 'EV' Com. Page #2
Sec 30, T17S, R26E

2-2-76 Continued
Perf (Atoka) 8015-34', 8140-46', 8160-66'
w/4 SPP
Acid (8140-66') 2000 gals
Frac (8140-66') 16,000 gals + 21,000# sd
Acid (8015-34') 2000 gals
Frac (8015-34') 22,500 gals + 30,000# sd
TD 8570'; PBD 8451'; Complete
Atoka Discovery in Undesignated Morrow Field,
No Suggested Field Name
LOG TOPS: San Andres 848', Glorieta 2239',
Abo 4211', Wolfcamp 5362', Cisco 6680',
Strawn 7580', Atoka 7985', Morrow Clastics
8298', Chester 8484'
COMPLETION ISSUED 2-2-6 NM

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WILDCAT NM

YATES PETROLEUM CORP. AD 30-015-21531

1 Manseau "EK" Fee Com. 9-3-3 NM

Sec 35, T-17-S, R-25-E

660' FNL, 1980' FEL of Sec

3 mi SW/Artesia

5-21-75 6-23-75

FORMATION	DATE	TIME	WSD
SA 1100	712		

12 3/4" at 361' w/215 sx
8 5/8" at 1225' w/1050 sx
4 1/2" at 8190' w/500 sx

8455' (PSIV) 8190'

IP (Strawn) Perf 8003-19' F 2380 MCFGPD + 1 B Cond. Pot based on 24 hr test thru 1/2" chn, GOR 208,770, Grav (Cond) 51., TP 360#

3501' GL 8700' RT

F.R. 5-19-75
(Morrow)

9-20-75 AMEND FIELD NAME: Formerly reported as Atoka, W.
6-9-75 AMEND LEASE NAME: Formerly reported as Monseau "DK" Fee Com.

5-28-75 TD 3263'; Trip
6-3-75 Drlg 6270'
6-10-75 Drlg 8050'

DST (Cisco) 6292-6660', open 1 hr 30 mins, GTS 22 mins @ 265 MCFGPD, rec 540' HGCM + 390' DM, 1 hr 15 min ISIP 2360#, FP 350-524#, 2 hr FSIP 2360#, HP 3009-2939#

DST (Strawn) 7939-8028', open 1 hr 30 mins, GTS 22 mins, No gauge, rec 510' Sll GCM, 1 hr 15 min ISIP 2868#, FP 105-110#, 2 hr FSIP 2868#, HP 3713-3713#, BHT 140 deg

9-3-3 NM

WILDCAT NM

YATES PETROLEUM CORP. 1 Manseau "EK" Fee Com.

Sec 35, T17S, R25E Page 2

7-14-75 TD 8455'; WOCU "Tight"
7-25-75 TD 8455'; SI "Tight"
8-15-75 TD 8455'; PBD 8190'; Complete

Perf (Strawn) 8003-19' w/4 SPF
Acid (8003-19') 1500 gals
Frac (8003-19') 10,000 gals wtr + 20,000# sd

Strawn Discovery, No Suggested Field Name
LOG TONS: San Andres 792', Glorieta 2160',
Abb 4140', Wolfcamp 5308', Cisco 6447', Lower
Canyon 7336', Strawn 7780', Atoka 8106'

COMPLETION ISSUED

EDDY
WESTERN OIL PRODUCERS, INC.
2 LEASE Flint
Sec 25, T-17-S, R-25-E
660' FSL 2310' FWL of Sec
2 mi SW/Artesia
6-13-75 8-14-75

STATE NM
30-015-21559
11-1-3 NM

WELL CLASS: RET WF
FORMATION DATUM FORMATION DATUM

12 3/4" at 504' w/400 sx
8 5/8" at 1261' w/1160 sx
5 1/2" at 8508' w/575 sx

TO 10,243' (DVNN) 8462'

IP (Morrow) Perfs 8250-60' CAOP 17,025 MCFGPD, GOR Dry; Grav
(Gas) .655; SIWHP 2119#

WEK Eagle Creek Bingham 3460' GL 9100' RT

11-1-75 F.R. 6-9-75
(Devonian)
AMEND FIELD NAME: Formerly reported as
Wildcat
6-23-75 AMEND FOOTAGE: Formerly reported as 330' FSL,
2310' FWL of Sec
6-17-75 TD 1260'; Drlg Cmt
6-23-75 Drlg 3990'
6-30-75 Drlg 6818'
7-7-75 Drlg 8440'
7-15-75 Drlg 9520'
DST (Morrow) 8190-8540', open 1 hr 30 mins, GTS
in 3 mins, rec 200' GCM, 2 hr ISIP 2728#, FP
350-279#, 4 hr FSIP 2833#, HP 3959-3959#

11-1-3 NM

EDDY Undesignated
WESTERN OIL PRODUCERS, INC. 2 Flint
Sec 25, T17S, R25E

NM
Page #2

7-15-75 Continued
DST (Devonian) 9110-35', open 30 mins, no
rec, 1 hr ISIP 2756#, FP 33-46#, 2 hr FSIP
2254#, HP 4262-4217#
7-21-75 TD 10,243'; "Tight"
7-28-75 TD 10,243'; WOCU
8-4-75 TD 10,243'; PBD 8508' Completing "Tight"
10-13-75 TD 10,243'; PBD 8462'; Complete (Hold for info)
Perf (Morrow) 8250-60' w/2 SPF
Acid (8250-60') 2000 gals
Frac (8250-60') 70,000 gals + 49,000# sd
10-27-75 TD 10,243'; PBD 8462'; Complete
(Morrow) FOUR POINT GAUGES:
Flwd 2060 MCFGPD, 13/64" chk, 60 mins, TP 1976#
11-1-3 NM

10-27-75 Continued
Flwd 1446 MCFGPD, 11/64" chk, 60 mins, TP 1968#
Flwd 961 MCFGPD, 9/64" chk, 60 mins, TP 1988#
Flwd 759 MCFGPD, 8/64" chk, 60 mins, TP 2022#
LOG TOPS: San Andres 810', Glorieta 2180',
Tubb 3422', Abo 4138', Cisco 6427', Canyon
6697', Atoka 7863', Mississippian 8420',
Devonian 9100'
11-1-75 COMPLETION ISSUED

11-1-3 NM

EDDY Undesignated STATE NM
 YATES PETROLEUM CORP. 30-015-21564
 1 LEASE Jackson "EM" Cont. 9-3-2 NM
 Sec 25, T-17-S, R-25-E
 660' FSL, 1980' FEL of Sec
 2 mi SW/Artesia
 6-15-75 7-19-75

WELL CLASS	INT	D	FIN	DG
FORMATION	DATUM	FORMATION		
CA 3252	912			

12 3/4" at 363' w/250 sx
 8 5/8" at 1276' w/900 sx
 5 1/2" at 8512' w/165 sx
 8530' (MSSP) 8512'
 IP (Morrow) Perfs 8282-8370' F 11,510 MCFGPD + 105 BO. Pot based
 on 1 hr test thru 1/2" chk, GOR 109,620, Grav (Cond) 55.6, TP
 1910#

Aid 3453' GL 8950' RT

F.R. 6-16-75
 (Morrow)
 6-18-75 TD 1280'; Rng 8 5/8" csg
 6-23-75 Drlg 4130'
 7-1-75 Drlg 7880'
 7-14-75 TD 8530'; "Tight"
 7-28-75 TD 8530'; "Tight"
 No Cores or DST's
 9-15-75 TD 8530'; PBD 8512'; Complete
 Perf (Morrow) 8282-8370' w/4 SPF
 Natural
 LOG TOPS: San Andres 803', Glorieta 2205',
 Abo 4172', Wolfcamp Lime 5323', Lower Canyon
 7295', Strawn 7743', Atoka 8050', Morrow Clastics
 8240', Chester 8480'
 9-20-75 COMPLETION ISSUED

9-3-2 NM

IP (Cisco) Perfs 6480-6534* CAOF 19,000 MCFCPD. GCR
(Dry), Grav (Gas) .688 SIWHP 1628#

CONTR	OPRS ELEV	3467'	GL	3482'	DEP	8800'	TYPE	RT
-------	-----------	-------	----	-------	-----	-------	------	----

P.R. 1-7-74
 (Morrow)
 3-1-74 Drlg 8150'
 3-18-74 TD 8507', WOCU
 DST (Atoka) miss-run
 DST (Atoka) miss-run
 DST (Cisco) 6460-6707', open 1 hr 15
 mins, GTS in 5 mins @ 482 MCF/GPD, rec
 990' GCDF, 1 hr ISIP 2142#, FP 714-485#,
 2 hr FSIP 2019#
 DST (Morrow) (NA)
 4-22-74 TD 8507'; PB 6600'; SI WO Pipeline Conn
 Perf (6480-6534') (overall)
 Acid (6480-6534') 27,500 gals
 Flwd 2.43 MMCF/GPD, 16/64" chkl
 4-25-74 TD 8507'; PBD 6600'; WO Pipeline Conn

EDDY Wildcat
WESTERN OIL PROD., INC. #1 Flint
Sec 25, T17S, R25E

NM
Page #2

5-20-74 TD 8507'; PB 6600'; COMPLETE
Cisco FOUR POINT GAUGES:
Flwd 613 MCFGPD, 8/64" chk, 1 hr, TP 1621#
Flwd 971 MCFGPD, 10/64" chk, 30 min, TP 1610#
Flwd 1656 MCFGPD, 13/64" chk, 30 min, TP 1595#
Flwd 2476 MCFGPD, 16/64" chk 30 min TP 1560#
LOG TOPS: Glorieta 2170', Tubb 3470', Abó
4120', Cisco 6470', Canyon 6680', Atoka 7870',
Burnett 8380', Chester 8470'
Cisco Discovery
5-25-74 COMPLETION REPORTED

EDDY Undesignated STATE NM
YATES PETROLEUM CORP. MH 21627
1 Gossett "EU" Com. 4-4-6 NM
Sec 26, T17S, R25E
1650' FSL, 1980' FWL of Sec
2 1/2 mi SW/Artesia
Re-12-1-75 Re-12-15-75
FORM CLASS: DX DG
FORMATION DATUM FORMATION DATUM
13 3/8" at 340' w/250 sx
8 5/8" at 1220' w/1000 sx
4 1/2" at 7824' w/610 sx
8420' (BRNT) 7821'
IP (Wolfcamp) Perfs 6624-44' F 2070 MCFGPD. Pot based on 12 hr
test thru 1/2" chk. GOR dry; TP 240#
(Strawn) Perfs 7792-7819' No Change
CONTR 3515' GL 6644' WO

F.R.C. 4-24-76 OWO
(Wolfcamp)
(Orig. comp 12-5-75 thru (Strawn) Perfs 7792-7819',
OTD 8420', OPB 7821')
4-19-76 TD 8420'; PBD 7821'; Complete
Perf (Wolfcamp) 6624-44' w/72 shots
Acid (6624-44') 30,000 gals
4-24-76 COMPLETION ISSUED
4-4-6 NM

EDDY Undesignated STATE NM
YATES PETROLEUM CORP. 30-015-21627
1 Gossett "EU" 2-2-4 NM
Sec 26, T17S, R25E
1650' FSL, 1980' FWL of Sec
3 mi SW/Artesia
9-18-75 12-5-75
FORM CLASS: D DG
FORMATION DATUM FORMATION DATUM
13 3/8" at 340' w/250 sx
8 5/8" at 1220' w/1000 sx
4 1/2" at 7824' w/610 sx
8420' (BRNT) 7821'
IP (Strawn) Perfs 7792-7819' F 450 MCFGPD. Pot based on 12 hr
test thru 1/2" chk. GOR TSTM; TP 63#
Ard 3515' GL 8550' RT

F.R. 9-22-75
 (Morrow)
 9-24-75 Drlg 2565'
 10-2-75 Drlg 5783'
 10-8-75 TD 7900'; Prep DST
 10-14-75 TD 8420'; "Tight"
 DST (Strawn) 7780-7900', open 1 hr 30 mins, GIS
 in 17 mins, rec 650' DM + 150' sli GCM, 1 hr 5
 min ISIP 2048#, FP 176-228#, 3 hr FSIP 2400#,
 HP 3570-3505#
 10-27-75 TD 8420'; PBD 7821'; WOCU "Tight"
 1-19-76 TD 8420'; PBD 7821'; Complete (Hold for Info)
 Perf (Strawn) 7792-98', 7814-19' w/2 SPF
 Acid (7792-7819') 1500 gals
 Frac (7792-7819') 12,000 gals + 20,000# ed

2-2-4 NM

EDDY Undesignated
 YATES PETROLEUM CORP. 1 Gossett "EU"
 Sec 26, T17S, R25E

NM
 Page #2

2-9-76 TD 8420'; PBD 7821'; Complete
 LOG TOPS: San Andres 792', Abo 4124',
 Wolfcamp 5323', Pennsylvanian 6535',
 Canyon 6684', Strawn 7515', Atoka 7930',
 Morrow Clastics 8202'
 2-14-76 COMPLETION ISSUED

2-2-4 NM
 IC 30-015-70042-75

EDDY COUNTY

NEW MEXICO

KENNEDY FARMS FIELD

Well: YATES PET. CORP. 1 Siengenthaler "IS" Com.

Result: DUAL
GAS

DG

Locn: 1 mi SE/Artesia, 1980' FSL 660' FEL Sec 21-17S-26E.

Spud: 11-7-77; Comp: 12-20-77; Elev: 3362' grd; TD: 8670' Miss; PB: 8607'

Casing: 13 3/8" 460'/340' sx, 9 5/8" 1420'/1025' sx, 5 1/2" 8647'/335' sx

Prod Zone: (Atoka) T/Pay 8194', prod thru perfs 8194-8298'

IPF: 6750 MCFGPD, 3/4" ch, COR NR, Grav NR, CP pkr, TP 460#

Prod Zone: (Morrow) T/Pay 8404', prod thru perfs 8404-30'

IPF: 3750 MCFGPD, 1/2" ch, COR NR, Grav NR, CP Pkr, TP 570#

Comp Info: DST (Cany) 7127-7230', op 2 hrs, rec 4' SW, (Sampler rec .032 CFG & 2200

cc's wt, 1 hr 30 min ISIP 142#, FP 106-106#, 3 hr FSIP 142#, HP 3300-3300#; DST

(Atoka) 8112-8305', op 1 hr, GTS 9 min @ 9100 MCFGPD, 1/2" ch, rec 439' cond & 440'

GCM, (Sampler rec 22.58 CFG), 1 hr 30 min ISIP 2654#, FP 1887-2015#, 3 hr FSIP 2612

HP 3976-3976#; Perf (Morrow) 8404-13', 8422-30' w/4 SPF; natura; Perf (Atoka) 8194-

8202', 8236-43', 8288-98' w/2 SPF; natura; Morrow Completed 12-15-77; ran CNL, FD

& DILL logs; C/Moranco #6.

Tops (EL) San And 970', Glos 2350', Abo 4398', Wolfe 5502', Cisco 6660', Cany 7394',

Strawn 7844', Atoka 8182', Morrow Clastics 8401', Chester 8625'

API No.: 30-015-22329

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Petroleum Information

CORPORATION

A Subsidiary of A.C. Nelson Company

Date: 4-12-78

Card No.: 4 rm

EDDY COUNTY

NEW MEXICO

UNDESIGNATED FIELD

Well: YATES PETROLEUM CORP, 1 Jacks "GM" Com

Result: GAS DG

Locn: 1 mi SW/Artesia; Sec 24-17S-23E; 660' FSL, 1650' FWL Sec

Spud: 8-27-76; Comp: 11-3-76; Elev: 3468' Grd; TD: 8383' Miss; PB: 8340'

Casing: 13-3/8" 318'/150' sx; 8-5/8" 1245'/810' sx; 4-1/2" 8377'/250' sx

Prod Zones (Morrow), T/Pay 8120', Prod thru Perfs 8120-8278'

IPF: 2260 MCFGPD + 9 B C 3/4" ch, Grav (cond) 55.6, COR 241, 800-1, TP 140#

Comp Info: DST (Morrow) 8080-8178', op 1 hr 25 mins, GTS 5 min & stab @ 2022

MCFGPD 1/2" ch, SFF 508#, rec 590' GCDM w/trace cond, ISIP 3103#/1 hr, FP 524-

568#, FSIP 3103#/2 hrs, HP 3936-3936#, BHT 132 deg; Perf (Morrow) 8120-26',

8144-62', 8268-74'/4 SPF/A/1000 gals; frac w/5000 gals & 1500# sd; ran CNL,

FDC, DILL logs; C/Ard; A/2500 gals

Tops EL: San And 817', Glos 2219', Abo 4160', Wolfe 5375', Penn 6528', L/Canyon

7209', Strawn 7426', Atoka 7831', Morrow Clastics 8111', Chester 8286'

API Nos 30-015-21896

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Petroleum Information

CORPORATION

A Subsidiary of A.C. Nelson Company

Date: 12-8-76

Card No.: 1 ch

EDDY COUNTY NEW MEXICO KENNEDY FARMS FIELD

Well: YATES PET. CORP. 1 Johnson Com. "JT" Result: GAS DG

Loc'n: 3 mi SE/Artesia, 2016' FNL 660' FEL Sec 28-17S-26E.

Spud: 7-25-78; Comp: 9-13-78; Elev: 3352' grd; TD: 8732' CSCR; PB: 8635'
 Casing: 13 3/8" 385'/325' sx, 8 5/8" 1438'/1100' sx, 4 1/2" 8658'/650' sx
 Prod Zone: (Morrow) T/Pay 8496', prod thru perfs 8496-8529'
 IPF: 1150 MCFCPD, 1/2" ch, GOR NR, Grav NR, CP pkr, TP 180#
 Comp Info: DST (Morrow) 8430-8528', op 2 hrs 30 min, GTS 9 min @ 2700 MCFCPD,
 1/2" ch @ 425#, rec 686' GCM, 1 hr 30 min ISIP 3428#, FP 414-675#, 3 hr FSIP
 3340#, HP 4175-4175#; Perf (Morrow) 8496-8529' (OA); natural ran CNL, FDC &
 DILL logs; C/Capitan #15.
 Tops: (EL) San And 982', Glor 2381', Abo 4408', Wolfe 5509', Cisco 6689', L/Cany
 7429', Strawn 7880', Atoka 8243', Morrow Clastics 8456', Chester 8670'
 API No.: 30-01S-22600

Replaces Card #5, dated 10-11-78 to show correct information & add DST's; Orig. issued
 as #1 J. T. Johnson Com.

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Petroleum Information

CORPORATION
A Subsidiary of A.C. Rabin Company

Date: 11-8-78

Card No.: 26 mm

EDDY COUNTY NEW MEXICO WILDCAT

Well: YATES PET. CORP. 2 Siegenthaller "IS" Com.

Result: GAS WFD

Loc'n: 1 mi SE/Artesia, 1460' FSL 198' FWL Sec 21-17S-26E.

Spud: 2-14-78; Comp: 4-13-78; Elev: 3369' grd; TD: 8627' Chester; PB: 7708'
 Casing: 13 3/8" 370'/400' sx, 8 5/8" 1476'/1100' sx, 5 1/2" 8420'/340' sx
 Prod Zone: (Cany) T/Pay 7690', prod thru perfs 7690-96'
 IPF: 350 MCFCPD, 1/2" ch, TP 43#
 Comp Info: Perf (Strawn) 8313-17' w/4 SPF; A/1000 gals; S/dry; Perf (Strawn) 8029-33'
 w/4 SPF; A/3000 gals; S/down; set BP @ 7708'; Perf (Cany) 7690-96' w/4 SPF; A/5000
 gals; ran CNL & DILL logs; C/Capitan #2.
 Tops: (EL) San And 910', Glor 2329', Abo 4362', Wolfe 5460', Cisco 6659', Cany 7381',
 Strawn 7834', Morrow 8376', Chester 8572'
 API No.: 30-01S-22413

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Petroleum Information

CORPORATION
A Subsidiary of A.C. Rabin Company

Date: 6-21-78

Card No.: 7 mm

EDDY COUNTY NEW MEXICO KENNEDY FARMS FIELD

Well: YATES PETROLEUM CORP, 1 Tom Brown "GO" Com.

Result: GAS DG

Loc'n: 1 mi SE/Artesia; Sec 22-17S-26E; 835' FNL, 1980' FWL Sec

Spud: 12-10-76; Comp: 3-9-77; Elev: 3339' Grd, 3356' K B; TD: 8725' Miss; PB: 8539'
 Casing: 13-3/8" 402'/300' sx; 8-5/8" 1402'/600' sx; 5-1/2" 8609'/450' sx
 Prod Zones (Morrow), T/Pay 8398', Prod thru Perfs 8398-8512'
 IPF: 2650 MCFCPD 1/2" ch, Grav NR, GOR NR, FTP 420#
 Comp Info: DST (Cisco) 6691-6825', op 2 hrs 30 mins, rec 1000' GCDP (sampler rec
 1850 cc's SW w/show oil @ 250#), ISIP 2369#/1 hr, FP 408-631#, FSIP 2382#/4 hrs;
 HP 3024-3024#, BHT 118 deg; DST (Morrow) 8375-8725', op 1 hr 50 mins, GTS 10
 mins @ 2100 MCFCPD 1/4" ch, rec 1250' GCM (sampler rec 2.695 CFG @ 1750#)
 ISIP 3466#/1 hr, FP 827-1563#, FSIP 3466#/2 hrs, HP 4100-4387#, BHT 122 deg;
 Perf (Morrow) 8398-8402', 8504-12' 4 SPF; A/1500 gals, ran CNL, FDC, GRL, DILL
 logs; BHT 126 deg; C/Arld
 Tops EL: Glor 2323', Abo 4393', Cisco 6663', L/Canyon 7424', Strawn 7861', Atoka
 8226', Morrow Clastics 8418', Chester 8641'
 API No: 30-01S-21953

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Petroleum Information

CORPORATION
A Subsidiary of A.C. Rabin Company

Date: 4-20-77

Card No.: 4 dh

EDDY Undesignated STATE NM
 YATES PETROLEUM CORP. 30-015-21576
 1 Nellor 'EO' Com. 3-1-5 NM
 Sec 30, T17S, R26E
 1980' FNL, 660' FWL of Sec
 1 mi S/Artesia
 1-15-76 2-8-76
 13 3/8" at 340' w/250 sx
 8 5/8" at 1300' w/900 sx
 8475' (MSSP)
 DRY & ABANDONED

Artesia 3432' GL 8800' RT

F.R. 6-30-75
 (Morrow)
 1-20-76 Drlg 2385'
 1-27-76 TD 5620'; Trip
 2-4-76 Drlg 8095'
 2-10-76 TD 8475'; D&A (Hold for Tops)
 DST (Atoka) 8020-8147', open 1 hr 30 mins, rec
 470' DF, 1 hr 30 min ISIP 2282#, FP 186-169#,
 3 hr FSIP 2883#, HP 3774-3748#
 3-1-76 TD 8475'; Dry & Abandoned
 LOG TOPS: San Andres 815', Glorieta 2210', Abo
 4198', Wolfcamp 5335', Canyon 7295', Strawn 7534',
 Atoka 7937', Morrow Clastics 8238', Chester 8422'
 3-6-76 COMPLETION ISSUED 3-1-5 NM

EDDY Undesignated STATE NM
 YATES PETROLEUM CORP. MH 21607
 1 City of Artesia 'EQ' Com. 4-4-5 NM
 Sec 24, T17S, R25E
 1650' FSL, 1980' FEL of Sec
 1 mi SW/Artesia
 11-15-75 11-30-75
 13 3/8" at 369' w/250 sx
 8 5/8" at 1262' w/1325 sx
 4 1/2" at 8277' w/545 sx
 8406' (MSSP) 8243'

IP (Wolfcamp) Perfs 6530-6600' F 490 MCWPD + trace wtr. Pot
 based on 24 hr test thru 1/2" chk. GOR dry; TP 68#
 (Morrow) Perfs 8133-39' No Change

Artesia 3450' GL 6600' WO

F.R.C. 4-24-76 OWWO
 (Wolfcamp)
 (Orig. comp 9-18-75 thru (Morrow) Perfs 8133-39',
 OFD 8406', OPB 8243')
 4-19-76 TD 8406'; PED 8243'; Complete
 Perf (Wolfcamp) 6530-40', 6595-6600' w/30 shots
 Acid (6530-6600') 14,500 gals
 4-24-76 COMPLETION ISSUED 4-4-5 NM

EDDY COUNTY

NEW MEXICO

EAGEL CREEK, E. FIELD

Well: YATES PET. CORP. 1 Lanning "JC" Com.

Result: GAS DG

Locn: 1 mi W/Atoka, 660' FNL 2310' FEL Sec 7-18S-26E

Spud: 9-23-78; Comp: 11-7-78; Elev: 3417' grd; TD: 8810' Morrow; PB: 8683'

Casing: 13 3/8" 423'/300 sx, 8 5/8" 1335'/1010 sx, 4 1/2" 8732'/325 sx

Prod Zone: (Morrow) T/Pay 8544', prod thru perfs 8544-97'

IPF: 900 MCFGPD, 1/2" ch, GOR NR, Grav NR, CP pkr, TP 143#

Comp Info: No DST's; Perf (Morrow) 8544-97'; A/3000 gals (7 1/2%); frac w/30,000 gals &

42,000# ad; ran CNL, FDC & DILL logs; C/Moranco.

Tops: (EL) San And 887', Gior 2288', Abo 4305', Wolfe 5407', Cany 7460', Strawn 7525',

Atoka 8303', Morrow 8516'

API No.: 30-015-22689

Replaces Card #13, dated 12-13-78 to show results of well from Temp Comp & lease from J. E. Lanning Com.



Petroleum Information

CORPORATION

A Division of A.C. Miller Company

Date: 2-7-79

Card No.: 16 rm

EDDY COUNTY

NEW MEXICO

ATOKA FIELD

Well: MADDOX ENERGY CORP. 1 Spencer Com

Result: GAS DG

Locn: 2 mi N/Dayton, 1650' FNEWL's Sec 9-18S-26E.

Spud: 4-14-77; Comp: 8-1-77; Elev: 3377' grd; TD: 9003' Miss; PB: 8958'

Casing: 13 3/8" 375'/375 sx, 8 5/8" 1362'/1140 sx, 4 1/2" 9003'/7600 sx

Prod Zone: (Morrow) T/Pay 8702', prod thru perfs 8702-35'

IP CAOP: 779,000 CFCGPD, GOR dry, Grav (gas) .611, STWHP 2773#

Comp Info: DST (Morrow) 8670-9003', op 3 hrs 30 min, GTS 35 min @ 264 MCFGPD, 1/4" ch, rec 770' GCM (Sampler rec 2.203 CFC @ 500#), 1 hr 30 min ISIP 3370#, FP 300-485#, 9 hr FSIP 3667#, HP 4396-4396#, BHT 150 deg; DST (Morrow) 8660-9003', op 6 hrs, GTS 30 min @ 274 MCFGPD, 1/4" ch, rec 512' GCDF, (Sampler rec 2.25 CFC), 1 hr ISIP 3769#, FP 388-539#, FSIP 3684#, HP 4388-4346#, BHT 147 deg; Perf (Morrow) @ 8702', 8704', 8706', 8733', 8734', 8735' w/1 SPI; S/44 BLW/4 hrs 30 min, S/dry; A/350 gals; F/75 MCFGPD, 3/4" ch; A/2000 gals; F/506 MCFGPD, FTP 68#; (Morrow) Four Point Gauges: F/121 MCFGPD, 0.750" orifice, 60 min, TP 2470#; F/186 MCFGPD, 0.750" orifice, 60 min, TP 2260#; F/336 MCFGPD, 0.750" orifice, 60 min, TP 1924#; F/645 MCFGPD, 0.750" orifice, 60 min, TP 1197#; C/Moran Drlg.

Tops: (EL) San And 1230', Tubb 3252', Abo 4370', Cisco-Cany 7658', Strawn 8053',

Atoka 8487', Morrow 8690', Chester 8946'

API No.: 30-015-22121



Petroleum Information

CORPORATION

A Division of A.C. Miller Company

Date: 9-21-77

Card No.: 6 rm

EDDY COUNTY

NEW MEXICO

EAGLE CREEK, E/FIELD

Well: YATES PETROLEUM CORP, 9 Jackson "AT" Com.

Result: OIL DO

Locn: 1/2 mi W/Artesia; 660' FSL, 660' FWL Sec 13-17S-25E

Spud: 1-30-79; Comp: 3-27-79; Elev: 3465' Gtd; TD: 8400' Chester; PB: 8022'

Casing: 13-3/8" 303'/375 sx; 8-5/8" 1206'/1300 sx; 5-1/2" 8400'/475 sx

Prod Zone: (Morrow), T/Pay 7992', Prod thru Perfs 7992-8007'

IPF: 3250 MCFGPD 1/2" ch, CP pkr, TP 520#

Comp Info: ran CNL, FDC, DILL logs; no cores or DSTs; Perf (Morrow) 10/7992-8007', frac w/40,000 gals & 23,000# ad and 8000 gals CO 2; C/Capitan #14

Tops EL: Cisco 6310', L/Canyon 7130', Strawn 7551', Atoka 7851', Morrow Clastics

7988', Chester

API No: 30-015-22799



Petroleum Information

CORPORATION

A Division of A.C. Miller Company

Date: 5-2-79

Card No.: 6 dh

SFO CSC	8-16-75	CP	9-18-75	
WELL CLASS: INT D FM DG				
FORMATION		BATHY	FORMATION	CATUM
13 3/8" at 369' w/250 sx				
8 5/8" at 1262' w/1325 sx				
4 1/2" at 8277' w/545 sx				
ms 8406' (MSSP)		SFO 8243'		

CONTR Ard 1:6 OPR'S ELEV 3450' GL PD 8600' RT

10-4-3 NM

COUNTY EDDY FIELD Wildcat STATE NM
 OPR. COQUINA OIL CORP. AP 30-015-20874
 NO 1 LEASE Superior - Federal SERIAL
 Sec 1, T-18-S, R-25-E MAP
 1980' FNL, 1980' FEL of Sec CO-ORD
 CLASS ELEV 3447 L & S
 SPD 6-26-73 CMP 8-7-73
 CBO
 13 3/8" at 501'
 8 5/8" at 1306' w/600 sx
 4 1/2" at 8648' w/350 sx
 TO 8700' PBD 8648'
 IP (Morrow) Perfs 8430-45' CAOF 4817 MCFGPD. GOR dry; Grav
 (gas) .635; SIWHP 2612#
 CONTR Moranco OPRS ELEV 3437' GL PD 8800' TYPE RT

F.R. 6-11-73
 (Morrow)
 9-8-73 AMEND FIELD: Formerly reported as Atoka, W.
 7-2-73 Drlg 2455'
 7-10-73 Drlg 5463'
 7-16-73 Drlg 7430'
 DST 6868-6916', open 1 hr, GTS in 12 mins @ est
 80 MCFGPD, rec 270' GCM & salt wtr+ 1280' GC salt
 wtr, 1 hr ISIP 2392#, FP 352-625#, 1 hr 30 min
 7-24-73 FSIP 2167#, HP 3229-3229#, BHT 180 deg
 Drlg 8563' 1m & sh
 DST 7885-7919', open 1 hr, rec 10' DM, 1 hr
 ISIP 225#, FP 50-50#, 1 hr FSIP 364#, HP 3853-3789#
 BHT 129 deg

EDDY Wildcat NM Sec 1, T18S, R25E
 COQUINA OIL CORP. 1 Superior - Federal Page #2

7-30-73 TD 8700'; WOCU
 DST 8405-66', open 1 hr, GTS in 5 mins @ 11,000
 MCFGPD decr 10,500 MCFGPD in 5 mins & stab
 @ 9500 MCFGPD in 10 mins, rec 60' distillate
 + 5' mud, 1 hr ISIP 3290#, FP 1102-1287#, 2 hr
 FSIP 3290#, BHT 138 deg, HP 4041-4041#
 8-6-73 TD 8700'; WOCU
 8-13-73 TD 8700'; PBD 8648'; Prep Pot
 Perf 8430-40', 8442-45' w/2 SPF
 CAOF 4820 MCFGPD
 8-20-73 TD 8700'; PBD 8648'; WO Pot
 8-27-73 TD 8700'; PBD 8648'; WO Pot

9-5-73 TD 8700'; PBD 8648'; COMPLETE
 (Morrow) FOUR POINT GAUGES:
 Flwd 1526 MCFGPD, 2.5" Orifice, 2 hrs, TP 2312#
 Flwd 2098 MCFGPD, 2.5" Orifice, 2 hrs, TP 2095#
 Flwd 2713 MCFGPD, 2.5" Orifice, 2 hrs, TP 1861#
 Flwd 3259 MCFGPD, 2.5" Orifice, 2 hrs, TP 1592#
 LOG TOPS: San Andres 800', Glorieta 2128', Tubb
 3540', Abo 4114', Wolfcamp 5545', Pennsylvanian
 6625', Morrow Sand 8345'
 Morrow Discovery
 9-8-73 COMPLETION REPORTED

CLASS *GL* ELEV. *141*

IP (Morrow) Perfs 8434-45' CAOP 5629 MCFGPD. GOR NA; Grav
(Gas) .626; (Cond) 58; SIWH# 2595#

F.R. 12-3-73
(Morrow)
12-13-73 TD 1256'; WOC
12-19-73 Drlg 3140' lm
1-3-74 TD 8622'; SD WOO
DST 8395-8573', open 45 mins, GTS in 2 mins @
4200 MCFGPD, rec 10' Cond + 355' GCM, 1 hr
ISIP 3663#, FP NA, 2 hr FSIP 3627#, HP 4111-
4100#, BHT 135 deg
1-10-74 TD 8622'; SD WOO
1-16-74 TD 8677'; PBD 8555'; Prep Comp
1-23-74 TD 8677'; PBD 8555'; Prep Pot
Perf 8434-8445' w/16 shots (overall)
Flwd 4000 MCFGPD + 5 B Cond thru 24/64" chk,
FTP 2025#

1-30-74 TD 8677'; PBD 8555'; WO Pot
2-1-74 TD 8677'; PBD 8555'; WO Pipeline Conn
Acid (8434-8445') 3000 gals (7½ MSA)
CAOF 5629 MCFGPD
4-8-74 TD 8677'; PBD 8555'; COMPLETE
(Morrow) FOUR POINT GAUGES:
Flwd 2503 MCFGPD, 2.25" orifice, 90 mins, TP
980#
Flwd 2272 MCFGPD, 2.25" orifice, 90 mins, TP
1499#
Flwd 2053 MCFGPD, 2.25" orifice, 90 mins, TP
1602#
Flwd 1831 MCFGPD, 2.25" orifice, 90 mins, TP
1210#

4-8-74 Continued
LOG TOPS: San Andres 800', Glorieta 2136',
Tubb 3550', Abo 4164', Wolfcamp 5164',
Pennsylvanian 6620', Morrow 8596'

4-13-74 COMPLETION REPORTED

Glorita Mkr. (41234) 2214
Top looks good on Log.

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Ardr 3434' GL 8950' RT

9-3-4 NM

9-3-4 NM

CONTINUED **Ard** **OPN'S ELEV** **3445' GL, 3462' KB TO 8600' RT**

EDDY Undesignated NM
YATES PETROLEUM CORP. 2 Arco "EC" State Page #2
Sec 36, T17S, R25E

3-2-6 NM
IC 30-015-70072-75

COUNTY **EDDY** FIELD **Atoka, W.** STATE **NM**
 OPR **SUPERIOR OIL CO.** / PI **30-015-20936**
 NO **1** LEASE **Johnson Com.** SERIAL
Sec 2, T-18-S, R-25-E MAP
2080' FSL, 660' FEL of Sec CO-ORD
 CLASS ELEV L & S
 SPD 9-6-73 CMP 11-1-73
 CBO
 13 3/8" at 500' w/500 sx
 8 5/8" at 1300' w/1212 sx
 5 1/2" at 8650' w/565 sx
 TO 8650' PBO
 IP (Morrow) Perfs 8380-8423' CAOF 3509 MCFGPD. GOR NA; Grav
 (Gas) .623; (Cond) 54.4; SIWHP 2374#
 CONTR **Delta** OPRS ELEV **3468' GL** PD **8800'** TYPE **RT**
 3443 KQ

F.R. 9-10-73
 (Morrow)
 9-11-73 Drlg 1144' lm
 9-18-73 Drlg 3004' lm & sd
 9-25-73 Drlg 5470' lm & sd
 10-2-73 Drlg 7512' lm & sh
 10-9-73 "Tight"
 10-31-73 "Tight"
 11-28-73 TD 8650'; SI Wo Pipeline Conn
 Perf 8380-8423' w/33 shots (overall)
 Flwd @ 4950 MCFGPD, decr to 4550 MCFGPD thru
 3/4" chk, FTP 400#, decr to 300#
 12-12-73 TD 8650'; SI WO Pipeline Conn

EDDY Atoka, W. NM
 SUPERIOR OIL CO. 1 Johnson Com. Page #2
 Sec 2, T18S, R25E

3-11-74 TD 8650'; COMPLETE
 (Morrow) FOUR POINT GAUGES:
 Flwd 1328 MCFGPD, 2.125" Orifice, 1 hr, TP 2194#
 Flwd 2018 MCFGPD, 2.125" Orifice, 1 hr, TP 1897#
 Flwd 2581 MCFGPD, 2.125" Orifice, 1 hr, TP 1534#
 Flwd 3143 MCFGPD, 2.125" Orifice, 1 hr, TP 972#
 LOG TOPS: Glorieta 2100', Tubb 3522', Abo
 4084', Wolfcamp 5510', Pennsylvanian 6600',
 Atoka 8020', Morrow 8291', Mississippian 8550'
 3-16-74 COMPLETION REPORTED

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W	EDDY	WILDCAT	STATE	NM
COUNTY	YATES PETROLEUM CORP.		MH	21237
1	Powell "DG" Com.		8-2-3	NM
Sec 35, T-17-S, R-25-E				
660' FSL, 1980' FEL of Sec				
3 mi S & 2 mi W/Artesia				
Re 6-13-75	WSX	WSD		
13 3/8" at 391' w/250 sx	FORMATION	DATUM	FORMATION	DATUM
18 5/8" at 1238' w/610 sx	SA 2727	778		
14 1/2" at 8561' w/250 sx				
	TO 8700' (MSSP)	PO 8560'		
IP (Wolfcamp) Perfs 6539-6683' F 2062 MCFGPD + 34 BOPD. Pot based on 24 hr test thru 1/2" chk. GOR 60,240, Grav (Cond) 50.6, TP 330#				
(Morrow) Perfs 8365-86' No Change				
	OPB ELEV 3490' GL	PO	6683'	WO

8-4-75 F.R.C. 8-9-75 OWWO
(Wolfcamp)
(Orig. comp 8-22-74 thru (Morrow) Perfs 8365-86',
OTD 8700', OFB 8560')
TD 8700'; PBD 8560'; Complete
Perf (Wolfcamp) 6539-44', 6574-82', 6611-22',
6675-83' w/2 SPF
Acid (6539-6683') 21,000 gals
Wolfcamp Discovery, No Suggested Field Name
Morrow Completed in Atoka, W. Field
8-9-75 COMPLETION ISSUED

8-2-3 NM

COUNTY	EDDY	FIELD	Atoka, W.	STATE	NM
OPN	YATES PET. CORP.			API	30-015-21237
NO	1	LEAD	Powell "DG" Com.	SERIAL	
	Sec 35, T-17-S, R-25-E			MAP	
	660' FSL, 1980' FEL of Sec			CO-ORD	
CLASS D-DG					
BPO 6-14-74 CMP 8-22-74		FORMATION		ELEV	
CSO		DATUM		L & A	
13 3/8" at 391' w/250 sx					
8 5/8" at 1238' w/610 sx					
4 1/2" at 8561' w/250 sx					
		TD 8700' (MSSP)		PBD 8560'	
TEMPORARILY COMPLETED SHUT IN GAS WELL					
CONTR	Ard	OPRS ELEV	3490'	GL	
		PD	8700'	TYPE	RT

F.R. 6-10-74
(Morrow)
6-19-74 TD 1238'; WOC
6-26-74 Dxlg 3638'
7-10-74 Drlg 7858'
DST (Cisco) 6445-6653', open 2 hrs, GTS in
23 mins, rec 910' GCM, 1 hr 15 min ISIP
1043#, FP 295-375#, 3 hr FSIP 1734#, HP
3029-2976#
7-18-74 TD 8700'; Prep Run Csg
DST (Morrow) 8261-8450', open 2 hrs, GTS
in 16 mins, rec 925' GCM, 1 hr 30 min ISIP
3032#, FP 342-479#, 3 hr FSIP 3206#, HP
3883-3866#

EDDY
YATES PET. CORP.

Atoka, W.
1 Powell "DG" Com.
Sec 35, T17S, R25E

NM
Page #2

7-24-74 TD 8700'; PBD 8560'; WOC
7-31-74 TD 8700'; PBD 8560'; Prep Comp
8-8-74 TD 8700'; PBD 8560'; WOCU
8-26-74 TD 8700'; PBD 8560'; "Tight"
9-16-74 TD 8700'; PBD 8560'; Temp Comp
Perf 8365-86' w/2 SPF
Acid (8365-86') 1000 gals
Frac (8365-86') 15,000 gals wtr + 17,000# sd
Flwd 1010 MCFGPD + 7 BO in 24 hrs thru 3/4"
chk, GOR 143,400; Grav 56; TP 35# (8365-86')
10-7-74 TD 8700'; PBD 8560'; TEMPORARILY COMPLETED
This Well Drilled "Tight"
LOG TOPS: San Andres 778', Glorieta 2160',
Tubb 3510', Abo 4133', Wolfcamp Lime 5304',

10-7-74 Continued
Cisco 6435', Canyon 7341', Strawn 7781',
Atoka 8115', Morrow 8304', Mississippian
Lime 8599'
10-12-74 COMPLETION REPORTED

IP (Morrow) Perfs 8338-65' CAOF 46,106' MCFGPD, GOR 154,130, Grav
(Gas) .628, (Cond) 50.7, SIWHP 2481#

CONTR Ard OPN'S ELEV 3453' GL. NO 8950' RT

F.R. 2-3-75
(Morrow)
8-23-75 AMEND FIELD NAME: Formerly reported as Atoka
3-26-75 Drlg 1915' 1m
4-1-75 Drlg 4270'
4-10-75 Drlg 7240'
DST (Cisco) 6550-6810', open 1 hr 30 mins, rec
515' DM, 1 hr ISIP 1782#, FP 521-480#, 2 hr FSIP
1119#, HP 3141-3128#
4-17-75 Drlg 8542' sh; "Tight"
DST (Strawn) 7958-8125', open 1 hr 30 mins, rec
510' DF, 1 hr 30 min ISIP 455#, FP 280-315#, 2 hr
30 min FSIP 524#, HP 3678-3678#
DST (Morrow) 8240-8382', open 1 hr 45 mins, GTS
4 mins, MFS 10 mins, Flwd @ 9500 MCFGPD thru 1/2"
chk, SFP 1500#, rec 15' Cond (Grav 50.7) + 50'

8-4-2 NM

EDDY	Atoka, W.	NM
YATES PETROLEUM CORP.	1 Arco "EC" State	Page 2
	Sec 36, T17S, R2SE	

4-17-75 Continued
filt wtr, 1 hr 30 min ISIP 3167#, FP 2430-
2780#, 2 hr 15 min FSIP 3167#, HP 3889-3889#,
BHT 137 deg

4-24-75 TD 8678'; PBD 8610'; "Tight"

5-5-75 TD 8678'; PBD 8610'; Tstg "Tight"
Perf (Morrow) 8338-65' w/4 SPF

5-14-75 TD 8678'; PBD 8610'; WO Pot

5-27-75 TD 8678'; PBD 8610'; Complete (Hold for info).
Flwd 15,000 MCFGPD + 9 B Cond in 1 hr 45 mins,
3/4" chk (8338-65')

8-18-75 TD 8678'; PBD 8610'; Complete
(Morrow) FOUR POINT GAUGES:
Flwd 18,250 MCFGPD, 2.750" orifice, 60 mins, TP 1003#

8-4-2 NM

8-18-75 Continued
Flwd 13,171 MCFGPD, 2.750" orifice, 60 mins, TP 1776#
Flwd 8495 MCFGPD, 2.750" orifice, 60 mins, TP 2106#
Flwd 6354 MCFGPD, 2.750" orifice, 60 mins, TP 2215#
LOG TOPS: San Andres 810', Glorieta 2209',
Abo 4171', Wolfcamp 5338', Cisco 6475', Canyon
7331', Atoka 8118', Morrow Clastic 8299', Chester
8510', Mississippian 8647'
8-23-75 COMPLETION ISSUED

EDDY Wildcat NM
YATES PETROLEUM CORP. 30-015-21606
1 LEASE Patterson "EL" 12-3-4 NM
Sec 31, T 17-S, R-26-E
880' FSL, 660' FWL of Sec
3 mi S/Artesia
8-15-75 10-8-75 WELL CLASS: D PH WPD
FORMATION DATUM FORMATION DATUM
13 3/8" at 360' w/250 sx
8 5/8" at 1269' w/600 sx
4 1/2" at 8590' w/375 sx
8640' (CSTR) 8080'

FP (Strawn) Perfs 8002-30' F 1320 MCF/DPD. Pot based on 3 hr
test thru 1/2" chk. GOR Dry; TP 215#

Ard #4 OP'S ELEV 3442' GL PD 8625' RT

F.R. 8-18-75
(Morrow)
12-20-75 AMEND FIELD NAME: Formerly reported as
Undesignated
8-18-75 TD 1270'; WOC
8-26-75 Drlg 5300'
9-3-75 Drlg 7946'
9-22-75 "Tight"
10-21-75 TD 8640'; PBD 8590'; "Tight"
DST (Morrow) 8348-8478', open 1 hr 30 mins,
rec 365' DM, 1 hr ISIP 451#, FP 132-132#, 4 hr
FSIP 1014#, HP 3944-3905#, BHT 139 deg
11-17-75 TD 8640'; PBD 8080'; Complete (Hold for Info)
Perf (Strawn) 8092-96' w/17 shots
Acid (8092-96') 1000 gals

12-3-4 NM

EDDY Wildcat NM
YATES PETROLEUM CORP. 1 Patterson "EL" Page #2
Sec 31, T17S, R26E

11-17-75 Continued
Swbd SW w/small show gas (8092-96')
BP @ 8080'
Perf (Strawn) 8002-08', 8024-30' w// SPF
Acid (8002-30') 16,000 gals
12-15-75 TD 8640'; PBD 8080'; Complete
Strawn Discovery, No Suggested Field Name
LOG TOPS: San Andres 826', Glorieta 2220',
Abo 4206', Wolfcamp Line 5381', Strawn
7833', Atoka 8188', Morrow Clastics 8383',
Chester 8586'
12-20-75 COMPLETION ISSUED

12-3-4 NM
IC 30 015 70017 75

7

RESERVOIR COMPARISONS - OFFSET WELLS - APPLICATION FOR SECTION 102 NEW RESERVOIR CATEGORY

SUBJECT WELL Goat Roper "LP" Com No. 1

OPERATOR Yates Petroleum Corporation

LOCATION Section 30-17S-26E

SPUD DATE 2-8-80 COMPLETION DATE 3-9-80

FORMATION Morrow

COMPLETION DEPTH 8365-8373'

DATE FIRST SALES None to date

DISCUSSION OF SUBJECT WELL:

The Yates Petroleum Corporation's Goat Roper "LP" Com No. 1 was completed 3-9-80 in the Morrow formation with perforations at 8365-8373'. The Morrow reservoir perforated in the subject well was at virgin pressure when the well was completed. As the attached discussion of all relevant wells will show, the subject reservoir is a new reservoir under the N.G.P.A. definition.

ORIGINAL MORROW PRESSURES ON THE SUBJECT WELL:

The Morrow formation was initially perforated at 8365-8373'. A 120-hour SITP of 2763 and a SIBHP of 3532 was recorded on 3-15-80 indicating virgin pressure in the Morrow perforations. A copy of the BHP Survey is attached. There are nearby wells surrounding the Goat Roper "LP" Com No. 1 that have not been discussed in this report. They were omitted from this discussion due to post 4-20-77 spud dates or they did not penetrate the Morrow sands.

NM OCD CASE #6917

Examiner Hearing 6/25/80 - Application of Yates Petroleum Corporation

EXHIBIT #6

EXHIBIT #6

RESERVOIR COMPARISONS - OFFSET WELLS - APPLICATION FOR SEC. 102 NEW RESERVOIR CATEGORY

PAGE 7 OF

SUBJECT WELL Goat Roper "LP" Com No. 1 OPERATOR Yates Petroleum Corp. LOCATION Section 20-17S-26E, Eddy County, NM SPUD DATE 2-8-80
COMPLETION DATE 3-9-80 COMPLETION DEPTH 8365-8373' FORMATION Morrow DATE FIRST SALES None to date

OPERATOR WELL NAME WELL LOCATION SPUD DATE (COMPL. DATE)	CROSS SECTION SEGMENT	COMPLETION DEPTH	COMPLETION ZONE	COMMENTS
1. Maddox Energy Company Martin Com "L" No. 1 Section 29-17S-26E 660' FWL, 1980' FSL 2-10-77 (5-23-77)	I	7919-24'	Strawn	The Martin Com "L" No. 1 has no Morrow sands capable of commercial production that correlate with the subject well's completed Morrow reservoir. The Martin Com "L" No. 1 is located .4 miles from the subject well.
2. Yates Petroleum Corporation Armstrong "CT" No. 1 Section 5-18S-26E 1980' FSL, 660' FWL 6-3-73 (10-8-73)	II	8122-26' 8050-56' 8381-87' 8455-60' 8499-8503' <u>8566-8567'</u> 8616-8619'	Strawn (6-22-78) Atoka-Morrow (10-8-73)	The Yates Armstrong "CT" No. 1 has a small (one foot) perforated sand body (8566-67') which correlates with the subject well's completed Morrow reservoir. The Armstrong "CT" No. 1 was completed originally in the Atoka-Morrow interval as shown. The well was completed for 1100 MCFD @ 195# FTP. On 8-16-77, a SITP of 1051 psig was reported (copy of Annual Survey attached). At the end of May, 1978, the Atoka-Morrow interval had produced 215837 MCF of gas and was producing at a near depleted rate of 30 to 50 MCFD. In March 1978 approval was requested to recomplete the well in the Strawn formation and commingle the Strawn and Morrow (copy of letter attached). The Strawn was perforated 6-22-78. Commingling was approved in October 1978. The near depletion of the Atoka-Morrow interval prior to completion in the Strawn, compared to the virgin pressures of the subject well, indicate no communication has occurred between the two wells. A SITP of 1563 psig on 8-3-79 (Annual Survey report attached) indicates near depletion of both the Strawn and Morrow reservoirs. The well is located 1.9 miles from the subject well.
3. Yates Petroleum Corporation Patterson "EL" No. 2 Section 31-17S-26E 660' FSL, 2310' FWL 12-28-78 (2-15-79)	III	8467-8497'	Morrow	The Patterson "EL" No. 2 has a perforated sand body that correlates with the subject well's completed Morrow reservoir. However, on 6-17-80, after a 176-hour shut-in the BHP was 1778 (BHP Survey attached) which proves the well not to be in communication with the subject well. The Patterson "EL" No. 2 was spudded after 4-20-77 and is 1.2 miles from the subject well.

RESERVOIR COMPARISONS - OFFSET WELLS - APPLICATION FOR SEC. 102 NEW RESERVOIR CATEGORY

PAGE 1 OF 1

SUBJECT WELL Goat Roper "LP" Com No. 1 OPERATOR Yates Petroleum Corp. LOCATION Section 30-17S-26E, Eddy County, NM SPUD DATE 2-8-80
 COMPLETION DATE 3-9-80 COMPLETION DEPTH 8365-8373' FORMATION Morrow DATE FIRST SALES None to date

OPERATOR WELL NAME WELL LOCATION SPUD DATE (COMPL. DATE)	CROSS SECTION SEGMENT	COMPLETION DEPTH	COMPLETION ZONE	COMMENTS
4. David Fasken Yates "6" Federal No. 1 Section 6-18S-26E 1980' FSL, 660' FWL 12-19-73 (3-21-74)	III	8231-41'	Atoka	The Yates "6" Federal No. 1 has a sand body which seems to be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, this interval was DST'd in DST #3 as shown on the cross section and found to be non-commercial due to the fact that it flowed only 47 mcfpd (18 psi on 4" choke). The zone was never perforated and the well was plugged back to 8420' and was completed in the Atoka. Also, the sand body in the Yates "6" Federal No. 1 which seems to be in the same interval as the subject well correlates with the Patterson "EL" No. 2 and is separated from the subject well by the Patterson "EL" No. 2, which is discussed herein, and was shown not to be in connection with the subject well. Therefore, the Yates "6" Federal No. 1 sand body in question is not connected to the subject well's completed Morrow reservoir. The Yates "6" Federal No. 1 is located 1.9 miles from the subject well.
5. Yates Petroleum Corporation. Patterson "EL" No. 1 Section 31-17S-26E 880' FSL, 660' FWL 8-15-75 (10-8-75)	IV	8002-30'	Strawn	The Patterson "EL" No. 1 has no sands that correlate with the subject well's completed Morrow reservoir and therefore cannot be in communication with the subject well. The Patterson "EL" No. 1 is located 1.2 miles from the subject well.
6. Coquina Superior Federal No. 1 Section 1-18S-25E 1980' FSL, 1980' FWL 6-26-73 (8-7-73)	IV	8430-45'	Morrow	The Superior Federal No. 1 has two small sand units which seem to be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, the Superior Federal No. 1 is located 1.9 miles from the subject well and is separated from the subject well by the Patterson "EL" No. 1, Patterson "EL" No. 2, Haldeman "EN" No. 1 and the Arco "EC" State No. 2. All these wells are discussed within this report and are proven to have no communication with the subject well, therefore proving that the Superior Federal No. 1 cannot be in communication with the subject well.

RESERVOIR COMPARISONS - OFFSET WELLS - APPLICATION FOR SEC. 102 NEW RESERVOIR CATEGORY

PAGE 3 OF 6

SUBJECT WELL Goat Roper "LP" Com No. 1 OPERATOR Yates Petroleum Corp. LOCATION Section 30-17S-26E, Eddy County, NM SPUD DATE 2-8-80
COMPLETION DATE 3-9-80 COMPLETION DEPTH 8365-8373' FORMATION Morrow DATE FIRST SALES None to date

OPERATOR WELL NAME WELL LOCATION SPUD DATE (COMPL. DATE)	CROSS SECTION SEGMENT	COMPLETION DEPTH	COMPLETION ZONE	COMMENTS
7. Coquina Superior Federal No. 2 Section 1-18S-25E 1980' FSL, 1980' FWL 12-6-73 (3-20-74)	IV	8434-45'	Morrow	The Superior Federal No. 2 has a perforated sand body which seems to be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, the Superior Federal No. 2 is located 2.3 miles from the subject well and is separated from the subject well by five wells, the Patterson "EL" No. 1, Patterson "EL" No. 2, Haldeman "EN" No. 1, Arco "EC" St. No. 2, and the Superior Fed. No. 1, all of which have been proven in this report not to be in communication with the subject well.
8. Yates Petroleum Corporation Haldeman "EN" No. 1 Section 31-17S-26E 1980' FNL, 660' FWL 7-12-75 (8-24-75)	V	838'-8412'	Morrow	The Haldeman "EN" No. 1 has a perforated sand body which seems to be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, on 5-9-79, after producing 1,812,219 mcf, the BHP of the Haldeman "EN" No. 1 was 1569 (BHP Survey attached) which is in contrast with the subject well's virgin BHP of 3532 proving no communication with the subject well. The Haldeman "EN" No. 1 is .8 miles from the subject well.
9. Yates Petroleum Corporation Arco "EC" State No. 2 Section 36-17S-25E 1980' FSL, 1100' FEL 10-16-75 (12-2-75)	V	7988-7986'	Strawn	The Arco "EC" State No. 2 has no sands capable of commercial production that correlate with the subject well's completed reservoir. The Arco "EC" State No. 2 is 1.2 miles from the subject well.
10. Superior Johnson Com No. 1 Section 2-18S-25E 2080' FSL, 660' FEL 9-6-73 (11-1-73)	V	8380-8423'	Morrow	The Johnson Com No. 1 has a perforated sand body which seems to be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, the Johnson Com No. 1 is 2.7 miles from the subject well and is separated from the subject well by the Arco "EC" State No. 2 and the Haldeman "EN" No. 1, both of which have been discussed herein and proven to have no communication with the subject well.

RESERVOIR COMPARISONS - OFFSET WELLS - APPLICATION FOR SEC. 102 NEW RESERVOIR CATEGORY

PAGE 1 OF 1

SUBJECT WELL Goat Roper "LP" Com No. 1 OPERATOR Yates Petroleum Corp. LOCATION Section 30-17S-26E, Eddy County, NM SPUD DATE 2-8-80
COMPLETION DATE 3-9-80 COMPLETION DEPTH 8365-8373' FORMATION Morrow DATE FIRST SALES None to date

OPERATOR WELL NAME WELL LOCATION SPUD DATE (COMPL. DATE)	CROSS SECTION SEGMENT	COMPLETION DEPTH	COMPLETION ZONE	COMMENTS
11. Yates Petroleum Corporation Powell "DG" Com No. 1 Section 35-17S-25E 660' FSL, 1980' FEL 6-14-74 Re: (6-13-75)	VI	6539-6683'	Wolfcamp	The Yates Powell "DG" Com No. 1 has no sands capable of commercial production that correlate with the subject well's completed Morrow reservoir. The Powell "DG" Com No. 1 is located 2.4 miles from the subject well.
12. Yates Petroleum Corporation Arco "EC" State No. 1 Section 36-17S-25E 660' FML, 2310' FEL 3-20-75 (5-29-75)	VII	8338-65' 7952-78' 6534-6692'	Morrow (5-29-75) Strawn (3-28-79) Permo Penn (7-11-79)	The Arco "EC" No. 1 has a perforated sand body which correlates with the subject well's completed Morrow reservoir. However, on 11-22-78, after producing 4,627,686 mcf, the BHP of 310 (BHP Survey attached), in contrast to the subject well's virgin BHP pressure of 3532, therefore proving no communication with the subject well. The Morrow was abandoned 3-79. The Arco "EC" No. 1 is located 1.2 miles from the subject well.
13. Yates Petroleum Corporation Caskey "EV" No. 1 Section 30-17S-26E 660' FSL, 1400' FML 11-19-75 (1-14-76)	VIII	8015-8166'	Atoka	The Caskey "EV" No. 1 has no sands capable of commercial production that correlate with the subject well's completed Morrow reservoir. The Caskey "EV" No. 1 is .6 miles from the subject well.
14. Yates Petroleum Corporation Jackson "EM" Com No. 1 Section 25-17S-25E 660' FSL, 1980' FEL 6-15-75 (7-19-75)	VIII	8282-8370'	Morrow	The Jackson "EM" Com No. 1 has a small sand body of very poor quality that may be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, the Jackson "EM" Com No. 1 is separated from the subject well by the Caskey "EV" No. 1 which is discussed herein and found to have no communication between the Jackson "EM" Com No. 1 and the subject well. The Jackson "EM" Com No. 1 is located 1.2 miles from the subject well.
15. Western Flint No. 2 Section 25-17S-25E 660' FSL, 2310' FML 6-13-75 (8-14-75)	VIII	8250-60'	Morrow	The Flint No. 2 has a perforated sand body which may correlate with the subject well's completed Morrow reservoir. However, the Flint No. 2 on 11-1-77 had a SITP of 2017.2 psia compared to 2763 SITP of the subject well. The Flint No. 2 is also separated from the subject well by the Jackson "EM" No. 1 and the Caskey "EV" No. 1, both of which have been proven to have no communication with the subject well. The Flint No. 2 is located 1.4 miles from the subject well.

RESERVOIR COMPARISONS - OFFSET WELLS - APPLICATION FOR SEC. 102 NEW RESERVOIR CATEGORY

PAGE 01

SUBJECT WELL Goat Roper "LP" Com No. 1 OPERATOR Yates Petroleum Corp. LOCATION Section 30-17S-26E, Eddy County, NM SPUD DATE 2-8-80
 COMPLETION DATE 3-9-80 COMPLETION DEPTH 8365-8373' FORMATION Morrow DATE FIRST SALES None to date

OPERATOR WELL NAME WELL LOCATION SPUD DATE (COMPL. DATE)	CROSS SECTION SEGMENT	COMPLETION DEPTH	COMPLETION ZONE	COMMENTS
16. Yates Petroleum Corporation Manseau "EK" Com No. 1 Section 35-17S-25E 660' FNL, 1980' FEL 5-21-75 (6-23-75)	VIII	8003-19'	Strawn	The Manseau "EK" Com No. 1 has no sands capable of commercial production that correlate with the subject well's completed Morrow reservoir. The Manseau "EK" Com No. 1 is located 2.4 miles from the subject well.
17. Western Flint No. 1 Section 25-17S-25E 1980' FSL, 660' FWL 2-6-74 (4-18-74)	IX	6480-6534'	Circo	The Flint No. 1 has no sands capable of commercial production that correlate with the subject well's completed Morrow reservoir. The Flint No. 1 is located 1.7 miles from the subject well.
18. Yates Petroleum Corporation Gossett "EU" Com No. 1 Section 26-17S-25E 1650' FSL, 1980' FWL 12-1-75 (12-15-75)	IX	6624-44'	Wolfcamp	The Gossett "EU" Com No. 1 has no sands capable of commercial production that correlate with the subject well's completed Morrow reservoir. The Gossett "EU" Com No. 1 is located 2.4 miles from the subject well.
19. Yates Petroleum Corporation Jackson "GM" Com No. 1 Section 24-17S-25E 660' FSL, 1650' FWL 8-27-76 (11-3-76)	X	8120-8278'	Morrow	The Jackson "GM" No. 1 has a perforated sand body that correlates with the subject well's completed Morrow reservoir. However, on 4-14-78, after producing 234,727 mcf, the BHP was 2505 (BHP Survey attached), which is in contrast to the subject well's virgin BHP of 3532, therefore, the Jackson "GM" No. 1 cannot be in communication with the subject well. The Jackson "GM" No. 1 is located 1.7 miles from the subject well. Also, the Jackson "GM" No. 1 producing reservoir is an approved Section 102 ("New" Reservoir).
20. Yates Petroleum Corporation City of Artesia "EQ" Com No. 1 Section 24-17S-25E 1650' FSL, 1980' FEL 8-16-75 (9-18-75) Re: 11-15-75 (11-30-75)	XI	6530-6600'	Wolfcamp	The City of Artesia "EQ" Com No. 1 has no sand capable of commercial production that correlates with the subject well's completed Morrow reservoir. The City of Artesia "EQ" Com No. 1 is located 1.7 miles from the subject well.

RESERVOIR COMPARISONS - OFFSET WELLS - APPLICATION FOR SEC. 102 NEW RESERVOIR CATEGORY

PAGE

OF

SUBJECT WELL Goat Roper "LP" Com No. 1 OPERATOR Yates Petroleum Corp. LOCATION Section 30-17S-26E, Eddy County, NM SPUD DATE 2-8-80
COMPLETION DATE 3-9-80 COMPLETION DEPTH 8365-8373' FORMATION Morrow DATE FIRST SALES None to date

OPERATOR WELL NAME WELL LOCATION SPUD DATE (COMPL. DATE)	CROSS SECTION SEGMENT	COMPLETION DEPTH	COMPLETION ZONE	COMMENTS
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NOTES:

"Commercial" is defined as under the NGPA FERC Regulation's definition of "Production in Commercial Quantities".

Drilled and abandoned (D&A) wells are automatically excluded from new reservoir consideration since no completion attempt was made and natural gas could not have been produced in commercial quantities prior to April 20, 1977.

SOURCES OF DATA:

- Pressure bombs run on wells. Records kept in operator's well files.
- Shut-in tubing pressure data from operator's records and from Annual Report of New Mexico Oil and Gas Engineering Committee Yearbook.
- Monthly and cumulative production data from New Mexico Oil & Gas Engineering Committee Annual Reports.
- Producing rates and flowing tubing and line pressures from operator's daily reports submitted by operator's pumpers on file in operator's offices.
- Completion cards.

All wells located in Eddy County, New Mexico.



BENNETT WIRE LINE SERVICE

P. O. BOX 787
ARTESIA, NEW MEXICO 88210
Phone 746-3281

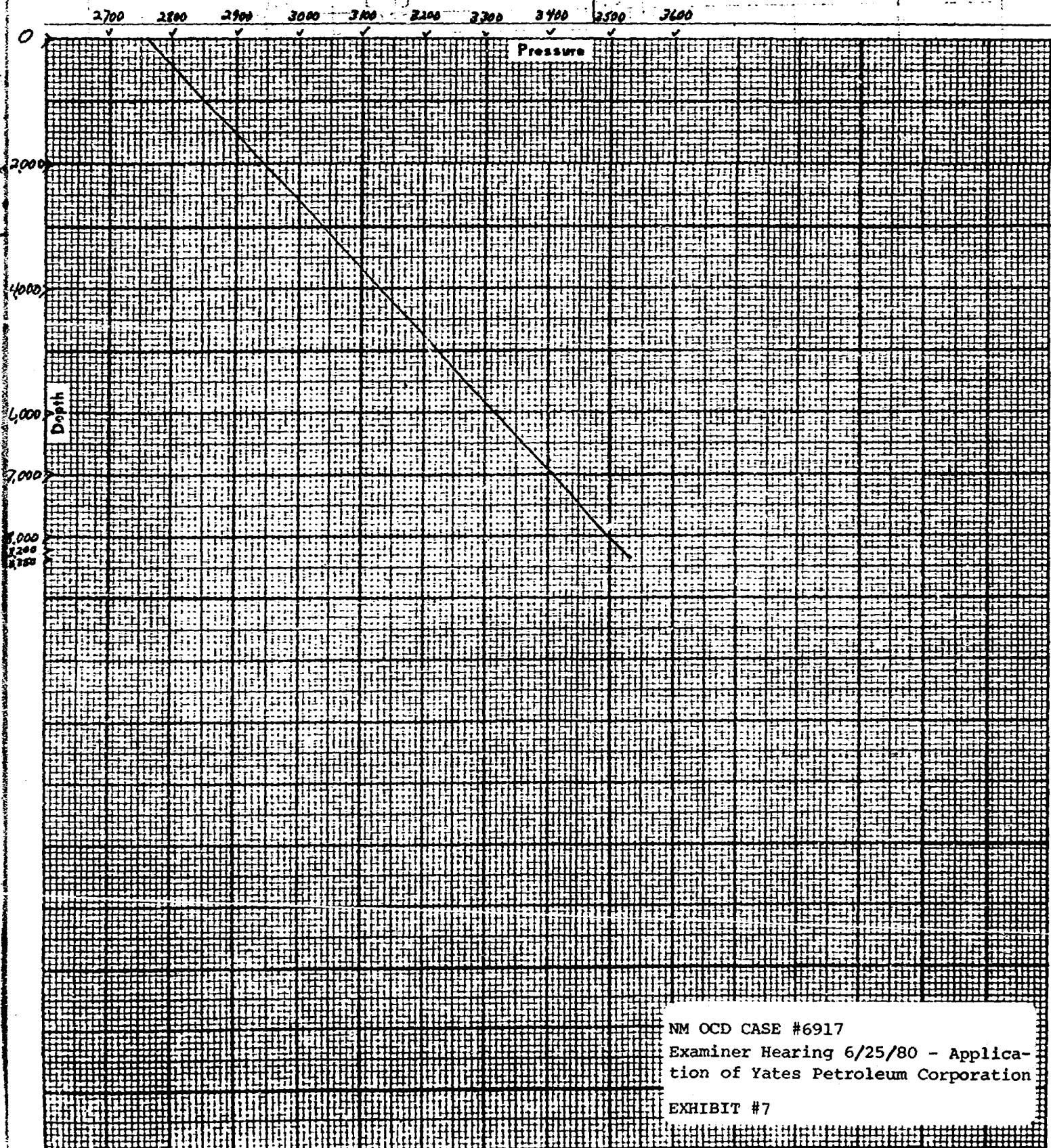


EXHIBIT 1

BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR YATES PETROLEUM CORP.
LEASE GOAT ROPER "LP"
WELL NO. # 1
FIELD ATOKA-MORROW
DATE 3-15-80 TIME 0245
STATUS SHUT IN TEST DEPTH 8,350
TIME S.I. 1035 LAST TEST DATE 3-10-80
TUB. PRES. 2,763 BHP LAST TEST 3,502
ELEV. 146 FLUID TOP 0-7,000 Lb. Range
DATUM 146 WATER TOP 0-7,000 Lb. Range
TEMP 146 RUN BY D. SPENCER
CLOCK NO. RPG3#43798 GAUGE NO. 0-7,000 Lb. Range
ELEMENT NO. RPG3#43798

DEPTH	PRESSURE	GRADIENT
0	2,763	
2,000	2,939	8.8
4,000	3,120	9.0
6,000	3,319	9.9
7,000	3,408	8.9
8,000	3,502	9.4
8,200	3,519	8.5
8,350	3,532	8.8





207 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 746-3558

S. P. YATES
PRESIDENT
MARTIN YATES, III
VICE PRESIDENT
JOHN A. YATES
VICE PRESIDENT
B. W. HARPER
SEC. TREAS.

March 6, 1978

Mr. Joe D. Ramey, Secretary-Director
New Mexico Oil Conservation Commission
Drawer 2088
Santa Fe, New Mexico 87501

Re: Downhole Commingling,
Armstrong CT

Dear Mr. Ramey:

Yates Petroleum Corporation, Artesia, New Mexico, Operator of the Armstrong CT Com. #1, Unit L Section 5-T18S-R26E, a proposed multiple completion in the East Eagle Creek - Atoka Morrow and the Eagle Creek Strawn, seeks administrative approval for downhole commingling. Precedent for the multiple completion and downhole commingling of the Eagle Creek Strawn and East Eagle Creek Atoka-Morrow was established in our Caskey EV #1, N-30-17S-26E, pursuant to NMOCC Order R5460.

Currently the Atoka-Morrow completion is flowing 30-50 mcfpd, varying with line pressure. The 24 hour shut in tubing pressure on 8/16/77 was 1051 psig, down 191 psi from the 7/20/76 SITP of 1242 psig. The present bottomhole pressure is estimated at 1315 psig.

Decline curves are attached showing the production history of the Atoka-Morrow completion.

The calculations for the allocation of future (commingled) production are based on the porosity feet and saturation determinations from the Electric logs, corrected for the state of depletion, data attached:

East Eagle Creek Atoka-Morrow -	79%
Eagle Creek Strawn -	21%

D. Ramey
March 6, 1978

There is no water production and the hydrocarbon fluids are compatible. However, a standing valve will be placed in the Atoka packer at its present setting @3273, the tubing will be removed from the on-off tool, the Strawn perforated at 8150-56 and 8123-25, tubing and packer run to about 8100' and the Strawn acidized for new production.

Commingling the several zones will conserve a natural resource and prevent waste by allowing a greater recovery at the same operating costs and without extra facilities or extra fuel consumption.

Yours truly,

YATES PETROLEUM CORPORATION



Eddie Mahfood
Engineer

EM/ob
Enclosure

177

PAGE 000									
PRINTED SHEET-IN PRESSURE CONTROL									
SUPPLY	WELL	S.I.D.	DATE PRESS.	TIME S.I.	S.I. PRESS.	S.I. PRESS.	PREVIOUS TEST	PIPE	
(C.V.)	(WELL)		DAY (1979)	HRS./MIN.	PSIG	PSIG	DATE (1979)	LINE	
WILLIAMS OIL CO.									
Drillard	1 L	30-22-38	8-20	22/00	422	435.2	494.2	8-25	EPC
"	1 R	"	8-19	68/00	443	496.2	563.2	8-4	MM
"	2 L	"	8-20	12/00	322	335.2	491.2	8-25	EPC
Drillard Estate	4 R	25-22-37	8-21	"	719	832.2	897.2	8-18	"
"	5 C	"	"	"	116	729.2	430.2	"	EPC
Gulf Side	1 P	"	8-14	700/00	510	873.2	831.2	8-4	MM
WILLIAMS OIL COMPANY, INC.									
Willi Case	8 L	22-21-37	9-27	24/00	200	213.2	430.2	8-22	"
Elliott A-15	2 J	15-22-37	"	"	150	163.2	153	"	"
Elliott B-9	3 D	9-22-37	"	"	160	173.2	203	8-23	"
"	4 C	"	8-10	71/00	305	318.2	344.2	8-10	MM
Elliott B-12	2 D	12-22-37	9-27	24/00	600	613.2	683	8-22	"
Elliott B-15	1 R	15-22-37	"	"	190	203.2	213	"	"
"	4 A	"	"	"	340	353.2	388	8-22	"
"	7 B	"	"	"	375	388.2	333	8-22	"
Molden	"	"	"	"	"	"	"	"	"
Molden & Brown	1 A	21-22-37	8-2	24/00	600	613.2	816	11-28	EPC
Molden	"	"	"	"	"	"	"	"	"
Williams, Bruce	2 A	26-22-37	8-31	73/00	462	475.2	573.2	8-14	MM
Baker	"	"	"	"	"	"	"	"	"
Wicks Oil Company, Inc.	4 R	32-21-37	8-1	72/00	190	163.2	29.2	8-15	MM
Wicks O	"	"	"	"	"	"	"	"	"
Wicks, W. B.	3 A	8-22-37	"	"	"	"	385.2	7-25	"
L. E. Grissell	"	"	"	"	"	"	"	"	"
PETROLEUM CORPORATION OF DELAWARE									
Lanessa Federal	1 R	12-26-37	4-3	72/00	252	265.2	53.2	4-11	EPC
WILLIAMS OIL COMPANY									
Big Chief Con	1 F	22-22-28	7-19	24/00	1627	1640.2	1640.2	8-25	MM
"	2 R	"	8-3	72/00	1564	1577.2	"	"	"
"	3 J	21-22-28	8-15	96/00	4081	4194.2	"	"	"
Little Squaw Con	1 F	27-22-28	7-19	24/00	2141	2154.2	"	"	"
WILLIAMS OIL COMPANY									
Artesia Airport C	1 R	15-17-25	8-1	24/00	640	653.2	404.2	8-17	"
WILLIAMS OIL COMPANY									
Arco EC St.	1 R	36-17-25	8-3	24/00	655	668.2	220.2	8-24	"
Armstrong CT Con	1 L	5-18-26	"	"	1563	1576.2	1078.2	8-22	"
Cankey TV Con	1 R	30-17-25	"	"	"	"	963.2	8-25	"
City of Artesia EQ Con	1 J	24-17-25	8-29	24/00	260	293.2	773.2	8-25	"
Maldean EN Con	1 E	31-17-26	8-9	"	1289	1302.2	1463.2	"	"
Imperial Jackson "By"	7 C	26-17-25	8-9	132/00	1830	1843.2	Initial	"	"
Jackson "AT" Con	1 R	15-17-25	8-23	96/00	1360	1373.2	"	"	"
"	1 R	25-17-25	8-27	"	270	283.2	293.2	8-24	"
"	1 R	26-17-25	8-24	"	890	903.2	1213.2	8-25	"
"	1 R	26-17-25	8-24	"	1570	1583.2	1611.2	"	"
Lawling "2C" Con	2 J	23-17-25	8-5	96/00	300	393.2	1902.2	9-1	"
Patchell 18 Con	2 R	31-17-26	8-5	96/00	2375	2388.2	Initial	"	"
Patterson "CL"	2 C	6-18-26	8-11	24/00	1070	1033.2	1853.2	7-15	"
Yates & Fed.	"	"	"	"	"	"	"	"	"
WILLIAMS OIL COMPANY									
City of Artesia EQ Con	1 J	24-17-25	"	24/00	640	673.2	773.2	8-24	"
Fed. "B2" Con	12 R	21-17-25	8-3	"	"	"	1577.2	8-17	"
Fed. "C2" Con	1 R	29-17-25	"	"	"	"	1818.2	"	"
Fed. "C3" Con	1 R	7-18-25	"	"	"	"	Initial	"	"
"	2 L	"	8-30	24/00	1680	1703.2	1308.2	8-17	"
Fed. C2	1 R	8-18-25	"	"	"	"	819.2	8-30	"
Fed. C7 Con	1 R	8-18-25	"	"	"	"	"	"	"
Fed. "C2"	1 P	32-17-25	8-25	24/00	740	753.2	1075.2	8-30	"
Golden TV Con	1 R	29-17-25	"	"	"	"	1394.2	"	"
Goodrich EN	1 R	28-17-25	"	"	"	"	816.2	"	"
Goodrich EC For Con.	1 C	32-17-25	"	"	"	"	1143.2	"	"
Goodrich EN Con	1 P	27-17-25	"	"	"	"	1218.2	"	"
Goodrich EC Con	1 R	28-17-25	"	"	"	"	866.2	"	"
Goodrich EC Con	1 E	34-17-25	"	"	"	"	1745.2	8-17	"
Goodrich EC Con	1 E	39-17-25	"	"	"	"	1873.2	7-13	"
Goodrich EC Con	1 R	6-18-25	"	"	"	"	1883.2	8-2	"
Goodrich EC Con	1 F	"	"	"	"	"	1756.2	8-17	"
Goodrich EC Con	1 E	25-17-26	"	"	"	"	1845.2	9-15	"
"	2 R	8-18-25	"	"	"	"	"	"	"
WILLIAMS OIL COMPANY									
Yates "A" Fed.	1 L	6-18-26	8-13	24/00	1200	1213.2	1800.2	8-30	MM
WILLIAMS OIL COMPANY									
Arco EC St.	2 J	36-17-25	8-24	24/00	1052	1065.2	1219.2	8-25	"
Armstrong CT Con	1 L	5-18-26	8-3	"	1563	1576.2	2259.2	8-27	"
Cankey EN Con	1 R	30-17-26	8-5	96/00	680	693.2	964.2	8-25	"
Fed. "C2" Con	17 C	21-17-25	8-3	24/00	660	673.2	716.2	8-9	"
Fed. "C2" Con	1 P	32-17-25	8-7	"	840	853.2	1115.2	8-30	"
Fed. "C2" Con	1 E	25-17-24	8-22	"	815	828.2	"	"	"
Fed. "C2" Con	1 E	27-17-24	8-29	"	805	818.2	"	"	"
Fed. "C2" Con	1 E	25-17-25	8-9	"	580	513.2	"	"	"
Fed. "C2" Con	1 R	21-17-26	8-24	"	1105	1118.2	1533.2	8-25	"
Fed. "C2" Con	1 E	32-17-25	8-31	"	766	779.2	1745.2	8-17	"
WILLIAMS OIL COMPANY									
Goodrich EC Con	1 R	34-15-34	"	"	"	"	223.2	7-20	"
WILLIAMS OIL COMPANY									
Goodrich EC Con	1 F	8-18-26	8-38	24/00	700	713.2	807.2	8-31	"
"	2 R	"	"	"	1200	1213.2	1356.2	8-30	"
"	3 R	26-17-26	8-15	"	751	764.2	796.2	8-31	"
"	4 R	"	"	"	1740	1763.2	2343.2	"	"
"	5 R	"	"	"	1680	1693.2	1803.2	"	"
"	6 R	8-18-26	8-15	"	1263.2	"	"	"	"
"	7 R	8-18-26	8-28	"	1250	1263.2	2133.2	7-20	EPC
"	8 R	8-18-26	8-28	"	1050	1063.2	"	"	"
"	9 R	8-18-26	8-28	"	1050	1063.2	"	"	"
"	10 R	8-18-26	8-28	"	1050	1063.2	"	"	"
"	11 R	8-18-26	8-28	"	1050	1063.2	"	"	"
"	12 R	8-18-26	8-28	"	1050	1063.2	"	"	"

[illegible]

Clear
8/1/79
Done



BENNETT WIRE LINE SERVICE

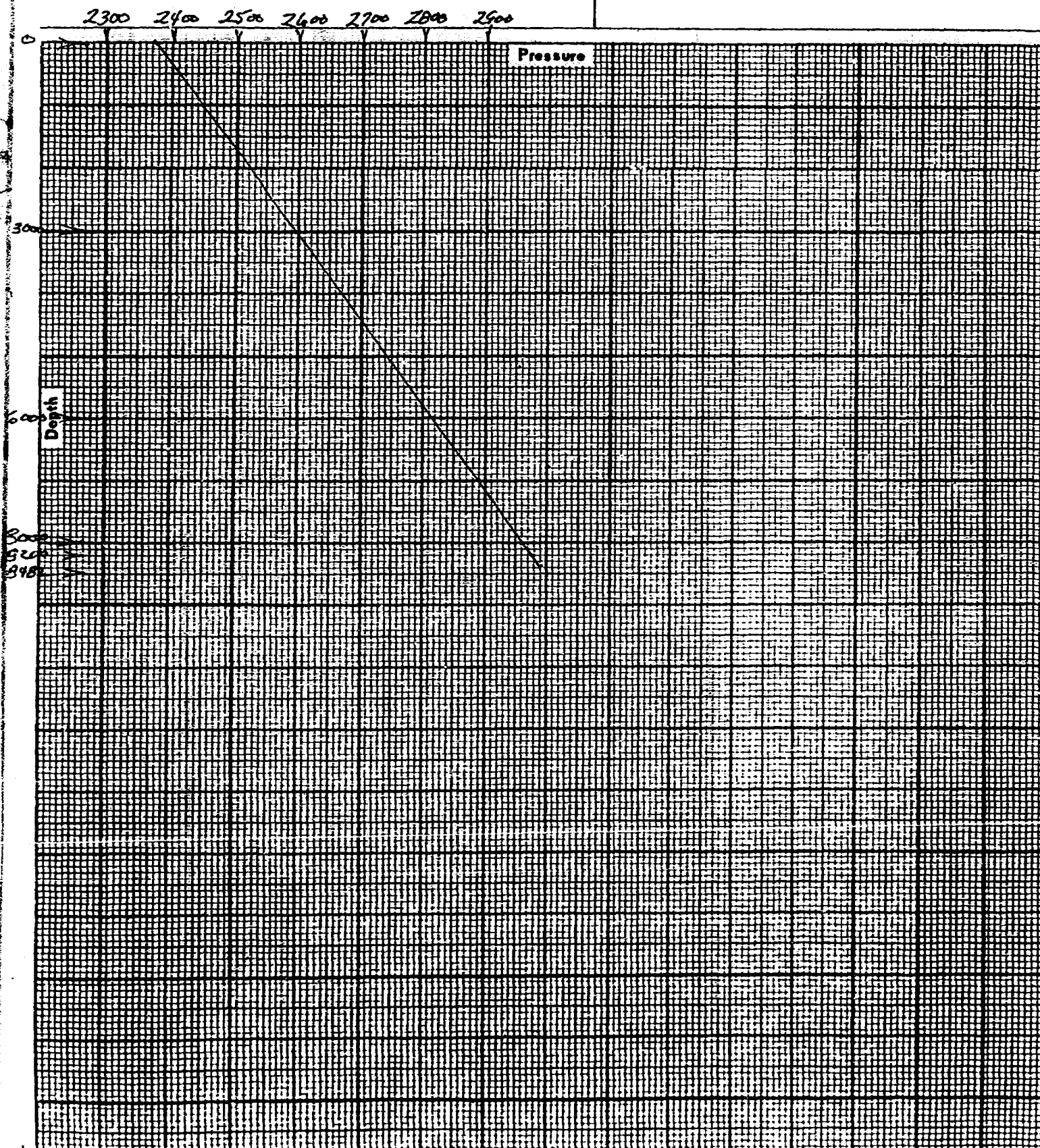
P. O. BOX 787
ARTESIA, NEW MEXICO 88210
Phone 746-3281



BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR Yates Petroleum Corp.
LEASE Patterson "EL"
WELL NO. 2
FIELD _____
DATE 7/31/79 TIME 8:00 PM
STATUS Shut-in TEST DEPTH 8482 Ft.
TIME S.I. _____ LAST TEST DATE _____
CAS. PRES. _____ BHP LAST TEST _____
TUB. PRES. 2375 Lbs BHP CHANGE _____
ELEV. _____ FLUID TOP None
DATUM _____ WATER TOP Billy Joe
TEMP 148° F RUN BY _____
CLOCK NO. _____ GAUGE NO. _____
ELEMENT NO. 6000

DEPTH	PRESSURE	GRADIENT
		Lbs./100 Ft.
0 Ft.	2375 Lbs.	-
3000	2589	7.1
6000	2816	7.5
8000	2960	7.2
8200	2975	7.5
8482	2991	5.6





BECKETT WIRE LINE SERVICE

P. O. BOX 787

ARTESIA, NEW MEXICO 88210

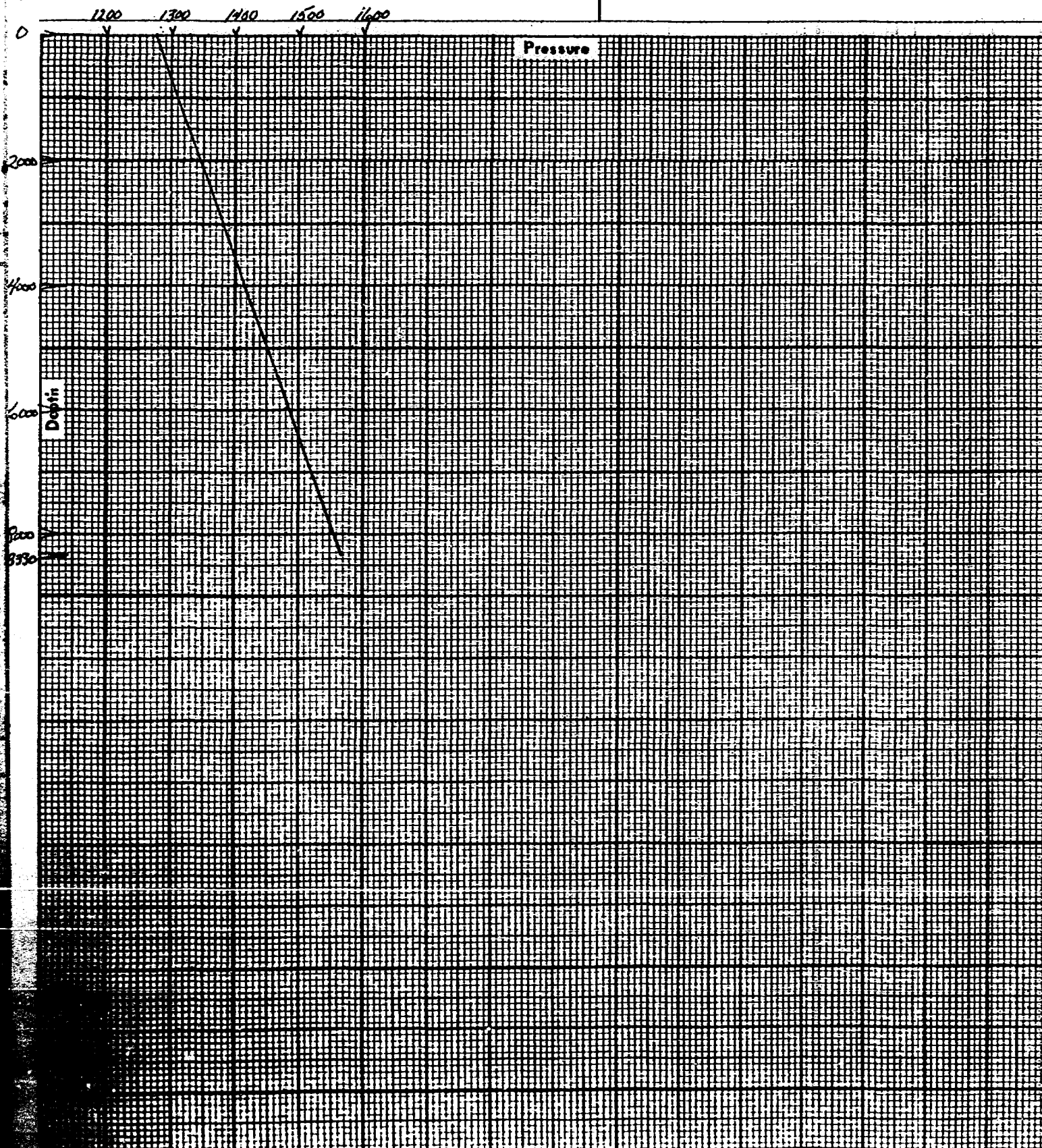
Phone 746-3281

Edoile
Don

BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR Yates Petroleum Corp.
LEASE Haldeman "EN"
WELL NO. 1
FIELD _____
DATE 5/9/79 TIME 11:45 A.M.
STATUS Shut-in TEST DEPTH 8330 Ft.
TIME S.I. _____ LAST TEST DATE _____
CAS. PRES. _____ BHP LAST TEST _____
TUB. PRES. 1276 BHP CHANGE _____
ELEV. _____ FLUID TOP None
DATUM _____ WATER TOP _____
TEMP 140° RUN BY Billy Joe
CLOCK NO. _____ GAUGE NO. _____
ELEMENT NO. 43798

DEPTH	PRESSURE	GRADIENT
		Lbs./100 Ft.
0 Ft.	1276 Lbs.	
2000 "	1331 "	3.9
4000 "	1402 "	3.5
6000 "	1480 "	3.9
8330 "	1569 "	3.8

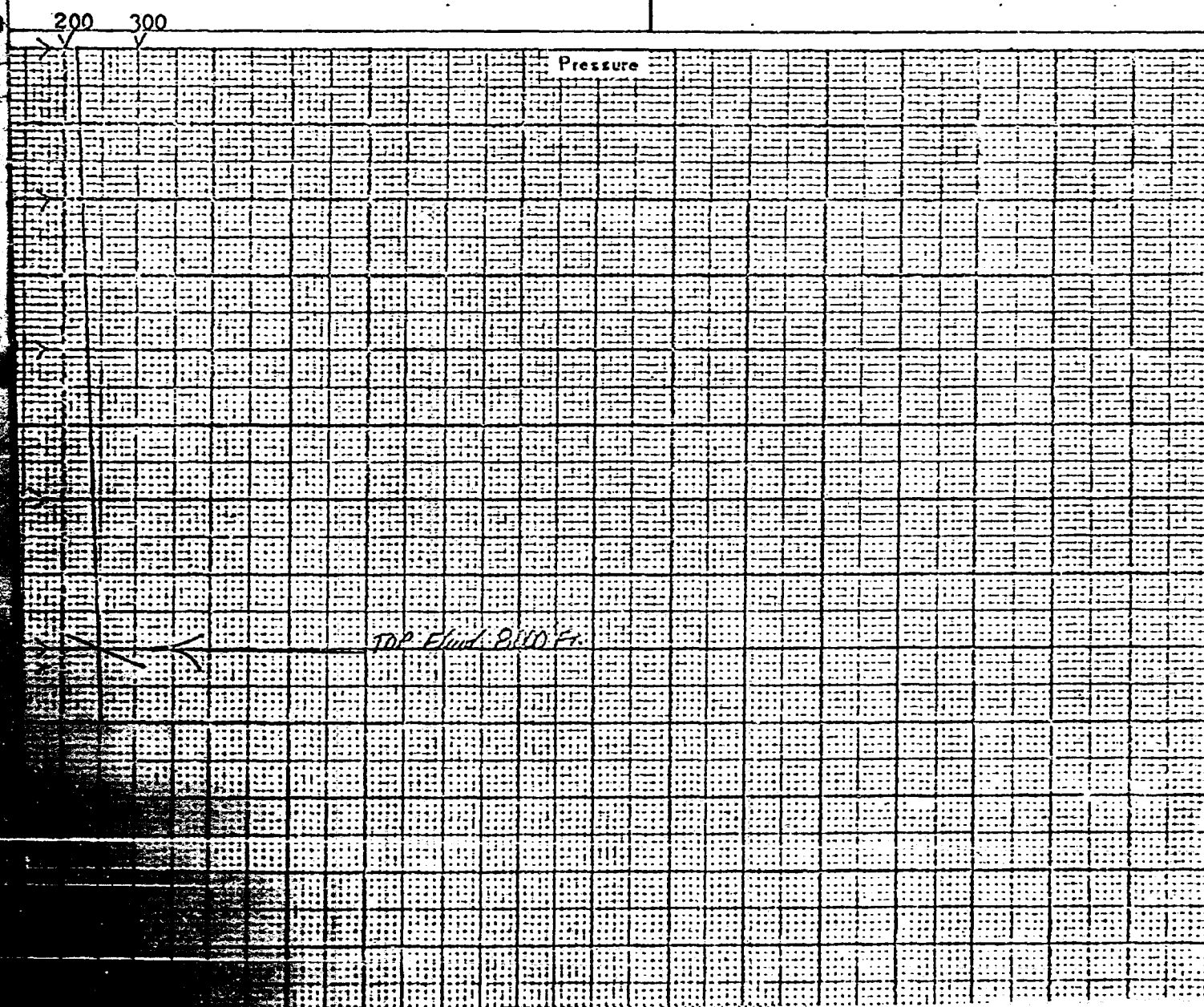


Bennett Wire Line Service
305 McArthur Ave. Ph. (505) 746-3281
Artesia, New Mexico - 88210

BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR Yates Petroleum Corp.
LEASE Arco States "EC"
WELL NO. #1
FIELD _____
DATE 11/22/78 TIME 4:00 P.M.
STATUS Shut-in TEST DEPTH 8250 Ft.
TIME S.I. _____ LAST TEST DATE _____
CAS. PRES. _____ BHP LAST TEST _____
TUB. PRES. 216 BHP CHANGE _____
ELEV. _____ FLUID TOP 8000 Ft.
DATUM _____ WATER TOP _____
TEMP _____ RUN BY Cathy
CLOCK NO. _____ GAUGE NO. _____
ELEMENT NO. 499

DEPTH	PRESSURE	GRADIENT Lbs./100 Ft.
0 Ft.	216 Lbs.	
2000 "	220 "	0.2
4000 "	230 "	0.5
6000 "	240 "	0.5
8000 "	250 "	0.5
8250 "	310 "	24.0

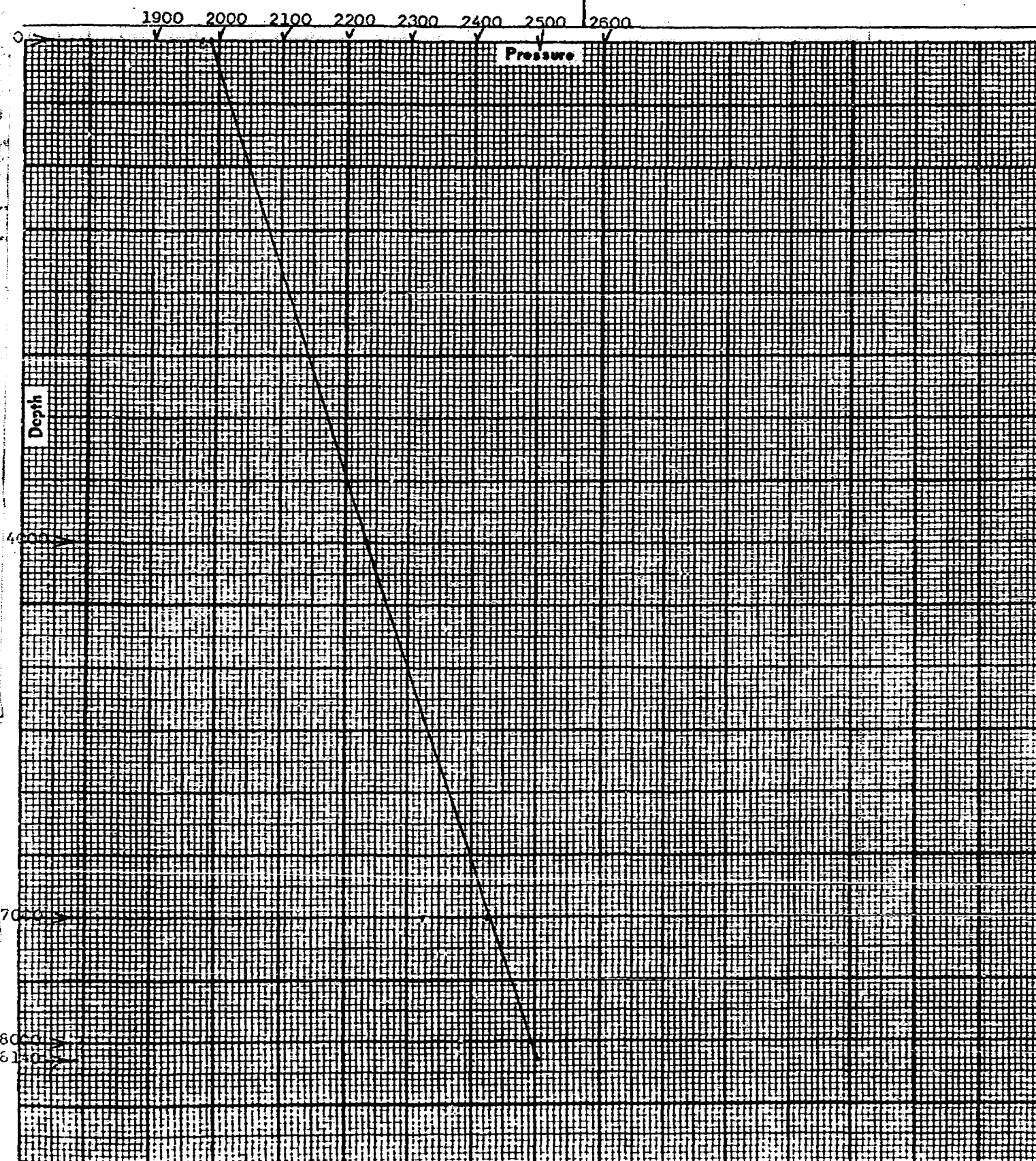


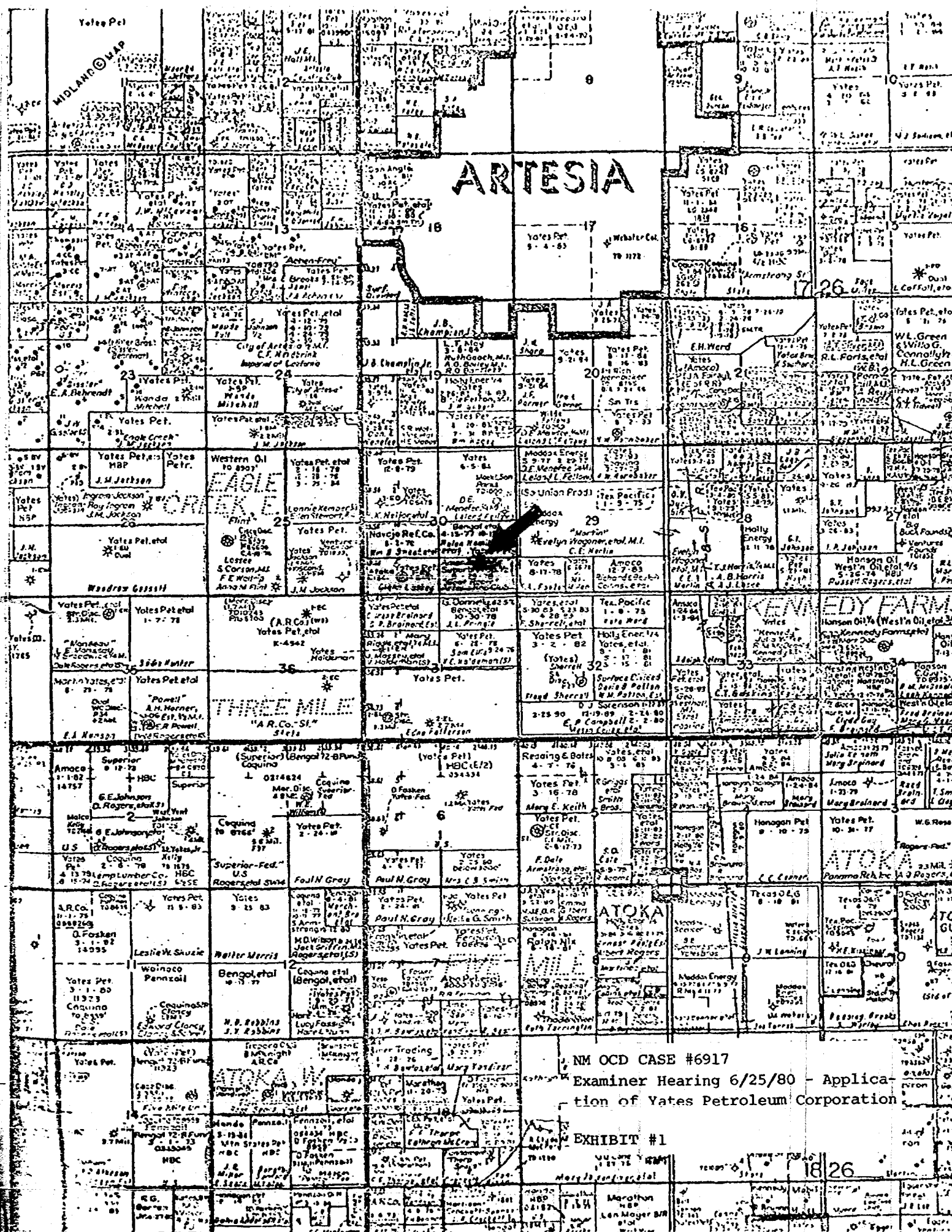
Bennett Wire Line Service
305 McArthur Ave. Ph. (505) 746-3281
Artesia, New Mexico - 88210

BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR YATES PET. CORP.
LEASE Jackson "GM"
WELL NO. 1
FIELD _____
DATE 4/14/78 TIME _____
STATUS Shut-in TEST DEPTH 8140 Ft.
TIME S.I. 5:31 PM LAST TEST DATE _____
CAS. PRES. _____ BHP LAST TEST _____
TUB. PRES. 1988 Lbs. BHP CHANGE _____
ELEV. _____ FLUID TOP None
DATUM _____ WATER TOP _____
TEMP BH.150 RUN BY Bennett
CLOCK NO. _____ GAUGE NO. _____
ELEMENT NO. 18149

DEPTH	PRESSURE	GRADIENT Lbs./100 Ft.
0 Ft.	1988 Lbs.	
4000 "	2235 "	6.2
7000 "	2429 "	6.5
8000 "	2494 "	6.5
8140 "	2502 "	5.7
<u>8199</u>	<u>2505</u>	





NM OCD CASE #6917

Examiner Hearing 6/25/80 - Application of Yates Petroleum Corporation

EXHIBIT #1

1826



207 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 746-3558

S. P. YATES
PRESIDENT
MARTIN YATES, III
VICE PRESIDENT
JOHN A. YATES
VICE PRESIDENT
B. W. HARPER
SEC. TREAS.

April 17, 1980

Mr. Joe Ramey, Director
Oil Conservation Division
Energy and Minerals Department
P. O. Box 2088
Santa Fe, New Mexico 87501

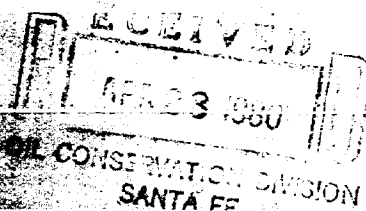
Re: Application for New Onshore
Reservoir
NGPA Sec. 102 (c)(1)(C)
Yates Petroleum Corporation
Goat Roper "LP" Com No. 1

Gentlemen:

Please find enclosed pursuant to the NMCD SPECIAL RULES FOR
APPLICATIONS FOR WELLHEAD PRICE CEILING CATEGORY DETERMINATIONS,
Rule 14, and application for a New Onshore Reservoir Determination
for the referenced well.

We enclose the following:

- (1) Commission Form 121
- (2) Division Form C-132 with required attachments
- (3) Geological and engineering information:
 - (a) Well logs: X-Section I thru XI



- NM OCD CASE #6917
Examiner Hearing 6/25/80 - Applica-
tion of Yates Petroleum Corporation
EXHIBIT #2

Page 2

(b) Pressure surveys: Goat Roper BHP Survey 3-15-80
Armstrong CT BHP Survey 9-8-78
Patterson EL #2 BHP Survey 7-31-79
Haldeman EN BHP Survey 5-9-79
Jackson GM BHP Survey 4-14-78

(c) Well potential test, see Form C-105 attached to form C-132.

(d) Formation structure map with wells located around subject well

(e) Subsurface cross section chart

(f) Gas analysis

(g) Reservoir comparisons:

(1) Discussion of subject well

(2) Discussion of offset wells with attachments if needed

(4) Statement Under Oath with attachments if needed.

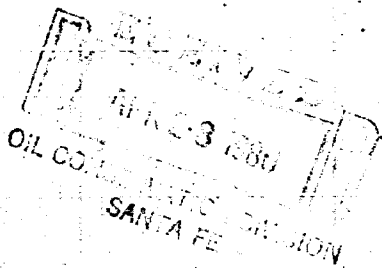
Very truly yours,

YATES PETROLEUM CORPORATION

By: B. W. Harper
B. W. Harper
Secretary-Treasurer

BWH/ej

Enclosures



VERIFICATION AS TO COMPLETION OF
REQUIREMENTS FOR SPECIAL RULES 1 & 2

THE STATE OF NEW MEXICO

COUNTY OF EDDY

B. W. Harper, being first duly sworn, states that he is Secretary-Treasurer of Yates Petroleum Corporation; that he is authorized to execute this affidavit; that he has read the above and foregoing and is familiar with the contents thereof; and that all allegations and facts contained therein are true and correct to the best of his knowledge, information, and belief; that the foregoing Form C-132, Application for Wellhead Price Ceiling Category Determination, and FERC Form 121 has been mailed or delivered to all working interest owners in subject well; that Yates Petroleum Corporation is operator of subject well and intends this application to cover all parties to the operating agreement and gas purchase contract and notice has been given by mailing or delivering this application to them in accordance with New Mexico Oil Conservation Division instructions; that the foregoing application has also been mailed or delivered to the appropriate purchaser in accordance with the requirements set out in the Regulations Implementing the Natural Gas Policy Act of 1978.

YATES PETROLEUM CORPORATION

BY: B. W. Harper

B. W. Harper,
Secretary-Treasurer

SWORN TO AND SUBSCRIBED before me this 17th day of April,
1979.

Lu Ann Beardemphle
Notary Public in and for the
State of New Mexico

My Commission Expires:

August 3, 1983

OIL CONSERVATION
DIVISION
SANTA FE

FERC-127

1.0 API well number: (If not available, leave blank. 14 digits.)	30-015-23059			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	102 Section of NGPA		4 Category Code	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	8365-8373 feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Yates Petroleum Corporation Name 207 South Fourth Street Street Artesia, NM 88210 City State Zip Code		Seller Code	
5.0 Location of this well: (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	Eagle Creek Atoka Morrow Field Name Eddy NM County State			
(b) For OCS wells:	Area Name Block Number Date of Lease: Mo. Day Yr. OCS Lease Number			
(c) Name and identification number of this well: (35 letters and digits maximum.)	Goat Roper "LP" Com No. 1			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	Morrow			
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Transwestern Pipeline Company Name		Buyer Code	
(b) Date of the contract:	Mo. Day Yr.			
(c) Estimated annual production:	MMcf.			
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices (Indicate (+) or (-).)	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	2.428	1.94*		2.622
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	2.428	1.94		2.622
9.0 Person responsible for this application:	B. W. Harper Secretary-Treasurer Name Title Signature April 17, 1980 (505) 746-3558 Date Application is Completed Phone Number			
Agency Use Only				
Date Received by Juris. Agency				
Date Received by FERC				

* N.M. Severance Tax is on per MCF basis.

FT7900806/2-2

NEW MEXICO OIL CONSERVATION DIVISION
P. O. Box 2000, Santa Fe, New Mexico 87501

APPLICATION FOR WELLHEAD
PRICE CEILING CATEGORY DETERMINATION

1. FOR DIVISION USE ONLY

DATE OF: APPLICATION _____
DETERMINATION _____
CONTESTED _____
PARTICIPANTS _____

Name of Operator

Yates Petroleum Corporation

Address of Operator

207 South Fourth Street, Artesia, New Mexico 88210

Location of Well

WEST SECTION P 1130 FEET FROM THE South LINE AND 1300 FEET FROM
THE East LINE, SECTION 30 TOWNSHIP 17S RANGE 26E NMPM.

13. Name and Address of Transporter(s)

Transwestern Pipeline Company, P. O. Box 2521, Houston, Texas 77001

Kind of Lease
State, Federal or Fee Fee
State Oil & Gas Lease No.

7. Unit Agreement Date

8. Term of Lease Date

Goat Roper "LP" Com

9. Well No.

1

10. Field and Pool, or Wellhead
Eagle Creek Atoka
Morrow

12. County
Eddy

WELL CATEGORY INFORMATION

Check appropriate box for category sought and information submitted.

- ☒ 1. Category(ies) Sought (By NGPA Section No.) Section 102 (c) (1) (C)
2. All Applications must contain:
- ☒ a. C-101 APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK
- ☒ b. C-105 WELL COMPLETION OR RECOMPLETION REPORT AND LOG
- ☐ c. DIRECTIONAL DRILLING SURVEY, IF REQUIRED UNDER RULE 111
- ☒ d. AFFIDAVITS OF MAILING OR DELIVERY
- ☐ 3. NEW NATURAL GAS UNDER SEC. 102(c) (1) (B) (using 2.5 Mile or 1000 Feet Deeper Test)
- ☐ a. Location Plat
- ☒ 4. NEW NATURAL GAS UNDER SEC. 102(c) (1) (C) (new onshore reservoir)
- ☐ a. C-122 Multipoint and one point back pressure test
- ☐ 5. NEW ONSHORE PRODUCTION WELL
- ☐ a. C-102 WELL LOCATION AND ACREAGE DEDICATION PLAT
- ☐ b. No. of order authorizing infill program _____
- ☐ 6. STRIPPER GAS
- ☐ a. C-116 GAS-OIL RATIO TEST
- ☐ b. PRODUCTION CURVE FOR 12-MONTH PERIOD PRECEDING DECEMBER 1, 1978.
- ☐ c. PRODUCTION CURVE FOR THE 90-DAY PERIOD ON WHICH THE APPLICATION IS BASED

I HEREBY CERTIFY THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

NAME: B. W. Harper

SIGNED: B. W. Harper

TITLE: Secretary-Treasurer

DATE: April 17, 1980

APPROVED: _____, EXAMINER

1. DISTRIBUTION
SANTA FE
FILE
U.S.G.S.
LAND OFFICE
OPERATION

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

MAR 19 1980

24

2. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ DRY ☐
3. TYPE OF COMPLETION
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. PRES. ☐ OTHER ☐

4. Name of Operator
Yates Petroleum Corporation
5. Address of Operator
207 South 4th Street - Artesia, NM 88210
6. Location of Well

UNIT LETTER P LOCATED 1130 FEET FROM THE South LINE AND 1300 FEET FROM Eddy

7. Date Spudded 2-8-80 18. Date T.O. Reached 3-1-80 19. Date Compl. (Ready to Prod.) 3-9-80 20. Total Depth 8610' 21. Plug Back T.O. WL 8490' 22. If Multiple Compl., How Many 3413' GR 23. Intervals Drilled By 0-8610' 24. Producing Interval(s), of this completion - Top, Bottom, Name 8365-8373' MORROW 25. Was Directional Survey Made No 26. Type Electric and Other Logs Run CNL/FDC, DLL 27. Was Well Cased No

CASING RECORD (Report all strings set in well)				AMOUNT PULLED
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	
13-3/8"	48#	365'	17 1/2"	360 sacks
8-5/8"	24#	1245'	12 1/2"	752 sacks
5 1/2"	17&15.5#	8499'	7-7/8"	510 sacks

LINER RECORD				SCREEN	SIZE	DEPTH SET	PACKER SET
SIZE	TOP	BOTTOM	SACKS CEMENT		2-7/8"	8322'	8322'

31. Perforation Record (Interval, size and number)
8365-8373' w/32 .50" shots (4spf)

ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
NATURAL	

32. PRODUCTION
Date First Production 3-9-80 Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Well Status (Prod. or Shut-in) SIWOPLC
Date of Test 3-9-80 Hours Tested 2 Choke Size 157 Oil - Pbl. 1878 Gas - MCF 157 Water - Pbl. 1878 Gas - Oil Ratio 1878
Casing Pressure 200 Calculated 24-Hour Rate 1878 Oil Gravity - API (Corr.) 1878
Test Witnessed By Harvey Apple

33. Disposition of Gas (Sold, used for fuel, vented, etc.)
Vented will be sold

I, Christine Anderson Geol. Secty DATE 8-19-80
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.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-4-65

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

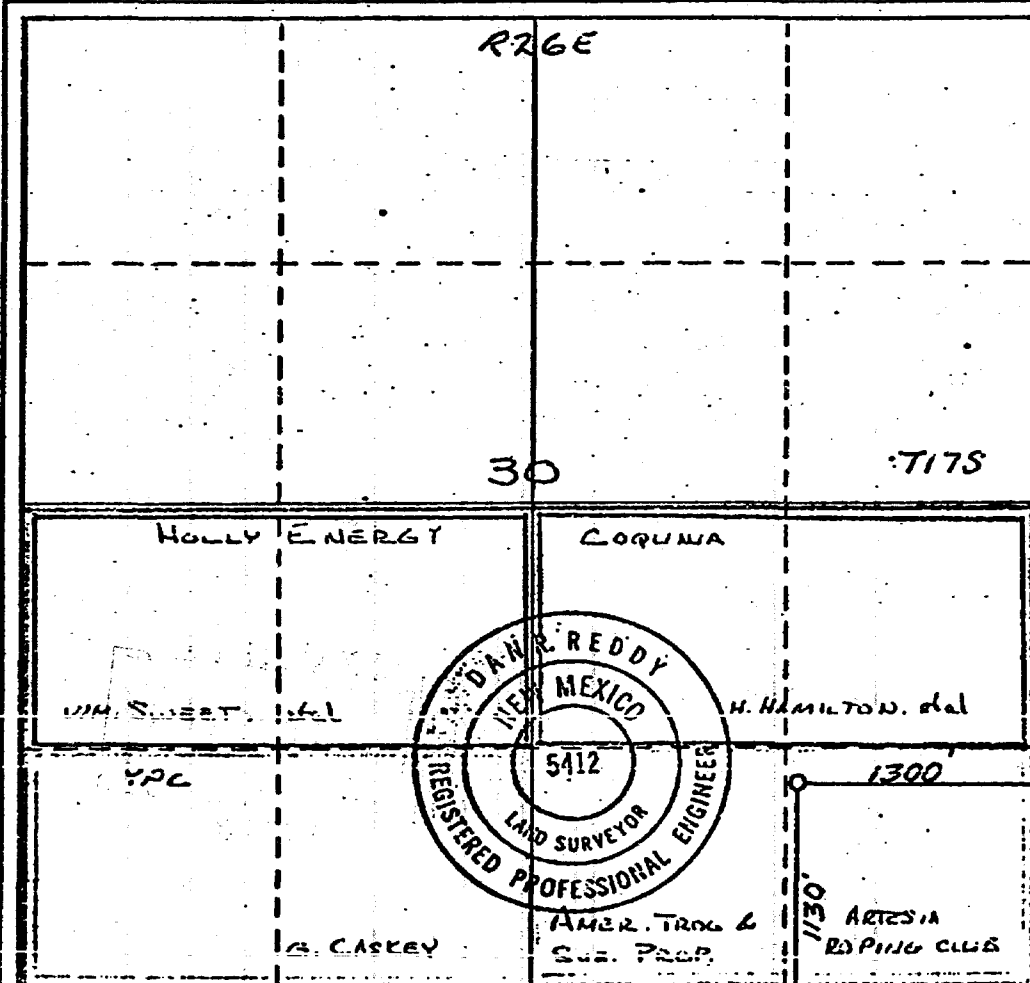
Operator YATES PETROLEUM CORPORATION		Lease GOAT ROPER LP		Well No. 1
Unit Letter P	Section 30	Township 17 South	Range 26 East	County Eddy
Actual Footage Location of Well: 1130 feet from the South line and 1300 feet from the East line				
Ground Level Elev. 3413	Producing Formation MORROW	Pool UNDERS. MORROW	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 COMMUNITIZATION

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

GEOGRAPHER
Company

YATES PETROLEUM CORP.
Date

8-20-79

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
Aug 3, 1979

Registered Professional Engineer and/or Land Surveyor

Dan R. Reddy
Certificate No.

NMPE&LS 5412

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U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

30-015-23059
Form C-101
Revised 1-1-85

5A. Indicate Type of Lease
STATE <input type="checkbox"/> REC <input checked="" type="checkbox"/>

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Form or Lease Name Goat Roper LP	
2. Name of Operator Yates Petroleum Corporation		9. Well No. 1	
3. Address of Operator 207 South 4th Street, Artesia, New Mexico 88210		10. Field and Pool, or Wildcat Undes. Morrow	
4. Location of Well UNIT LETTER <u>P</u> LOCATED <u>1130</u> FEET FROM THE <u>South</u> LINE AND <u>1300</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>30</u> TWP. <u>17S</u> REC. <u>26E</u> NMPM		12. County Eddy	
19. Proposed Depth 8600'		19A. Formation Morrow	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DF, RT, etc.) 3413'	
21A. Kind & Status Plug. Bond Blanket		21B. Drilling Contractor Landis Drilling Co.	
22. Approx. Date Work will start As soon as approved			

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2"	13 3/8	48#	Approx. 400'	250 SX	Circulate
12 1/4"	8 5/8	24#	Approx. 1300'	600 SX	Circulate
7 7/8"	4 1/2 or 5 1/2	10.5 or 17#	TD	250 SX	

We propose to drill a well to test the Morrow and intermediate formations. Will set approximately 400' of surface casing to shut off gravel and caving. Intermediate casing will be set 100' below the Artesian water zone. Both strings shall be circulated. If commercial, will run 5 1/2" or 4 1/2" production casing and cement with at least 600' of cover.

MUD PROGRAM: FW gel and LCM to 1300'; water to 6200' (add KCL at 4200'); Starch-Drispak-KCL to 7800'; Flosal-Drispak-KCL to TD.

BOP PROGRAM: BOP's and hydril on 8 5/8" casing and tested, pipe rams tested daily, blind rams on trips yellow jacket, pit level control and flow sensor on at 4000'.

GAS NOT DEDICATED.

NON-STANDARD LOCATION : Hearing October 10, 1979

THE ABOVE SPACE DESCRIBE PROPOSED PROGRAM. IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

William L. ...

Title Geographer

Date 9/5/79

(This space for State Use)

TITLE

DATE

REPROVAL, IF ANY:



207 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210

TELEPHONE (505) 746-3558

April 17, 1980

S. P. YATES
PRESIDENT
MARTIN YATES, III
VICE PRESIDENT
JOHN A. YATES
VICE PRESIDENT
B. W. HARPER
SEC. TREAS

TO: Mr. Joe Ramey, Director, OCD
Energy and Minerals Department
P. O. Box 2088
Santa Fe, New Mexico 87501

SUBJECT: Natural Gas Policy Act
Statement Under Oath
New Onshore Reservoir
Application

Re: Natural Gas Produced From:
Well Name: Goat Roper "LP" Com No. 1
A.P.I.#: 30-015-23059
Location: Section 30-17S-26E
Formation: Morrow

Yates Petroleum Corporation (Operator), a New Mexico Corporation, herein swears:

- (1) That he has made, or has caused to be made pursuant to his instructions, a diligent search of the following records which are reasonably available and contain information relevant to the determination of eligibility:
 - (a) Commercial oil and gas lease ownership map and well location map compiled from official county and state records and sold to us by Midland Map Co., Midland, Texas, on file in Operator's offices.
 - (b) Legal review of land title prior to drilling, on file in Operator's offices.
 - (c) Well completion cards, on file in Operator's offices, on all wells within the same section as the referenced well and which penetrated the same prospective formations as sought by the referenced well. Such cards are available commercially and are compiled from information available in state offices.
 - (d) Electric log records of all relevant wells which penetrated the same prospective formations as sought by the referenced well. Log records are on file in Operator's offices, respective state offices, and commercial log companies.

- (e) State of New Mexico production records and gas well shut-in tubing pressure records of all relevant wells which produced or produces from the same prospective formations as sought by the referenced well. Such records are kept in Operator's office and state offices. They were used in lieu of severance tax and royalty payment records which are not reasonably available to the applicant.
 - (f) Daily drilling reports on file in Operator's files indicating date and time of spudding the referenced well.
 - (g) State of New Mexico approval of the referenced well location and dedicated acreage to be assigned to the well in the event of production. Such records are on file in both Operator's office and respective state office. A copy of the acreage dedication plat is included.
 - (h) Official notices by operator of well drilling activity and completion reports filed with respective state office.
 - (i) Operator's well files including such data as BHP surveys, production rates, flowing tubing pressures and line pressures.
- (2) That on the basis of the results of this search and examination, Operator has concluded that to the best of his information, knowledge and belief the gas to be produced and for which he seeks a determination is from a new onshore reservoir; and
- (3) That he has no knowledge of any other information not described in the application which is inconsistent with his conclusion.
- (4) (a) Was natural gas produced in commercial quantities from the reservoir prior to April 20, 1977?
- NO
-
- (b) Was the reservoir penetrated before April 20, 1977, by an old well from which natural gas or crude oil was produced in commercial quantities from any reservoir?
- NO
-

- (c) If the question in subparagraph (b) is answered in the affirmative could natural gas have been produced in commercial quantities from the reservoir before April 20, 1977, from any old well described in (b)?

N/A

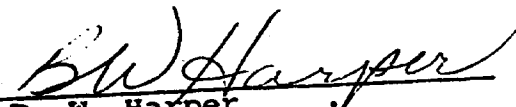
- (d) If the Natural gas is to be produced through an old well, well, were suitable facilities for the production and delivery to a pipeline of such natural gas in existence on April 20, 1977?

N/A

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing
Statement has been served upon the following by mailing
the same, postage prepaid, properly addressed to:

Transwestern Pipeline Company
P. O. Box 2521
Houston, Texas 77001


B. W. Harper

DATED at Artesia, New Mexico, this

17th day of April, 1980.

CERTIFICATE OF MAILING

Yates Petroleum Corporation hereby certifies that it has this day mailed the appropriate FERC 121 Form and OCD 132 Form to all working interest owners and gas purchaser(s) (if any) in:

Goat Roper "LP" Com No. 1
WELL NAME

Section 30-17S-26E, Eddy Co., NM
LEGAL DESCRIPTION

YATES PETROLEUM CORPORATION

By: B. W. Harper
B. W. Harper
Secretary-Treasurer

Sworn to and subscribed before me this 17th day of April, 1980.

LuAnn Braden
Notary Public in and for Eddy Co., New Mexico

My Commission Expires:

August 3, 1983

METHANE	1.924	0.000
ETHANE	1.924	0.000
PROPANE	1.924	0.000
ISOBUTANE	2.000	0.000
N-BUTANE	2.000	0.000
ISOPENTANE	2.4910	0.000
N-PENTANE	2.4910	0.000
HEXANES	2.9753	0.000
HEPTANES +	3.7018	0.000

COMPOSITION ----- 1.0000

MIXTURE SPECIFIC GRAVITY:

Calculated From Analysis

Determined by Test Instrument

Instrument Make or Type

625
625

WATER HEATING VALUE

WATER HEATING VALUE, Btu/lb.

1000

Handwritten notes and calculations on the right side of the page, including various numbers and text fragments.

RESERVOIR COMPARISONS - OFFSET WELLS - APPLICATION FOR SECTION 102 NEW RESERVOIR CATEGORY

SUBJECT WELL Goat Roper "LP" Com No. 1

OPERATOR Yates Petroleum Corporation

LOCATION Section 30-17S-26E

SPUD DATE 2-8-80

COMPLETION DATE 3-9-80

FORMATION Morrow

COMPLETION DEPTH 8365-8373'

DATE FIRST SALES None to date

DISCUSSION OF SUBJECT WELL:

The Yates Petroleum Corporation's Goat Roper "LP" Com No. 1 was completed 3-9-80 in the Morrow formation with perforations at 8365-8373'. The Morrow reservoir perforated in the subject well was at virgin pressure when the well was completed. As the attached discussion of all relevant wells will show, the subject reservoir is a new reservoir under the N.G.P.A. definition.

ORIGINAL MORROW PRESSURES ON THE SUBJECT WELL:

The Morrow formation was initially perforated at 8365-8373'. A 120-hour SITP of 2763 and a SIBHP of 3532 was recorded on 3-15-80 indicating virgin pressure in the Morrow perforations. A copy of the BHP Survey is attached. There are nearby wells surrounding the Goat Roper "LP" Com No. 1 that have not been discussed in this report. They were omitted from this discussion due to post 4-20-77 spud dates or they did not penetrate the Morrow sands.

NM OCD CASE #6917
Examiner Hearing 6/25/80 - Application of Yates Petroleum Corporation
EXHIBIT #6

RESERVOIR COMPARISONS - OFFSET WELLS - APPLICATION FOR SEC. 102 NEW RESERVOIR CATEGORY

PAGE 1 OF 1

SUBJECT WELL Goat Roper "LP" Com No. 1 OPERATOR Yates Petroleum Corp. LOCATION Section 20-17S-26E, Eddy County, NM SPUD DATE 2-8-80
 COMPLETION DATE 3-9-80 COMPLETION DEPTH 8365-8373' FORMATION Morrow DATE FIRST SALES None to date

OPERATOR WELL NAME WELL LOCATION SPUD DATE (COMPL. DATE)	CROSS SECTION SEGMENT	COMPLETION DEPTH	COMPLETION ZONE	COMMENTS
1. Maddox Energy Company Martin Com "L" No. 1 Section 29-17S-26E 660' FWL, 1980' FSL 2-10-77 (5-23-77)	I	7919-24'	Strawn	The Martin Com "L" No. 1 has no Morrow sands capable of commercial production that correlate with the subject well's completed Morrow reservoir. The Martin Com "L" No. 1 is located .4 miles from the subject well.
2. Yates Petroleum Corporation Armstrong "CT" No. 1 Section 5-18S-26E 1980' FSL, 660' FWL 6-3-73 (10-8-73)	II	8122-26' 8050-56' 8381-87' 8455-60' 8499-8503' 8566-8567' 8616-8619'	Strawn (6-22-78) Atoka-Morrow (10-8-73)	The Yates Armstrong "CT" No. 1 has a small (one foot) perforated sand body (8566-67') which correlates with the subject well's completed Morrow reservoir. The Armstrong "CT" No. 1 was completed originally in the Atoka-Morrow interval as shown. The well was completed for 1100 MCFD @ 195# FTP. On 8-16-77, a SITP of 1051 psig was reported (copy of Annual Survey attached). At the end of May, 1978, the Atoka-Morrow interval had produced 215837 MCF of gas and was producing at a near depleted rate of 30 to 50 MCFD. In March 1978 approval was requested to recomplete the well in the Strawn formation and commingle the Strawn and Morrow (copy of letter attached). The Strawn was perforated 6-22-78. Commingling was approved in October 1978. The near depletion of the Atoka-Morrow interval prior to completion in the Strawn, compared to the virgin pressures of the subject well, indicate no communication has occurred between the two wells. A SITP of 1563 psig on 8-3-79 (Annual Survey report attached) indicates near depletion of both the Strawn and Morrow reservoirs. The well is located 1.9 miles from the subject well.
3. Yates Petroleum Corporation Patterson "EL" No. 2 Section 31-17S-26E 660' FSL, 2310' FWL 12-28-78 (2-15-79)	III	8467-8497'	Morrow	The Patterson "EL" No. 2 has a perforated sand body that correlates with the subject well's completed Morrow reservoir. However, on 6-17-80, after a 176-hour shut-in the BHP was 1778 (BHP Survey attached) which proves the well not to be in communication with the subject well. The Patterson "EL" No. 2 was spudded after 4-20-77 and is 1.2 miles from the subject well.

RESERVOIR COMPARISONS - OFFSET WELLS - APPLICATION FOR SEC. 102 NEW RESERVOIR CATEGORY

PAGE _____ OF _____

SUBJECT WELL Goat Roper "LP" Com No. 1 OPERATOR Yates Petroleum Corp. LOCATION Section 30-17S-26E, Eddy County, NM SPUD DATE 2-8-80COMPLETION DATE 3-9-80 COMPLETION DEPTH 8365-8373' FORMATION Morrow DATE FIRST SALES None to date

OPERATOR WELL NAME WELL LOCATION SPUD DATE (COMPL. DATE)	CROSS SECTION SEGMENT	COMPLETION DEPTH	COMPLETION ZONE	COMMENTS
4. David Pasken Yates "6" Federal No. 1 Section 6-18S-26E 1980' FSL, 660' FWL 12-19-73 (3-21-74)	III	8231-41'	Atoka	The Yates "6" Federal No. 1 has a sand body which seems to be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, this interval was DST'd in DST #3 as shown on the cross section and found to be non-commercial due to the fact that it flowed only 47 mcfd (18 psi on 1/4" choke). The zone was never perforated and the well was plugged back to 8420' and was completed in the Atoka. Also, the sand body in the Yates "6" Federal No. 1 which seems to be in the same interval as the subject well correlates with the Patterson "EL" No. 2 and is separated from the subject well by the Patterson "EL" No. 2, which is discussed herein, and was shown not to be in connection with the subject well. Therefore, the Yates "6" Federal No. 1 sand body in question is not connected to the subject well's completed Morrow reservoir. The Yates "6" Federal No. 1 is located 1.9 miles from the subject well.
5. Yates Petroleum Corporation. Patterson "EL" No. 1 Section 31-17S-26E 880' FSL, 660' FWL 8-15-75 (10-8-75)	IV	8002-30'	Strawn	The Patterson "EL" No. 1 has no sands that correlate with the subject well's completed Morrow reservoir and therefore cannot be in communication with the subject well. The Patterson "EL" No. 1 is located 1.2 miles from the subject well.
6. Coquina Superior Federal No. 1 Section 1-18S-25E 1980' FSL, 1980' FEL 6-26-73 (8-7-73)	IV	8430-45'	Morrow	The Superior Federal No. 1 has two small sand units which seem to be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, the Superior Federal No. 1 is located 1.9 miles from the subject well and is separated from the subject well by the Patterson "EL" No. 1, Patterson "EL" No. 2, Haldeman "EN" No. 1 and the Arco "EC" State No. 2. All these wells are discussed within this report and are proven to have no communication with the subject well, therefore proving that the Superior Federal No. 1 cannot be in communication with the subject well.

RESERVOIR COMPARISONS - OFFSET WELLS - APPLICATION FOR SEC. 102 NEW RESERVOIR CATEGORY

PAGE 3 OF 6

SUBJECT WELL Goat Roper "LP" Com No. 1 OPERATOR Yates Petroleum Corp. LOCATION Section 30-17S-26E, Eddy County, NM SPUD DATE 2-8-80
 COMPLETION DATE 3-9-80 COMPLETION DEPTH 8365-8373' FORMATION Morrow DATE FIRST SALES None to date

OPERATOR WELL NAME WELL LOCATION SPUD DATE (COMPL. DATE)	CROSS SECTION SEGMENT	COMPLETION DEPTH	COMPLETION ZONE	COMMENTS
7. Coquina Superior Federal No. 2 Section 1-18S-25E 1980' FSL, 1980' FWL 12-6-73 (3-20-74)	IV	8434-45'	Morrow	The Superior Federal No. 2 has a perforated sand body which seems to be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, the Superior Federal No. 2 is located 2.3 miles from the subject well and is separated from the subject well by five wells, the Patterson "EL" No. 1, Patterson "EL" No. 2, Haldeman "EN" No. 1, Arco "EC" St. No. 2, and the Superior Fed. No. 1, all of which have been proven in this report not to be in communication with the subject well.
8. Yates Petroleum Corporation Haldeman "EN" No. 1 Section 31-17S-26E 1980' FSL, 660' FWL 7-12-75 (8-24-75)	V	8387-8412'	Morrow	The Haldeman "EN" No. 1 has a perforated sand body which seems to be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, on 5-9-79, after producing 1,812,219 mcf, the BHP of the Haldeman "EN" No. 1 was 1569 (BHP Survey attached) which is in contrast with the subject well's virgin BHP of 3532 proving no communication with the subject well. The Haldeman "EN" No. 1 is .8 miles from the subject well.
9. Yates Petroleum Corporation Arco "EC" State No. 2 Section 36-17S-25E 1980' FSL, 1100' FWL 10-16-75 (12-2-75)	V	7988-7986'	Strawn	The Arco "EC" State No. 2 has no sands capable of commercial production that correlate with the subject well's completed reservoir. The Arco "EC" State No. 2 is 1.2 miles from the subject well.
10. Superior Johnson Com No. 1 Section 2-18S-25E 2080' FSL, 660' FWL 9-6-73 (11-1-73)	V	8380-8423'	Morrow	The Johnson Com No. 1 has a perforated sand body which seems to be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, the Johnson Com No. 1 is 2.7 miles from the subject well and is separated from the subject well by the Arco "EC" State No. 2 and the Haldeman "EN" No. 1, both of which have been discussed herein and proven to have no communication with the subject well.

RESERVOIR COMPARISONS - OFFSET WELLS - APPLICATION FOR SEC. 102 NEW RESERVOIR CATEGORY

PAGE 1 OF 1

SUBJECT WELL: Goat Roper "LP" Com No. 1 OPERATOR Yates Petroleum Corp. LOCATION Section 30-17S-26E, Eddy County, NM SPUD DATE 2-8-80
 COMPLETION DATE 3-9-80 COMPLETION DEPTH 8365-8373' FORMATION Morrow DATE FIRST SALES None to date

OPERATOR WELL NAME WELL LOCATION SPUD DATE (COMPL. DATE)	CROSS SECTION SEGMENT	COMPLETION DEPTH	COMPLETION ZONE	COMMENTS
11. Yates Petroleum Corporation Powell "DG" Com No. 1 Section 35-17S-25E 660' FSL, 1980' FEL 6-14-74 Re: (6-13-75)	VI	6539-6683'	Wolfcamp	The Yates Powell "DG" Com No. 1 has no sands capable of commercial production that correlate with the subject well's completed Morrow reservoir. The Powell "DG" Com No. 1 is located 2.4 miles from the subject well.
12. Yates Petroleum Corporation Arco "EC" State No. 1 Section 36-17S-25E 660' FNL, 2310' FEL 3-20-75 (5-29-75)	VII	8338-65' 7952-78' 6534-6692'	Morrow (5-29-75) Strawn (3-28-79) Permo Penn (7-11-79)	The Arco "EC" No. 1 has a perforated sand body which correlates with the subject well's completed Morrow reservoir. However, on 11-22-78, after producing 4,627,686 mcf, the BHP of 310 (BHP Survey attached), in contrast to the subject well's virgin BHP pressure of 3532, therefore proving no communication with the subject well. The Morrow was abandoned 3-79. The Arco "EC" No. 1 is located 1.2 miles from the subject well.
13. Yates Petroleum Corporation Caskey "EV" No. 1 Section 30-17S-26E 660' FSL, 1400' FNL 11-19-75 (1-14-76)	VIII	8015-8166'	Atoka	The Caskey "EV" No. 1 has no sands capable of commercial production that correlate with the subject well's completed Morrow reservoir. The Caskey "EV" No. 1 is .6 miles from the subject well.
14. Yates Petroleum Corporation Jackson "EM" Com No. 1 Section 25-17S-25E 660' FSL, 1980' FEL 6-15-75 (7-19-75)	VIII	8282-8370'	Morrow	The Jackson "EM" Com No. 1 has a small sand body of very poor quality that may be in the same stratigraphic interval as the subject well's completed Morrow reservoir. However, the Jackson "EM" Com No. 1 is separated from the subject well by the Caskey "EV" No. 1 which is discussed herein and found to have no communication between the Jackson "EM" Com No. 1 and the subject well. The Jackson "EM" Com No. 1 is located 1.2 miles from the subject well.
15. Western Flint No. 2 Section 25-17S-25E 660' FSL, 2310' FNL 6-13-75 (8-14-75)	VIII	8250-60'	Morrow	The Flint No. 2 has a perforated sand body which may correlate with the subject well's completed Morrow reservoir. However, the Flint No. 2 on 11-1-77 had a SITP of 2017.2 psia compared to 2763 SITP of the subject well. The Flint No. 2 is also separated from the subject well by the Jackson "EM" No. 1 and the Caskey "EV" No. 1, both of which have been proven to have no communication with the subject well. The Flint No. 2 is located 1.4 miles from the subject well.

RESERVOIR COMPARISONS - OFFSET WELLS - APPLICATION FOR SEC. 102 NEW RESERVOIR CATEGORY

PAGE

OF

SUBJECT WELL Goat Roper "LP" Com No. 1 OPERATOR Yates Petroleum Corp. LOCATION Section 30-17S-26E, Eddy County, NM SPUD DATE 2-8-80
 COMPLETION DATE 3-9-80 COMPLETION DEPTH 8365-8373' FORMATION Morrow DATE FIRST SALES None to date

OPERATOR WELL NAME WELL LOCATION SPUD DATE (COMPL. DATE)	CROSS SECTION SEGMENT	COMPLETION DEPTH	COMPLETION ZONE	COMMENTS
16. Yates Petroleum Corporation Manseau "EK" Com No. 1 Section 35-17S-25E 660' FNL, 1980' FFL 5-21-75 (6-23-75)	VIII	8003-19'	Strawn	The Manseau "EK" Com No. 1 has no sands capable of commercial production that correlate with the subject well's completed Morrow reservoir. The Manseau "EK" Com No. 1 is located 2.4 miles from the subject well.
17. Western Flint No. 1 Section 25-17S-25E 1980' FSL, 660' FNL 2-6-74 (4-18-74)	IX	6480-6534'	Cinco	The Flint No. 1 has no sands capable of commercial production that correlate with the subject well's completed Morrow reservoir. The Flint No. 1 is located 1.7 miles from the subject well.
18. Yates Petroleum Corporation Gossett "EU" Com No. 1 Section 26-17S-25E 1650' FSL, 1980' FNL 12-1-75 (12-15-75)	IX	6624-44'	Wolfcamp	The Gossett "EU" Com No. 1 has no sands capable of commercial production that correlate with the subject well's completed Morrow reservoir. The Gossett "EU" Com No. 1 is located 2.4 miles from the subject well.
19. Yates Petroleum Corporation Jackson "GM" Com No. 1 Section 24-17S-25E 660' FSL, 1650' FNL 8-27-76 (11-3-76)	X	8120-8278'	Morrow	The Jackson "GM" No. 1 has a perforated sand body that correlates with the subject well's completed Morrow reservoir. However, on 4-14-78, after producing 234,727 mcf, the BHP was 2505 (BHP Survey attached), which is in contrast to the subject well's virgin BHP of 3532, therefore, the Jackson "GM" No. 1 cannot be in communication with the subject well. The Jackson "GM" No. 1 is located 1.7 miles from the subject well. Also, the Jackson "GM" No. 1 producing reservoir is an approved Section 102 ("New" Reservoir).
20. Yates Petroleum Corporation City of Artesia "EQ" Com No. 1 Section 24-17S-25E 1650' FSL, 1980' FFL 8-16-75 (9-18-75) Re: 11-15-75 (11-30-75)	XI	6530-6600'	Wolfcamp	The City of Artesia "EQ" Com No. 1 has no sand capable of commercial production that correlates with the subject well's completed Morrow reservoir. The City of Artesia "EQ" Com No. 1 is located 1.7 miles from the subject well.

RESERVOIR COMPARISONS - OFFSET WELLS - APPLICATION FOR SEC. 102 NEW RESERVOIR CATEGORY

PAGE 1 OF 1

SUBJECT WELL Goat Roper "LP" Com No. 1 OPERATOR Yates Petroleum Corp. LOCATION Section 30-17S-26E, Eddy County, NM SPUD DATE 2-8-80
COMPLETION DATE 3-9-80 COMPLETION DEPTH 8365-8373' FORMATION Morrow DATE FIRST SALES None to date

OPERATOR WELL NAME WELL LOCATION SPUD DATE (COMPL. DATE)	CROSS SECTION SEGMENT	COMPLETION DEPTH	COMPLETION ZONE	COMMENTS
-------------------------------------------------------------------	--------------------------	---------------------	--------------------	----------

NOTES:

"Commercial" is defined as under the NGPA FERC Regulation's definition of "Production in Commercial Quantities".

Drilled and abandoned (D&A) wells are automatically excluded from new reservoir consideration since no completion attempt was made and natural gas could not have been produced in commercial quantities prior to April 20, 1977.

SOURCES OF DATA:

- Pressure bombs run on wells. Records kept in operator's well files.
- Shut-in tubing pressure data from operator's records and from Annual Report of New Mexico Oil and Gas Engineering Committee Yearbook.
- Monthly and cumulative production data from New Mexico Oil & Gas Engineering Committee Annual Reports.
- Producing rates and flowing tubing and line pressures from operator's daily reports submitted by operator's pumpers on file in operator's offices.
- Completion cards.

All wells located in Eddy County, New Mexico.



P. O. BOX 787
ARTESIA, NEW MEXICO 88210
Phone 746-3281

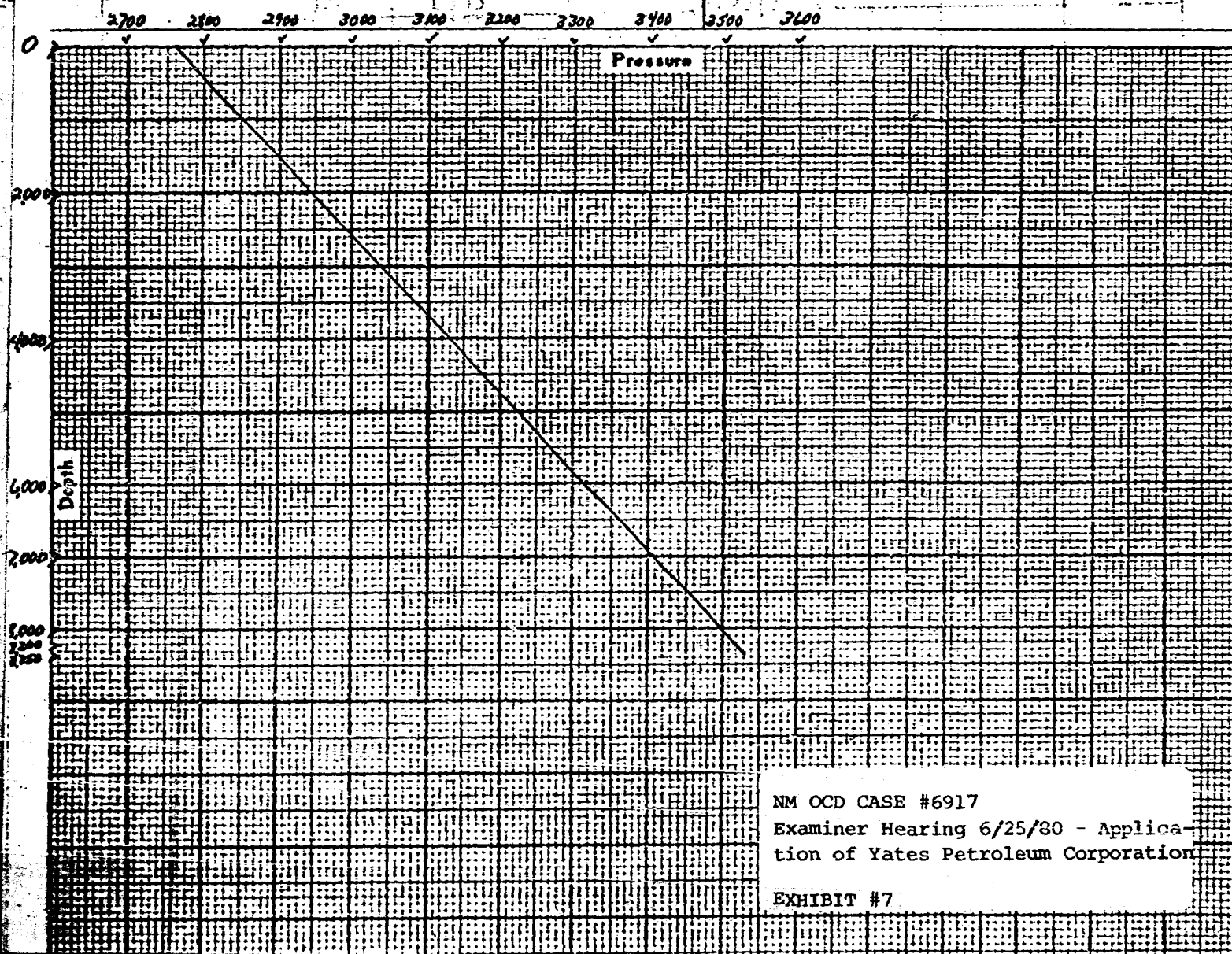


BOTTOM HOLE PRESSURE SURVEY REPORT

CHART READINGS:

OPERATOR YATES PETROLEUM CORP.
LEASE GOAT ROPER "LP"
WELL NO. # 1
FIELD ATOKA-MORROW
DATE 3-15-80 TIME 0245
STATUS SHUT IN TEST DEPTH 8,350
TIME S.I. 1035 LAST TEST DATE 3-10-80
3-10-80 BHP LAST TEST _____
TUB. PRES. 2,763 BHP CHANGE _____
ELEV. _____ FLUID TOP _____
DATUM _____ WATER TOP _____
TEMP 146 RUN BY D. SPENCER
CLOCK NO. _____ GAUGE NO. _____
ELEMENT NO. RPG3#43798, 0-7,000 Lb. Range

DEPTH	PRESSURE	GRADIENT
0	2,763	
2,000	2,939	8.8
4,000	3,120	9.0
6,000	3,319	9.9
7,000	3,408	8.9
8,000	3,502	9.4
8,200	3,519	8.5
8,350	3,532	8.8



NM OCD CASE #6917

Examiner Hearing 6/25/80 - Application of Yates Petroleum Corporation

EXHIBIT #7

COMPANY	WELL	D.A.T.	DATE PROD.	TIME PROD.	1.2. PRESS	1.1. PRESS.	PREVIOUS TEST	PIPE
NAME	WELL	D.A.T.	DATE (1977)	TIME (P.M.)	PSIG	PSIG	P-132, (DATE 1976)	SIZE
MILLER OIL COMPANY								
New Post. U	1 H	36-22-37	6-26	48/00	100	913.2	None	
SAVOGAH OIL CORPORATION								
Forma A	3 P	14-22-37	9-6	72/00	64	603.2	603.2 8-31	EPC
"	4 I	"	"	"	640	473.2	372.2 "	"
"	5 B	"	"	"	710	723.2	573.2 "	"
MILL OIL COMPANY								
Apge "A"	5 F	22-21-37	6-6	24/00	68	201.2	706.2 9-17	
Bismell	3 F	4-22-37	"	"	"	303.2	7-4	EPC
"	4 C	"	6-1	Operator working on well	"	469.2	7-4	"
Bartho	1 A	72-21-37	6-6	24/00	225	236.2	318.2 9-16	
State Box. 16	4 H	72-21-37	"	"	276	209.2	373.2 9-20	
Turner	12 K	"	"	"	"	294.2	6-16	EPC
"	15 B	"	7-11	72/00	260	273.2	309.2 "	"
JOHN PETROLEUM COMPANY								
Winton	13 L	12-22-37	7-21	60/1.5	736	791.2	1141.2 4-26	NO
STOKES, VANCE & BROWN								
Wilson	1 A	21-22-37	7-1	72/00	816	632.2	1254.2 9-29	
BRINKLEY OIL CO., INC.								
Grinkard	1 I	30-22-38	9-13	72/00	633	643.2		
"	1 R	"	5-20	72/1.5	642	656.2	663.2 3-1	NO
"	2 L	"	6-14	72/00	632	635.2	866.2 4-22	EPC
Grinkard Estate	4 H	23-22-37	5-6	"	662	675.2		
"	5 G	"	"	"	572	535.2	473.2 3-12	"
Gulf Side	1 P	"	5-20	72/1.3	609	622.2	1193.2 2-27	NO
JOHN OIL COMPANY								
Iva Duane	11 D	3-22-37	9-20	48/00	360	373.2	378.2 9-14	
"	37 C	"	"	"	400	413.2	456.2 "	
TEXAS PACIFIC OIL COMPANY, INC.								
Boyd	3 B	23-22-37	"	"	"	643.2	445.2 9-10	
Mill Cozy	8 L	22-22-37	9-13	24/00	670	276.2	1009.2 10-27	
Elklett A-15	2 J	15-22-37	9-11	24/00	263		503.2 9-10	
Elklett B	9 C	9-22-37	"	"	"	373.2	605.2 10-28	NO
"	3 D	"	9-13	"	360	304.2	1119.2 10-27	
"	4 C	"	5-19	60/1.3	373	1340	1024.2 9-25	
"	9-12	20	12-22-37	9-17	24/00	723	687.2 10-27	
"	9-16	10	13-22-37	8-6	24/00	723	831.2 6-15	
"	4 A	"	9-15	"	315	308.2	1133.2 10-28	
Walden	7 D	15-22-37	9-6	"	"			
WILBURN, BRUCE								
Edna	2 A	26-22-37	7-20	75/00	597	610.2	718.2 7-14	NO
WISER OIL COMPANY, THE								
Source "A"	3 D	5-22-37	Exempt	"	"	615.2	7-6	
"	4 H	32-21-37	5-18	Exempt	"	606.2	3-25	NO
"	3 R	32-21-37	Exempt	"	"	496.2	11-8	
WYNN, W. B.								
Source	2 C	5-22-37	9-6	24/00	405	418.2	46	
L.C. Grizzell	3 A	6-22-37	9-1	72/00	320	333.2	340.2 7-6	
PETROLEUM CORPORATION OF OKLAHOMA								
Townsee Federal	1 H	12-26-37	9-27	72/00	20	33.2	1325.2 9-13	EPC
YATES PETROLEUM CORPORATION								
Artesia Airport C	1 H	11-17-25	6-16	10 Days	690	703.2	648.2 7-12	
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YATES PETROLEUM CORPORATION								
Artesia Airport C	1 H	11-17-25	6-16	10 Days	690	703.2	648.2 7-12	
YATES PETROLEUM CORPORATION								
Artesia Airport C								



227 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 746-3458

S. P. YATES
PRESIDENT
MARTIN YATES, III
VICE PRESIDENT
JOHN A. YATES
VICE PRESIDENT
B. W. HARPER
SEC. TREAS.

March 6, 1978

Mr. Joe D. Ramey, Secretary-Director
New Mexico Oil Conservation Commission
Drawer 2088
Santa Fe, New Mexico 87501

Re: Downhole Commingling,
Armstrong CT

Dear Mr. Ramey:

Yates Petroleum Corporation, Artesia, New Mexico, Operator of the Armstrong CT Com #1, Unit L Section 5-T18S-R262, a proposed multiple completion in the East Eagle Creek - Atoka Morrow and the Eagle Creek Strawn, seeks administrative approval for downhole commingling. Precedent for the multiple completion and downhole commingling of the Eagle Creek Strawn and East Eagle Creek Atoka-Morrow was established in our Caskey EV #1, N-30-17S-262, pursuant to NMOCC Order R5460.

Currently the Atoka-Morrow completion is flowing 30-50 mcfpd, varying with line pressure. The 24 hour shut in tubing pressure on 8/16/77 was 1051 psig, down 191 psi from the 7/20/76 SITP of 1242 psig. The present bottomhole pressure is estimated at 1315 psig.

Decline curves are attached showing the production history of the Atoka-Morrow completion.

The calculations for the allocation of future (commingled) production are based on the porosity feet and saturation determinations from the Electric logs, corrected for the state of depletion, data attached:

East Eagle Creek Atoka-Morrow -	79%
Eagle Creek Strawn -	21%

D. Ramey
March 6, 1978

There is no water production and the hydrocarbon fluids are compatible. However, a standing valve will be placed in the Atoka packer at its present setting @3273, the tubing will be removed from the on-off tool, the Strawn perforated at 8150-56 and 8123-25, tubing and packer run to about 8100' and the Strawn acidized for new production.

Commingling the several zones will conserve a natural resource and prevent waste by allowing a greater recovery at the same operating costs and without extra facilities or extra fuel consumption.

Yours truly,

YATES PETROLEUM CORPORATION

Eddie Mahfood
Eddie Mahfood
Engineer

EM/ob
Enclosure

PRODUCTION DATA - IN PROGRESS (CONT'D.)

COMPANY	WELL	DATE	PROD.	TIME	S.I.	S.I.	PREV. TEST	TYPE
(FAC)	UNIT	1979	1979	1979	1979	1979	1979	1979
WILLIS OIL CO., INC.								
Belmore	1 F	30-22-30	8-20	22/00	422	435.2	424.2	9-25 EPG
"	1 H	"	8-15	89/0.8	483	496.2	463.2	4-6 NM
"	2 L	"	8-20	12/00	372	335.2	491.2	9-25 EPG
Belmore Estate	4 H	25-22-37	8-21	"	719	932.2	607.2	9-10 "
"	5 C	"	"	"	716	725.2	430.2	" EPG
Gulf Slope	1 F	"	8-14	700/00	510	823.2	631.2	4-6 NM
WILLIS OIL CO., INC.								
Willis Cady	6 L	22-22-37	8-21	24/00	700	213.2	430.2	8-22
Elliot A-15	2 J	15-22-37	"	"	150	163.2	152	"
Elliot B-9	3 D	9-22-37	"	"	150	173.2	783	8-25
"	4 C	"	8-10	71/0.5	305	319.2	344.2	4-10 NM
Elliot B-12	2 D	12-22-37	8-22	24/00	600	813.2	683	8-22
Elliot B-15	1 B	15-22-37	"	"	190	203.2	313	"
"	4 A	"	"	"	340	353.2	300	8-22
"	7 B	"	"	"	325	336.2	333	8-22
WILSON & SONS								
Weldon	1 A	21-22-37	8-2	24/00	600	613.2	616	11-20 EPG
Weldon	2 A	26-22-39	8-31	73/0.3	462	475.2	573.2	8-14 NM
WILSON OIL COMPANY, INC.								
Weldon	4 H	32-22-37	8-1	72/0.5	150	164.2	25.2	8-15 NM
Weldon	3 A	8-22-37	"	"	"	"	305.2	7-25

PETROLEUM CORPORATION OF DELAWARE

Tenneco Federal	1 H	12-26-37	4-3	72/00	252	265.2	53.2	4-11 EPG
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J. C. BARNES OIL COMPANY

Big End of Con	1 F	22-22-28	7-19	24/00	1627	1640.2	"	New Well
"	2 H	"	5-3	72/00	1564	1577.2	"	"
"	3 J	21-22-28	5-15	96/00	4181	4194.2	"	"
Little Square Con	1 F	27-22-28	7-19	24/00	2141	2154.2	"	"

VATES PETROLEUM CORPORATION

Artale Airport CF	1 H	11-17-25	8-1	24/00	640	653.2	604.2	8-17
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VATES PETROLEUM CORPORATION

Arco EC St.	1 B	35-17-25	8-3	24/00	655	666.2	220.2	8-24
Armstrong CT Con	1 L	5-18-26	"	"	1563	1576.2	1076.2	8-22
Cainey TV Con	1 H	30-17-26	"	"	"	"	965.2	8-25
City of Artesia EQ Con	1 J	24-17-25	8-29	24/00	280	293.2	773.2	8-25
Malderman EN Con	1 E	31-17-28	5-9	"	1289	1302.2	1463.2	"
Ingram Jackson "BY"	7 E	26-17-25	8-9	132/00	1830	1843.2	Initial	"
Jackson "AT" Con	9 H	13-17-25	8-20	96/00	1360	1373.2	"	"
"	1 C	25-17-25	8-27	"	270	283.2	293.2	8-24
"	1 H	24-17-25	8-24	"	690	703.2	1213.2	8-25
Lanning "CC" Con	1 B	7-18-26	8-3	"	1570	1583.2	1613.2	"
Pittsfield 18 Con	2 H	23-17-25	8-5	Res.	380	393.2	1902.2	9-1
Patterson "CL"	2 H	31-17-26	8-5	96/00	2375	2388.2	Initial	"
Vates & Fed.	2 E	6-18-26	5-11	24/00	1020	1033.2	1053.2	7-15

VATES PETROLEUM CORPORATION

City of Artesia EQ Con	1 J	24-17-25	"	"	"	"	773.2	8-24
Fed. "B2" Con	12 K	21-17-25	8-3	24/00	660	673.2	1577.2	8-17
Fed. "CR" Con	1 H	29-17-25	"	"	"	"	1819.2	"
Fed. "CX" Con	1 H	7-18-25	"	"	"	"	Initial	"
"	2 L	"	8-30	24/00	1690	1703.2	1308.2	8-17
Fed. CI	1 B	6-18-25	"	"	"	"	919.2	8-30
Fed. CF Con	1 B	6-18-25	"	"	"	"	"	"
Fed. "CC" Con	1 P	32-17-25	8-25	24/00	740	753.2	1075.2	8-30
Cable TV Con	1 H	29-17-25	"	"	"	"	1394.2	"
Consett EU	1 K	26-17-25	"	"	"	"	616.2	"
Phonema EX Con	1 C	35-17-25	"	"	"	"	1143.2	"
Phonema EV Con	1 P	27-17-25	"	"	"	"	7210.2	"
Phonema DC Con	1 D	35-17-25	"	"	"	"	866.2	"
Phonema FB Con	1 E	34-17-25	"	"	"	"	1745.2	8-17
State CY	1 K	32-17-25	"	"	"	"	1673.2	7-13
Phonema NE Con	1 H	4-18-25	"	"	"	"	1883.2	9-2
Calvin JJ Con	1 F	"	"	"	"	"	1756.2	8-17
Fed. CR Con	1 E	25-17-24	"	"	"	"	1645.2	8-15
"	2 B	5-18-25	"	"	"	"	"	"

FASHEW, DAVID

Vates "6" Fed.	1 L	6-18-26	8-13	24/00	1200	1213.2	1800.2	8-30 NPT
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VATES PETROLEUM CORPORATION

Arco EC St.	2 J	36-17-25	8-24	24/00	1052	1065.2	1219.2	8-25
Armstrong CT Con	1 L	5-18-26	8-3	"	1563	1576.2	2259.2	8-27
Cainey TV Con	1 H	30-17-26	8-5	96/00	680	693.2	964.2	8-25
Fed. B2 Con	12 K	21-17-25	8-3	24/00	660	673.2	716.2	8-9
Fed. CC Con	1 P	32-17-25	8-7	"	840	853.2	1115.2	8-30
Fed. "CR" Con	1 E	25-17-24	8-22	"	815	828.2	"	"
Consett "CR"	1 K	17-18-25	8-29	"	805	818.2	"	"
Phonema "EX" Con	1 C	35-17-25	8-9	"	500	513.2	"	"
Patterson CL	1 H	31-17-26	8-24	"	1105	1118.2	1533.2	8-25
State CY	1 K	32-17-25	8-31	"	766	779.2	1745.2	8-17

SABINE PRODUCTION COMPANY

North Edison FU	1 H	34-15-34	"	"	"	"	223.2	7-20
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SABINE PRODUCTION COMPANY

L. Empire Deep Unit	1 F	6-18-29	8-30	24/00	700	713.2	807.2	8-31
"	2 K	"	"	"	1200	1213.2	1350.2	8-30
"	"	21-17-29	8-15	"	731	744.2	796.2	8-31
"	5 C	"	8-20	"	1730	1743.2	"	"
"	6 B	1-18-28	8-15	"	1480	1493.2	1803.2	7-20
"	10 E	"	8-20	"	1250	1263.2	"	"
"	13 K	5-18-29	"	"	1250	1263.2	2133.2	7-20
"	14 G	"	8-18	"	350	363.2	"	EPG
"	15 E	8-18-29	"	"	1870	1883.2	"	"
"	16 G	2-18-29	"	"	1955	1968.2	"	"

COPY
Exp. 1/1/80
down



BENNETT WIRE LINE SERVICE

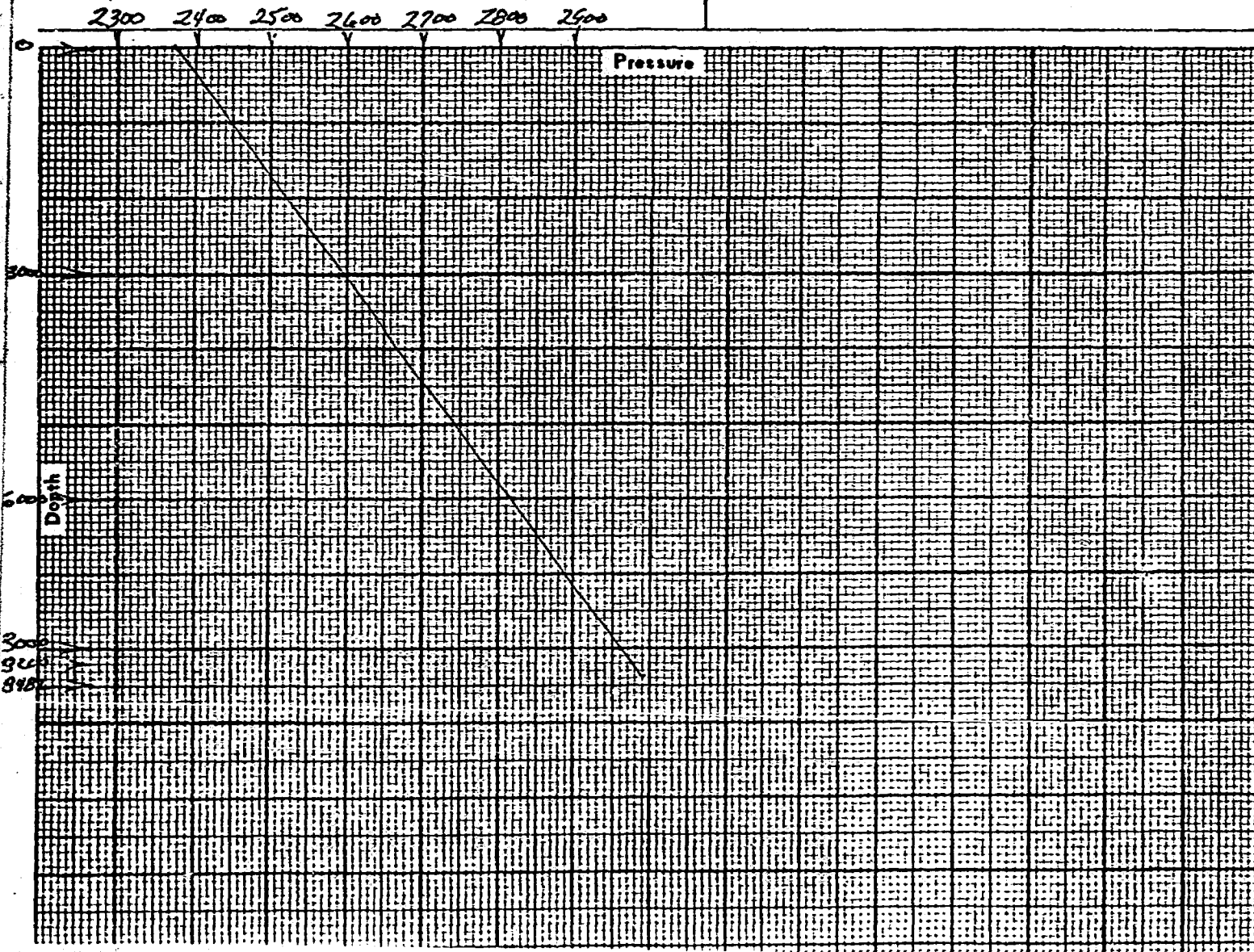
P. O. BOX 787
ARTESIA, NEW MEXICO 88210
Phone 746-3281



BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR Yates Petroleum Corp.
LEASE Patterson "SI"
WELL NO. 2
FIELD _____
DATE 7/31/79 TIME 8:00 PM
STATUS Shut-in TEST DEPTH 8482 Ft.
TIME S.I. _____ LAST TEST DATE _____
CAS. PRES. _____ BHP LAST TEST _____
TUB. PRES. 2375 Lbs. BHP CHANGE _____
ELEV. _____ FLUID TOP None
DATUM _____ WATER TOP Billy Joe
TEMP 148°F RUN BY _____
CLOCK NO. _____ GAUGE NO. _____
ELEMENT NO. 6000

DEPTH	PRESSURE	GRADIENT
		Lbs./100 Ft.
0 Ft.	2375 Lbs.	-
3000	2589	7.1
6000	2816	7.5
8000	2960	7.2
8200	2975	7.5
8482	2991	5.6





BENNETT WIRE LINE SERVICE

P. O. BOX 787
ARTESIA, NEW MEXICO 88210
Phone 746-3281

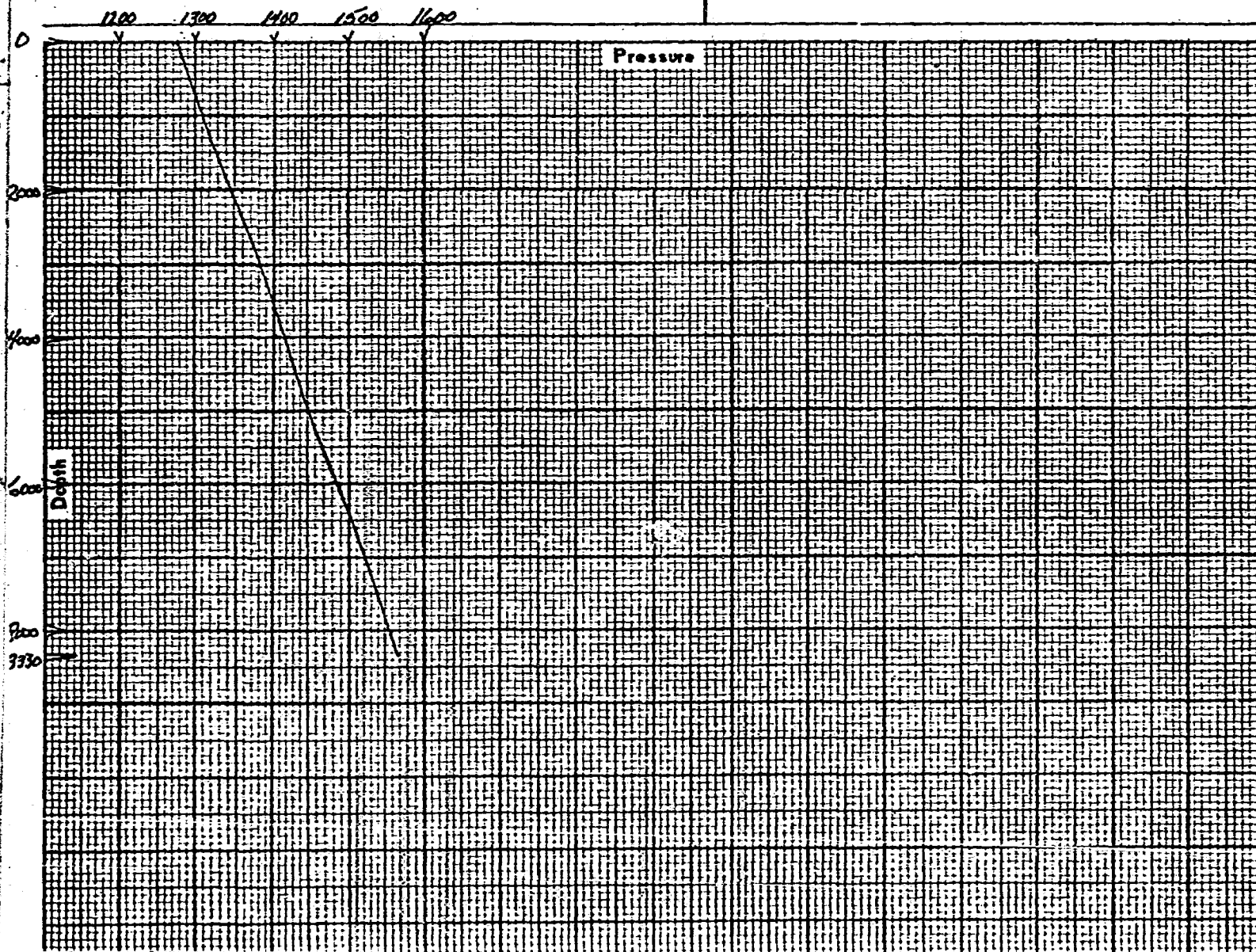


BOTTOM HOLE PRESSURE SURVEY REPORT

*Edolie
Don*

OPERATOR Yates Petroleum Corp.
LEASE Haldeman "EN"
WELL NO. 1
FIELD _____
DATE 5/9/79 TIME 11:45 A.M.
STATUS Shut-in TEST DEPTH 8330 Ft.
TIME S.I. _____ LAST TEST DATE _____
CAS. PRES. _____ BHP LAST TEST _____
TUB. PRES. 1276 BHP CHANGE _____
ELEV. _____ FLUID TOP None
DATUM _____ WATER TOP _____
TEMP 140° RUN BY Billy Joe
CLOCK NO. _____ GAUGE NO. _____
ELEMENT NO. 43798

DEPTH	PRESSURE	GRADIENT
		Lbs./100 Ft.
0 Ft.	1276 Lbs.	
2000 "	1331 "	3.9
4000 "	1402 "	3.5
6000 "	1480 "	3.9
8330 "	1569 "	3.8

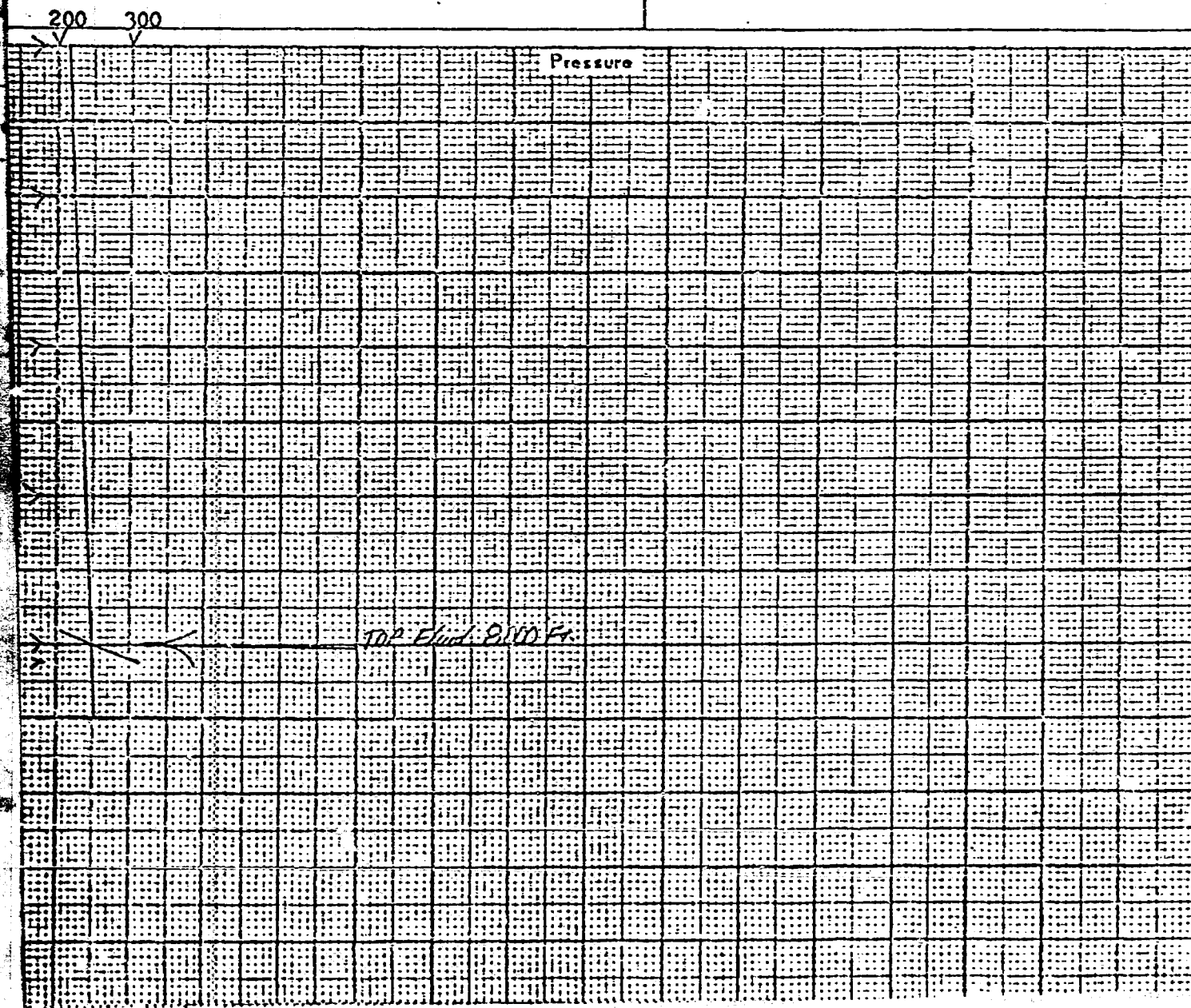


Bennett Wire Line Service
305 McArthur Ave. Ph. (505) 746-3281
Artesia, New Mexico - 88210

BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR Yates Petroleum Corp.
LEASE Arco States "EC"
WELL NO. #1
FIELD _____
DATE 11/22/78 TIME 4:00 P.M.
STATUS Shut-in TEST DEPTH 8250 Ft.
TIME S.I. _____ LAST TEST DATE _____
CAS. PRES. _____ BHP LAST TEST _____
TUB. PRES. 216 BHP CHANGE _____
ELEV. _____ FLUID TOP 8000 Ft.
DATUM _____ WATER TOP _____
TEMP _____ RUN BY Cathey
CLOCK NO. _____ GAUGE NO. _____
ELEMENT NO. 499

DEPTH	PRESSURE	GRADIENT
		Lbs./100 Ft.
0 Ft.	216 Lbs.	
2000 "	220 "	0.2
4000 "	230 "	0.5
6000 "	240 "	0.5
8000 "	250 "	0.5
8250 "	310 "	24.0

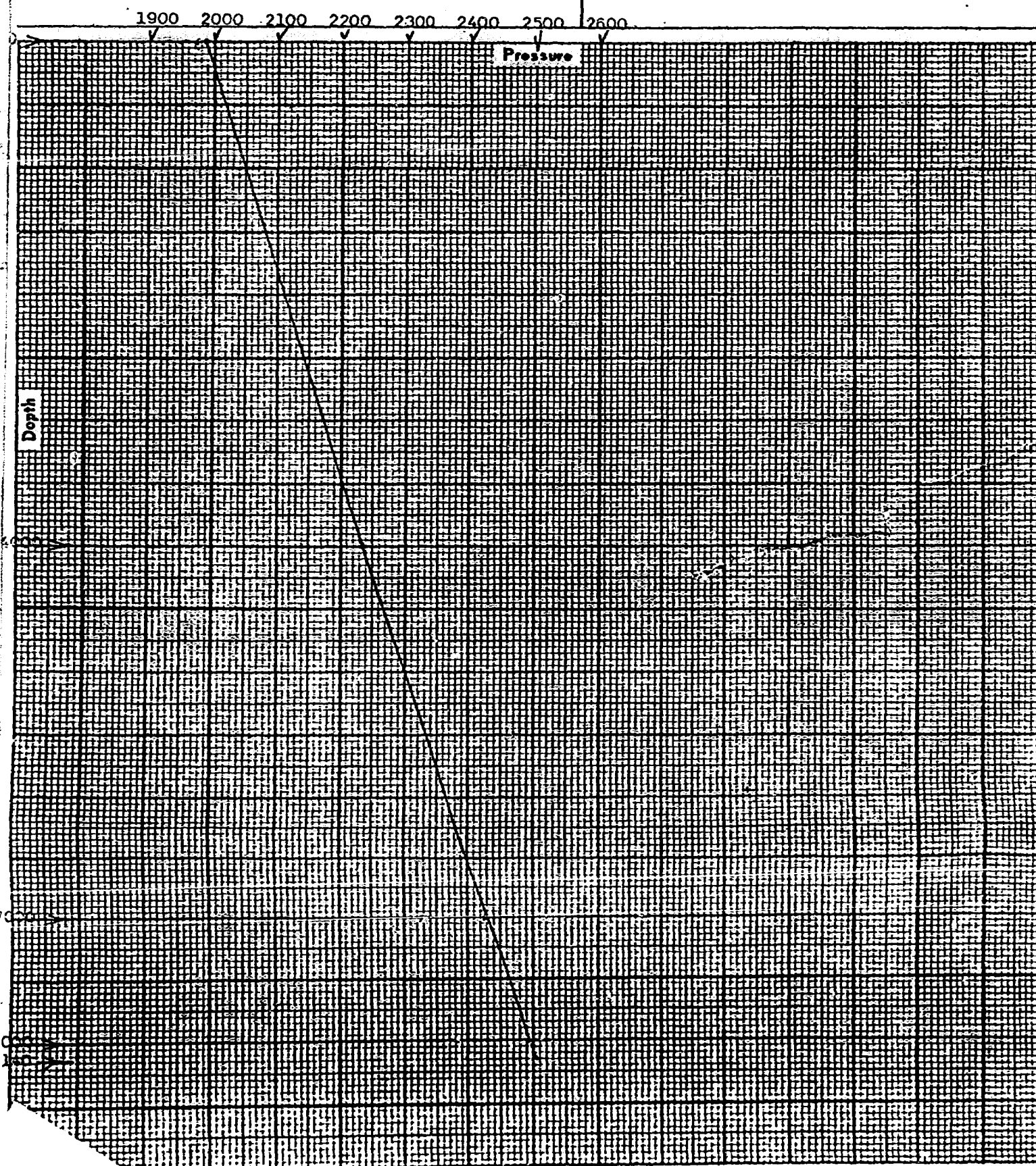


Bennett Wire Line Service
305 McArthur Ave. Ph. (505) 746-3281
Artesia, New Mexico - 88210

BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR YATES PET. CORP.
LEASE Jackson "GM"
WELL NO. 1
FIELD _____
DATE 4/14/78 TIME _____
STATUS Shut-in TEST DEPTH 8140 Ft.
TIME S.I. 5:31 77 LAST TEST DATE _____
CAS. PRES. _____ BHP LAST TEST _____
TUB. PRES. 1988 Lbs. BHP CHANGE _____
ELEV. _____ FLUID TOP None
DATUM _____ WATER TOP _____
TEMP BH.150 RUN BY Bennett
CLOCK NO. _____ GAUGE NO. _____
ELEMENT NO. 18149

DEPTH	PRESSURE	GRADIENT Lbs./100 Ft.
0 Ft.	1988 Lbs.	
4000 "	2235 "	6.2
7000 "	2429 "	6.5
8000 "	2494 "	6.5
8140 "	2502 "	5.7
<u>8149</u>	<u>2505</u>	



EDDY COUNTY NEW MEXICO EAGLE CREEK FIELD
 Well: MADRON ENERGY CORP. 1 Martin Com. "1" — — — — — Result: GAS DG - 1
 Loc'n: 1 mi S/Artesia; 1980' FSL 660' FWL Sec 29-17S-26E;
 Spnd: 2-10-77; Comp: 5-23-77; Elev: 3401' Gnd; TD: 8600' Miss; PB: 8010'
 Casing: 13-3/8" 349' 7400 sz; 8-5/8" 1376' 1200 sz; 4-1/2" 8600' 7925 sz;
 Prod. Zone: (Strawn) T/Pay 7919', Prod thru Peris 7919-24'
 Perf: 87 MCFCPD, 1/4" ch, COR TSTM, Grav NR, CP Pkr, TP 45#
 Comp Infr: Ran CNL, DILL, PDC; Perf (Morrow) 8363-67' w/2 SPF; A/1600 gals; PB
 8010', Perf (Strawn) 7919-24' w/2 SPF; A/1600 gals; F/160 MCFCPD, 1/4" ch,
 Fine w/12,000 gals + 10,000# sd; F/87 MCFCPD, 1-1/2" ch, TP 2050#; A/
 750 gals; F/170 MCFCPD, 1/4" ch; C/KMA Drig.
 Tops: (EL) San Andres 845', Glorieta 2283', Abo 4237', Wolfc 5400', Canyon
 7368', Strawn 7611', Anola 8045', Morrow 8300', Mississippian 8566'
 API No: 30-015-22046
 Replaces Card #9, Dated 11-16-77 to show correct results & field name;

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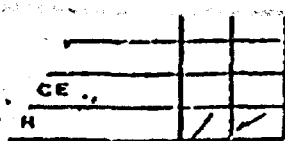
Petroleum Information
 A Division of H.C. Potter Company

Date: 8-16-78

Card No: 32

bc

NM OCD CASE #6917
 Examiner Hearing 6/25/80 - Applica-
 tion of Yates Petroleum Corporation
 EXHIBIT #5



WELL COMPLETION OR RECOMPLETION REPAIR AND LOG

RECEIVED

JUN 29 1978

TYPE OF WELL

TYPE OF COMPLETION

NEW WELL ☐WORK OVER ☐DEEPEN ☐PLUG BACK ☒DIFF. DESIGN ☒OTHER ☐

O.C.C.

Name of Operator

Yates Petroleum Corporation

Address of Operator

207 South 4th Street - Artesian, NM 88210

Location of Well

NE CORNER L LOCATED 1980 FEET FROM THE South LINE AND 660 FEET FROM

West LINE OF SEC. 5 TWP. 18S RGE. 26E

Eddy

Date Spudded
6-3-7315. Date T.D. Reached
7-2-7317. Date Compl. (Ready to Prod.)
6-22-7818. Elevations (D.F., R.H.B., R.F., G.L., etc.)
3397' KB

19. Elev. Casings

Total Depth
886521. Plug back T.D.
8312'

22. If Multiple Compl., How Many

23. Intervals Drilled By
0-8865

24. Casing Tools

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

8122-26' & 8050-56' Strawn

25. Was Directional Sur Made

No

Type Electric and Other Logs Run

CNL/FDC, DLL

27. Was Well Cased

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"	48#	504'	17 1/2"	400 SX	
8-5/8"	24#	1318'	12 1/2"	700 SX	
4 1/2"	11.6&10.5#	8825'	7-7/8"	275 SX	

LINER RECORD

28.

TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	8087'	8091'

Perforation Record (Interval, size and number)

8122-26' (8 holes)

8050-56' (12 holes) (Total 20 .34" holes)

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

DEPTH INTERVAL

AMOUNT AND KIND MATERIAL USED

8122-26&8050-

8056'

1500 gal 15% DS-30 Acid

PRODUCTION

Date First Production 6-22-78		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing	
Date of Test 6-22-78	Hours Tested 24	Choke Size 1/2"	Prod'n. For Test Period	Oil - bbl. 800	Gas - MCF 800	Water - bbl.	Gas - Oil Ratio
Flow Tubing Press. 130	Casing Pressure Pkr	Calculated 24-Hour Rate	Oil - bbl. 800	Gas - MCF 800	Water - bbl.	Oil Gravity - API (Corr.)	
Disposition of Cox (Sold, used for fuel, vented, etc.) Sold						Test Witnessed By H. Apple	

List of Attachments

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 Ambrose

TITLE

Geol. Secty

DATE

6-28-78

RECEIVED	
DIVISION	
OFFICE	
STATION	

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

Form C-105
Revised 1-1-65

AUG 30 1973

50. Indicate Type of Lease
State ☐ Fee ☒
5. State Oil & Gas Lease No.

TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐ **O. C. C.**
TYPE OF COMPLETION
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RECVR. ☐ OTHER ☐
ARTESIA, OFFICE

1. Name of Operator
Yates Petroleum Corporation

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

3. Location of Well
NE 1/4 Sec. 5 Twp. 18S Rge. 26E NMPAL
LOCATED **1980** FEET FROM THE **South** LINE AND **660** FEET FROM

4. West LINE OF SEC. 5 TWP. 18S RGE. 26E NMPAL

15. Date Spudded **6-3-73** 16. Date T.D. Reached **7-2-73** 17. Date Compl. (Ready to Prod.) **8-17-73** 18. Elevations (DF, RKB, RT, GR, etc.) **3412 KB** 19. Elev. Casinghead **3597**

20. Total Depth **8865** 21. Plug Back T.D. **8825** 22. If Multiple Compl., How Many **0-8865** 23. Intervals Drilled By **Rotary Tools** Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name
8381-8619 25. Was Directional Survey Made **No**

26. Type Electric and Other Logs Run
Dual Laterlog, CNL, FDC 27. Was Well Cored **NO**

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	MOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	504'	17 1/2"	400 SX	
8-5/8"	24#	1318'	12 1/2"	700 SX	
4 1/2"	11.6&10.5#	8825'	7-7/8"	275 SX	

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2-3/8"	8351
						8269

31. Perforation Record (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
8455-60 - 10 shots Re-perf. 8381-8387-5shots; 8499-8503-5 shots; 8566-8567-2 shots; 8616-8619-4 shots.	DEPTH INTERVAL 8455-60 8381-8619 AMOUNT AND KIND MATERIAL USED A/C w/1000g 15% MS w/1# / g Nitrogen, 20 bbls KCl wtr SF w/25000# 20-40 sd & 25000g MS gel wtr.

33. PRODUCTION
Date First Production **8-17-73** Production Method (Flowing, gas lift, pumping - Size and type pump) **Flowing** Well Status (Prod. or Shut-in) **SI WOPL connection**

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas-Oil Ratio
8-18-73	8			0	370	0	-
Flowing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
125	Pkr		TSTM	1110	0	-	

4-Point will be taken when Pipeline connection is made

DST's and 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.

Richard L. Lutz

TITLE **Engineer**

DATE **8-30-73**

OFFICE	
DATE	

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

RECEIVED

FEB 28 1979

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. Estimate Type of Lease State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>	
2. TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> ABT <input type="checkbox"/> A. C. C. <input type="checkbox"/> RESUR. <input type="checkbox"/> OTHER <input type="checkbox"/>		6. State Oil & Gas Lease No.	
3. Name of Operator Xates Petroleum Corporation		7. Unit Agreement Date	
4. Address of Operator 207 South 4th Street - Artesia, NM 88210		8. Name of Lease Estate Patterson EL	
9. Location of Well LETTER <u>N</u> LOCATED <u>660</u> FEET FROM THE <u>South</u> LINE AND <u>2310</u> FEET FROM <u>West</u> LINE OF SEC. <u>31</u> TWP. <u>17S</u> RGE. <u>26E</u>		9. Well No. 2	
10. Date Spudded 12-28-78		10. Field and Pool, or Wildcat E. Bagle Cr Atoka Morrow	
11. Date T.D. Reached 1-30-79		11. Elevation (dF, RML, RL, GR, etc.) 3422' GR	
12. Date Compl. (Ready to Prod.) 2-15-79		12. Elev. Casinghead 0-8942'	
13. Total Depth TD 8942'		13. Plug Back T.D. 8928'	
14. Producing Interval(s) of this completion - Top, Bottom, Name 8467-8497' Morrow		14. Intervals Drilled By 0-8942'	
15. Type Electric and Other Logs Run CNL/FDC, DLL		15. Was Directional Survey Made No	
16. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT LB. FT.	DEPTH SET	HOLE SIZE
3-3/8"	48#	360'	17 1/2"
3-5/8"	24#	1274'	12 1/4"
5 1/2"	15.5&17#	8931'	7-7/8"
17. LINER RECORD		18. TUBING RECORD	
SIZE	TOP	BOTTOM	SACKS CEMENT
			SCREEN
			SIZE
			DEPTH SET
			PACKER SET
19. Perforation Record (Interval, size and number)		20. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
8467-8475' w/16 .50" holes (spf)		DEPTH INTERVAL	
8491-8497' w/12. 50" holes (2 spf)		AMOUNT AND KIND MATERIAL USED	
		8467-8497' 1000 g 7 1/2" MSA, 28500#	
		20-40 sand & 21500 g	
		treated fluid	
21. PRODUCTION			
First Production 1-14-79		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing	
22. Test 1-15-79		Well Status (Prod. or Shut-in) SIWOPLC	
Hours Tested 3	Chest Size 1/2"	Prod'n. Per Test Period TSTM	Oil - bbl. 336
Tubing Press. 20#	Casing Pressure Pkr	Calculated 24-Hour Flow 2710	Water - bbl. -
Disposition of Gas (Sold, used for fuel, vented, etc.) Vented - will be sold		Test Witnessed by Harvey Apple	
23. List of Attachments DST			
24. 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 <u>Christine Ambrose</u>		TITLE <u>Geol. Secty</u>	
		DATE <u>2-27-79</u>	

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REV 3443

TO 8710'	POD 8420'
----------	-----------

Herb. from State: Field coll. Eagle Creek Strawn

P.R. 12-17-73

12-31-73 Drlg 3770' lm
1-7-74 Drlg 6682' lm & sh
1-10-74 TD 7140'; Prep Drill Ahead
DST 7106-7140', open 1 hr, GTS in 33 mins @
35 MCFGPD, rec 280' G & Cond CDF + 645' GCW,
1 hr 30 min ISIP 2529#, FP 215-429#, 2 hr
FSIP 2476#
1-21-74 TD 8710'; Prep Run Csg
DST-8198-8246', open 2 hrs, GTS in 32 mins @
316 MCFGPD, rec 188' G & Cond CDM, 1 hr 30 min
ISIP 3000#, FP 88-225#, 4 hr FSIP 3000#

1-21-74 Continued
DST: (Morroco) 8434-88', open 1 hr, GTS in 28 mins @ 47 MEGPD, 1 hr ISIP 1476#, FP 108-108#, 2 hr FSIP 2850#
DST: 8500-50', open 1 hr, GTS in 53 mins @ 36 MEGPD, rec 60' GDNF, 1 hr 30 min ISIP 3135#, FP 42-37#, 2 hr FSIP 3418#
1-30-74 TD 8710'; WOUU
2-5-74 TD 8710'; PBD 8420'; Tatg
Poriz (Atoka) 8231-41' w/4 SPF
Acid (8231-41') 1000 gals
Flwd @ 783 MEGPD thru 3/4" chk, FTP 41#
2-11-74 TD 8710'; PED 8420'; SI PBU

2-20-74 TD 8710'; PED 8420'; Tstg
Flwd 624 MCFGPD thru 3/4" chk, FTP 30#
2-26-74 TD 8710'; PED 8420'; SI BPU
3-2C-74 TD 8710'; PED 8420'; WO Pot
3-25-74 TD 8710'; PED 8420'; COMPLETE
(Atoka) FOUR POINT GAGES:
Flwd 144 MCFGPD, 1/16" chk, 1 hr, TP 1480#
Flwd 225 MCFGPD, 3/32" chk, 1 hr, TP 1091#
Flwd 248 MCFGPD, 1/8" chk, 1 hr, TP 660#
Flwd 570 MCFGPD, 3/16" chk, 1 hr, TP 674#
LOG TOPS: San Andres 873', Glorieta 2323',
Abo 4234', Wolfcamp Lime 5677', Pennsylvanian
Lime 7008', Canyon 7408', Strawn 7794', Atoka
8224', Morrow 8446', Mississippian Lime 8660'

3-30-74 COMPLETION REPORTED

EDDY
YATES PETROLEUM CORP.
1
Sec 31, T. 17-S, R-26-E
880' FSL, 660' FWL of Sec
3 mi S/Artesia
8-15-75

Wildcat
30-015-21606
12-3-4 NM

Patterson "EL"

10-8-75

DATE	TIME	DEPTH	TEMP	WPD
8-15-75	10-8-75	3442'	GL	8625' RT

13 3/8" at 360' w/250 sx
18 5/8" at 1269' w/600 sx
4 1/2" at 8590' w/375 sx

8640' (CSTR) 8080'

TP (Strawn) Perfs 8002-30' F 1320 MCF/GPD. Pot based on 3 hr
test thru 1/2" chk. GOR Dry; TP 215#

Ard #4

12-20-75 F.R. 8-18-75
(Morrow)
AMEND FIELD NAME: Formerly reported as
Undesignated
TD 1270'; WOC
8-18-75 Drlg 5300'
8-26-75 Drlg 7946'
9-3-75 "Tight"
9-22-75 TD 8640'; PBD 8590'; "Tight"
10-21-75 DST (Morrow) 8348-8478', open 1 hr 30 mins,
rec 365' DM, 1 hr ISIP 451#, FP 132-132#, 4 hr
FSIP 1014#, HP 3944-3905#, BHT 139 deg
11-17-75 TD 8640'; PBD 8080'; Complete (Hold for Info)
Perf (Strawn) 8092-96' w/17 shots
Acid (8092-96') 1000 gals

12-3-4 NM

EDDY
YATES PETROLEUM CORP.
Wildcat
1 Patterson "EL"
Sec 31, T17S, R26E

NM
Page #2

11-17-75 Continued
Subd SW w/small show gas (8092-96')
BP @ 8080'
Perf (Strawn) 8002-08', 8024-30' w/4 SPF
Acid (8002-30') 16,000 gals
12-15-75 TD 8640'; PBD 8080'; Complete
Strawn Discovery, No Suggested Field Name
LOG TOPS: San Andres 826', Glorieta 2220',
Abo 4206', Wolfcamp Lime 5381', Strawn
7833', Atoka 8188', Morrow Clastics 8383',
Chester 8586'
12-20-75 COMPLETION ISSUED

12-3-4 NM
IC 30 015 70017 75

F.R. 6-11-73
(Morrow)
9-8-73 AMEND FIELD: Formerly reported as Atoka, W.
7-2-73 Drlg 2455'
7-10-73 Drlg 5463'
7-16-73 Drlg 7430'
DST '6868-6916', open 1 hr, GTS in 12 mins @ est
80 MCFGPD, rec 270' GCM & salt wtr+1280' GC salt
wtr, 1 hr ISIP 2392#, FP 352-625#, 1 hr 30 min
FSIP 2167#, HP 3229-3229#, BHT 180 deg
7-24-73 Drlg 8563' lm & sh
DST '7885-7919', open 1 hr, rec 10' DM, 1 hr
ISIP 225#, FP 50-50#, 1 hr FSIP 364#, HP 3853-3789
BHT 129 deg

7-30-73
TD 8700'; WOCU
DST 8405-66', open 1 hr, GTS in 5 mins @ 11,000
MCFGPD decr 10,500 MCFGPD in 5 mins & stab
@ 9500 MCFGPD in 10 mins, rec 60' distillate
+ 5' mud, 1 hr ISIP 3290#, FP 1102-1287#, 2 hr
FSIP 3290#, BHT 138 deg, HP 4041-4041#

8-6-73
8-13-73
TD 8700'; WOCU
TD 8700'; PBD 8648'; Prep Pot
Perf 8430-40', 8442-45' w/2 SPF
CAOF 4820 MCFGPD

8-20-73
8-27-73
TD 8700'; PBD 8648'; WO Pot
TD 8700'; PBD 8648'; WO Pot

9-5-73 TD 8700'; PBD 8648'; COMPLETE
(Morrow) FOUR POINT GAUGES:
Flwd 1526 MCFGPD, 2.5" Orifice, 2 hrs, TP 2312#
Flwd 2098 MCFGPD, 2.5" Orifice, 2 hrs, TP 2095#
Flwd 2713 MCFGPD, 2.5" Orifice, 2 hrs, TP 1361#
Flwd 3259 MCFGPD, 2.5" Orifice, 2 hrs, TP 1592#
LOG TOPS: San Andres 800', Glorieta 2128', Tubb
3540', Abo 4114', Wolfcamp 5545', Pennsylvanian
6625', Morrow Sand 8345'
Morrow Discovery
COMPLETION REPORTED

9-8-73

P.R. 7-14-75
(Morrow)
AMEND FIELD NAME: Formerly reported as Atoka, W.
9-20-75 Drlg 4140'
7-21-75 Drlg 6770'
7-29-75 Drlg 8160'
8-5-75 TD 8595'; "Tight"
8-11-75 DST (Morrow) 8352-8440', open 1 hr 40 mins, GTS 14
mins @ 295 MCFGPD chru 1/4" chk, SFP 185#, rec 675'
GCM, 1 hr ISIP 3524#, FP 262-414#, 4 hr FSIP 3546#,
NP 3984-3984#, BHT 140 deg
8-18-75 TD 8695'; WOCU "Tight"
9-15-75 TD 8595'; PED 8515'; Complete
Perf (Morrow) 8387-8412' w/4 SPF
Acid (8387-8412') 2500 gals
Frac (8387-8412') 18,000 gals + 36,000# sd
9-3-75 MM

9-3-4 RUM

Undesignated NM
 30-015-21653
 3-2-6 NM

EDDY
 YATES PETROLEUM CORP.
 2 Arco "EC" State
 Sec 36, T17S, R25E
 1980' FSL, 1100' FEL of Sec
 3 mi SW/Artesia

DATE	TIME	DEPTH	TEMP	PRESS	SG	SG
10-16-75	12-2-75	8590' (MSSP)	8157'			

13 3/8" at 372' w/100 sx
 8 5/8" at 1260' w/650 sx
 4 1/2" at 8202' w/270 sx

TP (Strawn) Perfs 7988-96' P 850 MCFCPD. Pot based on 2 hr 30 min test thru 3/4" chk. GOR dry, TP 46#

Artesia 3445' GL, 3462' KB, 8600' RT

F.R. 10-20-75
 (Morrow)
 10-30-75 Drlg 5965'
 11-6-75 TD 8150'; On DST
 DST (Wolfcamp) 6719-6812', open 2 hrs 20 mins, CTS
 in 15 mins @ TSIM, rec .64 CF gas + 1900 cc's SW
 @ 400# in Sampler, 1 hr ISIP 2312#, FP 193-526#,
 4 hr FSIP 2100#, HP 3049-3049#
 11-12-75 TD 8590'; WOCU
 DST (Strawn) 7975-8150', open 1 hr 25 mins, CTS
 in 13 mins thru 1/4" chk, SFP 32#, rec 120' DF,
 1 hr 15 min ISIP 3064#, FP 131-131#, 2 hr FSIP
 3064#, HP 3721-3634#, BHT 134 deg
 11-17-75 TD 8590'; WOCU
 2-23-75 TD 8590'; PBD 8157'; Complete (Hold for info)
 Perf (Strawn) 7988-96' w/26 shots
 Acid (7988-96') 1000 gals
 Frac (7988-86') 8000 gals + 12,500# sd
 3-2-6 NM

EDDY
 YATES PETROLEUM CORP.
 Undesignated
 2 Arco "EC" State
 Sec 36, T17S, R25E

NM
 Page #2

3-8-76 TD 8590'; PBD 8157'; Complete
 LOG TOPS: San Andres 820', Glorieta 2220',
 Abo 4180', Wolfcamp 5346', Lower Canyon 7355',
 Strawn 7819', Atoka 8173', Morrow Clastics 8363',
 Chester 8936'
 3-13-76 COMPLETION ISSUED
 3-2-6 NM
 IC 30-015-70072-75



F.R.C. 8-9-75 ONWO
(Wolfcamp)
(Orig. comp 8-22-74 thru (Morrow) Parfs 8365-86',
OPB 8700', OPB 8560')
8-4-75 TD 8700'; EBD 8560'; Complete
Perf (Wolfcamp) 6539-44', 6574-82', 6611-22',
6675-83' w/2 SPF
Acid (6539-6683') 21,000 gals
Wolfcamp Discovery, No Suggested Field Name
Morrow Completed in Atoka, W. Field
8-9-75 COMPLETION ISSUED

8-2-3 NM

[illegible]

DATE	APR	TIME	3653	GT.	8950	RT
------	-----	------	------	-----	------	----

8-4-2 NM

8-4-2 NM

8-23-75 COMPLETION ISSUED

EDDY COUNTY	NEW MEXICO	EAGLE CREEK FIELD
Well:	YATES PETROLEUM CORP. 1 ARCO "EC" State	
Locn:	2 mi SW/Artesia, 660' FNL, 2310' FEL Sec 36-17S-25E	
	(Orig comp 5-29-75 thru (Morrow) Perfs 8338-65', OTD 8678', OPB 8610'; OWWO 6 Re-comp 3-28-78 thru (Strawn) Perfs 7952-78', OTD 8678', OPB 8043')	
	Spud: 3-20-79; Comp: 7-11-79; Elev: 3453' Grd; TD: 8678' Miss; PB: 8043'	
	Casing: 12-3/4" 376'/250 sx; 8-5/8" 1276'/1150 sx; 5-1/2" 8678'/200 sx	
	Prod Zone: (Permo-Penn), T/Pay 6534', Prod thru Perfs 6534-6692'	
	IPP: 395 MCFGPD/24 hr test thru 1/4" ch, Grav NR, GOR NR, CP NR, TP NR	
	Comp Info: Set RBP @ 7884', Perf (Csg Sqd) @ 7750' w/4 shots, Sqd 7750'/350 sx,	
	Perf (Permo-Penn) 6534-41', 6546-50', 6608-17', 6681-92' w/2 SPF, A/8000 gals	
	Tops: NR	
	API No: 30-015-21472	

Petroleum Information
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EDDY COUNTY	NEW MEXICO	EAGLE CREEK
Well:	YATES PETROLEUM CORP. 1 ARCO "EC" State	
Locn:	2 mi SW/Artesia, 660' FNL, 2310' FEL Sec 36-17S-25E	
	(Orig comp 5-19-75 thru (Morrow) Perfs 8338-65', OTD 8678', OPB 8610'; OWWO Re-comp 3-28-79 thru (Strawn) Perfs 7952-78', OTD 8678', OPB 8043')	
	Spud: 6-30-79; Comp: 7-11-79; Elev: 3453' Grd; TD: 8678' Miss; PB: 6728'	
	Casing: 12-3/4" 376'/250 sx; 8-5/8" 1276'/1150 sx; 5-1/2" 8678'/200 sx	
	Prod Zone: (Permo-Penn), T/Pay 6534', Prod thru Perfs 6534-6692'	
	IPP: 395 MCFGPD/24 hr test thru 1/2" ch, Grav NR, GOR NR, CP Pkr, TP 63#	
	Comp Info: PB to 6728', Perf (Permo-Penn) 6534-41; 6546-50; 6608-17; 6681-92', A/8000 gals, C/NR	
	Tops: NR	
	API No: 30-015-21472	

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 Date: 11-21-79 Card No.: 4 gb

EDDY COUNTY	NEW MEXICO	EAGLE CREEK FIELD
Well:	YATES PETROLEUM CORP. 1 Arco "EC" State	
Locn:	2 mi SW/Artesia; 660' FNL, 2310' FEL Sec; 36-17S-25E; (Orig comp 5-29-75 thru Morrow perfs 8338-65, OTD 8678', PB 8610')	
	Spud: 3-20-79; Comp: 3-28-79; Elev: 3453' Grd; TD: 8678' Miss; PB: 8043'	
	Casing: 12-3/4" 376'/250 sx; 8-5/8" 1276'/1150 sx; 5-1/2" 8678'/200 sx	
	Prod Zone: (Strawn), T/Pay 7952', Prod thru Perfs 7952-78'	
	IPP: 331 MCFGPD 1/4" ch, CP pkr, TP 232#	
	Comp Info: set BP @ 8043'; Perf (Strawn) 13/7952-78', frac w/20,000 gals acid & 10,000 gals CO ₂	
	Tops: NR	
	API No: 30-015-21472	

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EDDY
YATES PETROLEUM CORP.

Wildcat
1 Caskey "Ev" Com.
Sec 30, T17S, R26E

2-2-76

Continued
Perf (Atoka) 8015-34', 8140-46', 8160-66'
w/4 SPF
Acid (8140-66') 2000 gals
Frac (8140-66') 16,000 gals + 21,000# sd
Acid (8015-34') 2000 gals
Frac (8015-34') 22,500 gals + 30,000# sd
2-9-76
TD 8570'; PED 8451'; Complete
Atoka Discovery in Undesignated Morrow Field
No Suggested Field Name
LOG TOPS: San Andres 848', Glorieta 2239',
Abo 4211', Wolfcamp 5362', Cisco 6680',
Strawn 7580', Atoka 7985', Morrow Classics
8298', Chester 8484'
2-14-76
COMPLETION ISSUED

NM
Page #2
2-2-6 NM

F.R. 6-16-75
(Morrow)
6-18-75 TD 1280'; Rng 8 5/8" csg
6-23-75 Drlg 4130'
7-1-75 Drlg 7880'
7-14-75 TD 8530'; "Tight"
7-28-75 TD 8530'; "Tight"
No Cores or DST's
9-15-75 TD 8530'; PED 8512'; Complete
Perf (Morrow) 8282-8370' w/4 SPF
Natural
LOG TOPS: San Andres 803', Glorieta 2205',
Abo 4172', Wolfcamp Lime 5323', Lower Canyon
7295', Strawn 7743', Atoka 8050', Morrow Classics
8240', Chester 8480'
9-20-75 COMPLETION ISSUED
9-3-2 NM

IP (Morrow) Perls 8250-60' CAOP 17,025 MCGFD. GOR Dry; Grav
(Gas) .655; SIWHP 2119#
Re - 6627 - 31. 6512-32 6512-18 6512-15 6512-12 6512-9 6512-6 6512-3 6512-0
6512-0 6512-3 6512-6 6512-9 6512-12 6512-15 6512-18 6512-21 6512-24 6512-27 6512-30 6512-33 6512-36 6512-39 6512-42 6512-45 6512-48 6512-51 6512-54 6512-57 6512-60 6512-63 6512-66 6512-69 6512-72 6512-75 6512-78 6512-81 6512-84 6512-87 6512-90 6512-93 6512-96 6512-99 6513-02 6513-05 6513-08 6513-11 6513-14 6513-17 6513-20 6513-23 6513-26 6513-29 6513-32 6513-35 6513-38 6513-41 6513-44 6513-47 6513-50 6513-53 6513-56 6513-59 6514-02 6514-05 6514-08 6514-11 6514-14 6514-17 6514-20 6514-23 6514-26 6514-29 6514-32 6514-35 6514-38 6514-41 6514-44 6514-47 6514-50 6514-53 6514-56 6514-59 6515-02 6515-05 6515-08 6515-11 6515-14 6515-17 6515-20 6515-23 6515-26 6515-29 6515-32 6515-35 6515-38 6515-41 6515-44 6515-47 6515-50 6515-53 6515-56 6515-59 6516-02 6516-05 6516-08 6516-11 6516-14 6516-17 6516-20 6516-23 6516-26 6516-29 6516-32 6516-35 6516-38 6516-41 6516-44 6516-47 6516-50 6516-53 6516-56 6516-59 6517-02 6517-05 6517-08 6517-11 6517-14 6517-17 6517-20 6517-23 6517-26 6517-29 6517-32 6517-35 6517-38 6517-41 6517-44 6517-47 6517-50 6517-53 6517-56 6517-59 6518-02 6518-05 6518-08 6518-11 6518-14 6518-17 6518-20 6518-23 6518-26 6518-29 6518-32 6518-35 6518-38 6518-41 6518-44 6518-47 6518-50 6518-53 6518-56 6518-59 6519-02 6519-05 6519-08 6519-11 6519-14 6519-17 6519-20 6519-23 6519-26 6519-29 6519-32 6519-35 6519-38 6519-41 6519-44 6519-47 6519-50 6519-53 6519-56 6519-59 6520-02 6520-05 6520-08 6520-11 6520-14 6520-17 6520-20 6520-23 6520-26 6520-29 6520-32 6520-35 6520-38 6520-41 6520-44 6520-47 6520-50 6520-53 6520-56 6520-59 6521-02 6521-05 6521-08 6521-11 6521-14 6521-17 6521-20 6521-23 6521-26 6521-29 6521-32 6521-35 6521-38 6521-41 6521-44 6521-47 6521-50 6521-53 6521-56 6521-59 6522-02 6522-05 6522-08 6522-11 6522-14 6522-17 6522-20 6522-23 6522-26 6522-29 6522-32 6522-35 6522-38 6522-41 6522-44 6522-47 6522-50 6522-53 6522-56 6522-59 6523-02 6523-05 6523-08 6523-11 6523-14 6523-17 6523-20 6523-23 6523-26 6523-29 6523-32 6523-35 6523-38 6523-41 6523-44 6523-47 6523-50 6523-53 6523-56 6523-59 6524-02 6524-05 6524-08 6524-11 6524-14 6524-17 6524-20 6524-23 6524-26 6524-29 6524-32 6524-35 6524-38 6524-41 6524-44 6524-47 6524-50 6524-53 6524-56 6524-59 6525-02 6525-05 6525-08 6525-11 6525-14 6525-17 6525-20 6525-23 6525-26 6525-29 6525-32 6525-35 6525-38 6525-41 6525-44 6525-47 6525-50 6525-53 6525-56 6525-59 6526-02 6526-05 6526-08 6526-11 6526-14 6526-17 6526-20 6526-23 6526-26 6526-29 6526-32 6526-35 6526-38 6526-41 6526-44 6526-47 6526-50 6526-53 6526-56 6526-59 6527-02 6527-05 6527-08 6527-11 6527-14 6527-17 6527-20 6527-23 6527-26 6527-29 6527-32 6527-35 6527-38 6527-41 6527-44 6527-47 6527-50 6527-53 6527-56 6527-59 6528-02 6528-05 6528-08 6528-11 6528-14 6528-17 6528-20 6528-23 6528-26 6528-29 6528-32 6528-35 6528-38 6528-41 6528-44 6528-47 6528-50 6528-53 6528-56 6528-59 6529-02 6529-05 6529-08 6529-11 6529-14 6529-17 6529-20 6529-23 6529-26 6529-29 6529-32 6529-35 6529-38 6529-41 6529-44 6529-47 6529-50 6529-53 6529-56 6529-59 6530-02 6530-05 6530-08 6530-11 6530-14 6530-17 6530-20 6530-23 6530-26 6530-29 6530-32 6530-35 6530-38 6530-41 6530-44 6530-47 6530-50 6530-53 6530-56 6530-59 6531-02 6531-05 6531-08 6531-11 6531-14 6531-17 6531-20 6531-23 6531-26 6531-29 6531-32 6531-35 6531-38 6531-41 6531-44 6531-47 6531-50 6531-53 6531-56 6531-59 6532-02 6532-05 6532-08 6532-11 6532-14 6532-17 6532-20 6532-23 6532-26 6532-29 6532-32 6532-35 6532-38 6532-41 6532-44 6532-47 6532-50 6532-53 6532-56 6532-59 6533-02 6533-05 6533-08 6533-11 6533-14 6533-17 6533-20 6533-23 6533-26 6533-29 6533-32 6533-35 6533-38 6533-41 6533-44 6533-47 6533-50 6533-53 6533-56 6533-59 6534-02 6534-05 6534-08 6534-11 6534-14 6534-17 6534-20 6534-23 6534-26 6534-29 6534-32 6534-35 6534-38 6534-41 6534-44 6534-47 6534-50 6534-53 6534-56 6534-59 6535-02 6535-05 6535-08 6535-11 6535-14 6535-17 6535-20 6535-23 6535-26 6535-29 6535-32 6535-35 6535-38 6535-41 6535-44 6535-47 6535-50 6535-53 6535-56 6535-59 6536-02 6536-05

F.R. 6 9 75
(Devonian)
AMEND FIELD NAME: Formerly reported as
11-1-75 Wildcat
6-23-75 AMEND FOOTAGE: Formerly reported as 330' FSL,
2310' FWL of Sec
TD 1260'; Drlg Cmt
6-17-75 Drlg 3990'
6-23-75 Drlg 6818'
6-30-75 Drlg 8440'
7-7-75 Drlg 9520'
7-15-75 DST (Morrow) 8190-8540', open 1 hr 30 mins, GTS
in 3 mins, rec 200' GCM, 2 hr ISIP 2728#, FP
350-279#, 4 hr FSIP 2833#, HP 3959-3959#
11-1-83 NM

EDDY
WESTERN OIL PRODUCERS, INC. 2 Flint
Sec 25, T17S, R25E

7-15-75 Continued
DST (Devonian) 9110-35', open 30 mins, no
rec, 1 hr ISIP 2756#, FP 33-46#, 2 hr FSIP
2254#, HP 4262-4217#
TD 10,243'; "Tight"
7-21-75 TD 10,243'; WOCU
7-28-75 TD 10,243'; PBD 8508' Completing "Tight"
8-4-75 TD 10,243'; PBD 8462'; Complete (Hold for info)
10-13-75 TD 10,243'; PBD 8462'; Complete
Perf (Morrow) 8250-60' w/2 SPF
Acid (8250-60') 2000 gals
Frac (8250-60') 70,000 gals + 49,000# sd
TD 10,243'; PBD 8462'; Complete
10-27-75 (Morrow) FOUR POINT GAUGES:
Fhyd 2060 MCFGPD, 13/64" chk, 60 mins, TP 1976#
11-1-3 NM

10-27-75

Continued
Flwd 1446 MCEGPD, 11/64" chk, 60 mins. TP 1968"
Flwd 961 MCEGPD, 9/64" chk, 60 mins. TP 1988"
Flwd 759 MCEGPD, 8/64" chk, 50 mins. TP 2022"
LOG TOPS: San Andres 810', Glorieta 2180',
Tubb 3422', Abc 4138', Cisco 6427', Canyon
6697', Atoka 7863', Mississippian 8420',
Devonian 9100'
COMPLETION ISSUED

11-1-75

WILDCAT
YATES PETROLEUM CORP.
1 Manseau "EK" Fee Com.
Sec 35, T-17-S, R-25-E
660' FNL, 1980' FEL of Sec
3 ml SW/Artesia
5-21-75 6-23-75

12 3/4" at 361' w/215 sx
8 5/8" at 1225' w/1050 sx
4 1/2" at 8190' w/500 sx

DATE	TIME	DEPTH	TEMP	WSP
5-21-75	14:00	192		

8455' (FSLV) 8190'
IP (Strawn) Perfs 8003-19' F 2380 MCFGPD + 1 B Cond. Pot based
on 24 hr test thru 1/2" csk, GOR 208,770, Grav (Cond) 51., TP
360#

3501' GL 8700' RT

F.R. 5-19-75
(Morrow)
9-20-75 AMEND FIELD NAME: Formerly reported as Atoka, W.
6-9-75 AMEND LEASE NAME: Formerly reported as Monseau
"DK" Fee Com.
5-28-75 TD 3263'; Trip
6-3-75 Drlg 6270'
6-10-75 Drlg 8050'
DST (Cisco) 8003-19', open 1 hr 30 mins, GTS
22 mins @ 265 MCFGPD, rec 540' HCCM + 390' DM,
1 hr 15 min ISIP 2360#, FP 350-524#, 2 hr FSIP
2360#, HP 3009-2939#
DST (Strawn) 7939-8028', open 1 hr 30 mins, GTS
22 mins, No gauge, rec 510' S11 GCM, 1 hr 15 min
ISIP 2868#, FP 105-110#, 2 hr FSIP 2868#, HP 3713-
3713#, BHT 140 deg

9-3-3 NM

WILDCAT
YATES PETROLEUM CORP.
1 Manseau "EK" Fee Com.
Sec 35, T17S, R25E

7-14-75 TD 8455'; WOCU "Tight"
7-28-75 TD 8455'; SI "Tight"
9-15-75 TD 8455'; PBD 8190'; Complete
Perf (Strawn) 8003-19' w/4 SPF
Acid (8003-19') 1500 gals
Frac (8003-19') 10,000 gals wtr + 20,000# sd
Strawn Discovery, No Suggested Field Name
LOG TOPS: San Andres 792', Glorieta 2160',
Abo 4140', Wolfcamp 5308', Cisco 6447', Lower
Canyon 7336', Strawn 7780', Atoka 8106'
COMPLETION ISSUED

9-20-75

9-3-3 NM

[illegible]

1. **EDDY** **Undesignated** **RM**
YATES PETROLEUM CORP. **30-015-21627**
1 **Gossett 'EU'** **2-2-4** **NM**
Sec 26, T17S, R25E
1650' FSL, 1980' FWL of Sec
3 mi SW/Artesia
9-18-75 **12-5-75** **D** **DG**

DATE	TIME	DEPTH	TEMP	WIND	WAVE	SEA	SWELL	WIND	WAVE	SEA	SWELL
5-2	1724	79									

13 3/8" at 340' w/250 sx
8 5/8" at 1220' w/1000 sx
4 1/2" at 7824' w/610 sx
8420' (BENT) **7821'**
IP (Strawn) Fails 7792-7819' F 450 MCPGPD. Pot based on 12 hr
test thru 1/2" chk. GOR ISTM; TP 63f
3515' GL **8550' RT**
Ard

9-24-75 F.R. 9-22-75
 10-2-75 (Morrow)
 10-8-75 Drlg 2565'
 10-14-75 Drlg 5783'
 TD 7900'; Prep DST
 TD 8420'; "Tight"
 DST (Strawn) 7780-7900', open 1 hr 30 mins, GTS
 in 17 mins, rec 650' DM + 150' sll GCM, 1 hr 5
 min ISIP 2048#, FP 176-228#, 3 hr FSIP 2400#,
 HP 3570-3505#
 10-27-75 TD 8420'; FBD 7821'; WOCU "Tight"
 1-19-76 TD 8420'; PBD 7821'; Complete (Hold for Info)
 Perf (Strawn) 7792-98', 7814-19' w/2 SPF
 Acid (7792-7819') 1500 gals
 Frac (7792-7819') 12,000 gals + 20,000# ed

2-2-4 NM

EDDY Undesignated
 YATES PETROLEUM CORP. 1 Gossett "EU"
 Sec 26, T17S, R25E

RM
 Page #2

2-9-76 TD 8420'; FBD 7821'; Complete
 LOG TDPS: San Andres 792', Abo 4124',
 Wolfcamp 5323', Pennsylvanian 6535',
 Canyon 6684', Strawn 7515', Atoka 7930',
 Morrow Clastics 8202'
 2-14-76 COMPLETION ISSUED

2-2-4 NM
 IC 30-015-70042-75

EDDY COUNTY NEW MEXICO KENNEDY FARMS FIELD
Well: YATES PET. CORP. 1 Siengenthaler "IS" Com. Result: DUAL DG
Locn: 1 mi SE/Artesia, 1980' FSL 660' FEL Sec 21-17S-26E.

Spud: 11-7-77; Comp: 12-20-77; Elev: 3362' grd; TD: 8670' Miss; PB: 8607'
Casing: 13 3/8" 460'/340 ex, 9 5/8" 1420'/1025 ex, 5 1/2" 8647'/335 ex
Prod Zone: (Atoka) T/Pay 8194', prod thru perf 8194-8298'
FFI: 675C MCFGPD, 3/4" ch, COR NR, Grav NR, CP pks, TP 460#
Prod Zone: (Morrow) T/Pay 8404', prod thru perf 8404-30'
FFI: 3750 MCFGPD, 1/2" ch, COR NR, Grav NR, CP Pks, TP 570#
Comp Info: DST (Cany) 7127-7230', op 2 hrs, rec 4' SW, (Sampler rec, 032 CFG & 2200
cc's w/ 1 hr 30 min ISIP 142#, FP 106-106#, 3 hr FSIP 142#, HP 3300-3300#; DST
(Atoka) 8112-8305', op 1 hr, GTS 9 min @ 9100 MCFGPD, 1/2" ch, rec 439' cond & 44
GCM, (Sampler rec 22.58 CFG), 1 hr 30 min ISIP 2654#, FP 1887-2015#, 3 hr FSIP 261
HP 3976-3976#, Perf (Morrow) 8404-13', 8422-30' w/4 SPF; natural; Perf (Atoka) 8194-
8202', 8236-43', 8288-98' w/2 SPF; natural; Morrow Completed 12-15-77; ran CNL, FD
& DILL logs; C/Moranco #6.
Tops: (EL) San And 970', Glos 2350', Abo 4398', Wolfe 5502', Cisco 6660', Cany 7394',
Strawn 7844', Atoka 8182', Morrow Clastics 8401', Chester 8625'
API No.: 30-015-22329

Petroleum Information
A Division of A.C. Petrol. Group

Date: 4-12-78 Card No.: 4 mm

EDDY COUNTY NEW MEXICO UNDESIGNATED FIELD
Well: YATES PETROLEUM CORP. 1 Jackson "GM" Com Result: GAS DG
Locn: 1 mi SW/Artesia; Sec 24-17S-25E; 660' FSL, 1650' FWL Sec

Spud: 8-27-76; Comp: 11-3-76; Elev: 3468' Grd; TD: 8383' Miss; PB: 8340'
Casing: 13-3/8" 318'/150 ex; 8-5/8" 1245'/810 ex; 4-1/2" 8377'/250 ex
Prod Zone: (Morrow), T/Pay 8120', Prod thru Perf 8120-8278'
FFI: 2260 MCFGPD + 9 B C 3/4" ch, Grav (cond) 33.6, COR 241, 800-1, TP 140#
Comp Info: DST (Morrow) 8080-8178', op 1 hr 25 min, GTS 5 min & stab @ 2022
MCFGPD 1/2" ch, SFP 308#, rec 390' GCDM w/trace cond, ISIP 3103#/1 hr, FP 524-
568#, FSIP 3103#/2 hrs, HP 3936-3936#, BHT 132 deg; Perf (Morrow) 8120-26',
8144-62', 8268-74'/4 SPF/ A/1000 gals; frac w/5000 gals & 1500W sd; ran CNL,
FDC, DILL logs; C/Ard; A/2500 gals
Tops: EL: San And 817', Glos 2219', Abo 4160', Wolfe 5375', Penn 5328', L/Canyon
7209', Strawn 7426', Atoka 7831', Morrow Clastics 8111', Chester 8286'
API No: 30-013-21896

Petroleum Information
A Division of A.C. Petrol. Group

Date: 12-8-76 Card No.: 1 ch

EDDY Undesignated NM
YATES PETROLEUM CORP. 30-015-21607
1 City of Artesia "EQ" Com. 10-4-3 NM
Sec 24, T-17-S, R-25-E
1650' FSL, 1980' FEL of Sec
1 mi SW/Artesia
8-16-75 9-18-75

DATE	TIME	DEPTH	TEMP	THICKNESS	REMARKS
13 3/8"	at 369'	w/250	ex		
8 5/8"	at 1262'	w/1325	ex		
4 1/2"	at 8277'	w/545	ex		
		8406' (MSSP)		8243'	

IP (Morrow) Perfs 8133-39' F 2360 MCFGPD + 28 B Cond. Pot
based on 24 hr test thru 1/2" chk. GOR 84,285'; Grav (Gas) (NR);
(Cond) 54.2; TP 325#

Ar 46 3450' GL 8600' RT

F.R. 8-18-75
(Morrow)
10-25-75 AMEND LEASE NAME: Formerly reported as City of
Artesia "ED" Com.
8-18-75 Drig 855'
8-26-75 Drig 4036'
9-3-75 Drig 7159'
DST (Cisco) 6435-6650', open 1 hr 20 mins, rec
420' GCM, 1 hr 20 mins ISIP 2387#, FP 212-212#,
4 hr FSIP 2387#, HP 3079-3079#
9-22-75 "Tight"
9-29-75 TD 8406'; PBD 8243'; Complete (Hold for info.)
Perf (Morrow) 8133-39' w/4 SPF
Acid (8133-39') 1000 gals
Frac (8133-39') 10,000 gals + 15,000# sd
10-4-3 NM

EDDY Undesignated NM
YATES PETROLEUM CORP. 1 City of Artesia "EQ" Com.
Sec 24, T17S, R25E Page #2

10-20-75 TD 8406'; PBD 8243'; Complete
LOG TOPS: San Andres 820', Gloretta 2135', Abo
4162', Wolfcamp 5338', Strawn 7638', Atoka 7936',
Chester 8264'
10-25-75 COMPLETION ISSUED

10-4-3 NM

EDDY COUNTY NEW MEXICO EAGLE CREEK, E. FIELD
Well: YATES PET. CORP. 1 Lanning "JC" Com. Result: GAS DG
Locn: 1 mi W/Atoka, 660' FNL 2310' FEL Sec 7-18S-26E

Spud: 9-23-78; Comp: 11-7-78; Elev: 3417' gnd; TD: 8810' Morrow; PB: 8683'
Casing: 13 3/8" 423'300 ss, 8 5/8" 1335' 1010 ss, 4 1/2" 8732' 1325 ss
Prod Zone: (Morrow) T/Pay 8544', prod thru perfs 8544-97'
IP: 900 MCFGPD, 1/2" ch, COR NR, Grav NR, CP pkr, TP 143'
Comp Info: No DST's; Perf (Morrow) 8544-97'; A/3000 gals (7 1/4); frac w/30,000 gals C
42,000' rj; ran CNL, FDC 6 DILL logs; C/Moranco.
Tops: (EL) San And 887', Glor 2288', Abo 4305', Wolfc 5407', Cany 7460', Strawn 7525',
Atoka 8303', Morrow 8516'
API No.: 30-015-22689

Replaces Card #13, dated 12-13-78 to show results of well from Temp Comp C lease from
J. E. Lanning Com.

Petroleum Information
Date: 2-7-79 Card No.: 16 rm

EDDY COUNTY NEW MEXICO ATOKA FIELD
Well: MADDOX ENERGY CORP. 1 Spencer Com. Result: GAS DG
Locn: 2 mi N/Dayton, 1650' FNEWL's Sec 9-18S-26E

Spud: 4-14-77; Comp: 8-1-77; Elev: 3377' gnd; TD: 9003' Miss; PB: 8958'
Casing: 13 3/8" 375'375 ss, 8 5/8" 1362' 1140 ss, 4 1/2" 2003' 7600 ss
Prod Zone: (Morrow) T/Pay 8702', prod thru perfs 8702-35'
IP CAG: 779,000 CFCPD, GOR dry, Grav (gas), 611, SHWH 2773'
Comp Info: DST (Morrow) 8670-9003', op 3 hrs 30 min, GTS 35 min @ 264 MCFGPD,
1/4" ch, rec 770' GCM (Sampler rec 2.203 CFC @ 500#), 1 hr 30 min ISIP 3370#,
FP 300-483#, 9 hr FSIP 3667#, HP 4356-4396#, BHT 150 deg; DST (Morrow) 8660-
9003', op 6 hrs, GTS 30 min @ 274 MCFGPD, 1/4" ch, rec 512' GCDF, (Sampler
rec 2.25 CFC), 1 hr ISIP 3769#, FP 388-539#, FSIP 3684#, HP 4388-4346#, BHT
147 deg; Perf (Morrow) @ 8702', 8704', 8706', 8733', 8734', 8735' w/1 SPI; S/44
BLW/4 hrs 30 min, S/dry; A/350 gals; F/75 MCFGPD, 3/4" ch; A/2000 gals; F/506
MCFGPD, FTP 68#; (Morrow) Four Point Gauges: F/121 MCFGPD, 0.750" orifice, 60
min, TP 2470#; F/186 MCFGPD, 0.750" orifice, 60 min, TP 2260#; F/336 MCFGPD,
0.750" orifice, 60 min, TP 1924#; F/645 MCFGPD, 0.750" orifice, 60 min, TP
1876#; C/Moranco Delg.
Tops: (EL) San And 1230', Tubb 3252', Abo 4370', Cisco-Cany 7658', Strawn 8053',
Atoka 8487', Morrow 8690', Chester 8946'
API No.: 30-015-22121

Petroleum Information
Date: 9-21-77 Card No.: 6 rm

EDDY COUNTY NEW MEXICO EAGLE CREEK, E/FIELD
Well: YATES PETROLEUM CORP. 9 Jackson "AT" Com. Result: OIL DO
Locn: 1/2 mi W/Artesia; 660' FSL, 660' FWL Sec 13-17S-25E

Spud: 1-30-79; Comp: 3-27-79; Elev: 3465' Gnd; TD: 8400' Chester; PB: 8022'
Casing: 13-3/8" 303' 375 ss; 8-5/8" 1206' 1300 ss; 5-1/2" 8400' 7475 ss
Prod Zone: (Morrow), T/Pay 7992', Prod thru Perfs 7992-8007'
IP: 3250 MCFGPD, 1/2" ch, CP pkr, TP 320'
Comp Info: ran CNL, FDC, DILL logs; no cores or DST's; Perf (Morrow) 10/
7992-8007', frac w/40,000 gals C 23,000' sl and 8000 gals CO₂; C/Captan #14
Tops: EL: Cisco 6310', L/Canyon 7130', Strawn 7551', Atoka 7851', Morrow Clastic
7988', Chester
API No.: 30-015-22799

Petroleum Information
Date: 5-2-79 Card No.: 6 dh

EDDY COUNTY NEW MEXICO KENNEDY FARM FIELD
Well: YATES PETROLEUM CORP, 1 Kennedy "JO" Com. Result: GAS DG
Loc: 3 mi S/Artesia; Sec 33-175-26E; 2510' FNL, 660' FEL Sec

Spud: 7-22-78; Comp: 7-6-78; Elev: 3339' Grd; TD: 8732' Morrow; PB: 8666'
Casing: 13-3/8" 429' / 350' ss; 8-5/8" 1443' / 850' ss; 4-1/2" 8726' / 370' ss
Prod Zone: (Morrow), T/Pay 8600', Prod thru Perf 8600-18'
IPI: 2300 MCFCPD, 1/2" ch, CP pkr, TP 380#
Comp Info: ran CNL, FDC, DILL logs; Perf (Morrow) 8600-18' / 4 SP; A / 3000 gals
(7-1/2%) C/Moranco
Top: EL: Atoka 8350', Morrow Clastic 8368', Chester 8787'
API No: 30-015-22548

Petroleum Information
Date: 8-2-78 Cord No.: 6 dh

EDDY COUNTY NEW MEXICO UNDESIGNATED FIELD
Well: YATES PET. CORP. 2 Mitchell "IN" Result: TEMP COMP SUS
Loc: 2 mi SW/Artesia, 2030' FSL660' FEL Sec 23-175-25E.

Spud: 8-9-77; Comp: 11-7-77; Elev: 3476' grd; TD: 9500' Morrow;
Casing: 13 3/8" 3587' / 280' ss, 8 5/8" 1262' / 1310' ss, 5 1/2" 9500' / 1335' ss
Comp Info: "tight"; Suspended Operations; C/Moranco #9.
Top: NR
API No: 30-015-22242

Petroleum Information
Date: 11-16-77 Cord No.: 8 nm

EDDY COUNTY NEW MEXICO E. EAGLE CREEK FIELD
Well: YATES PETROLEUM CORP. 7 Ingram-Jackson "BV" Result: GAS DG
Loc: 2-1/2 mi SW/Artesia, 1980' FNL, 1980' FEL Sec 26-175-25E

Spud: 1-19-79; Comp: 6-22-79; Elev: 3338' Grd; TD: 8430' Morrow; PB: 8288'
Casing: 13-3/8" 380' / 375' ss; 8-5/8" 1220' / 850' ss; 4-1/2" 8430' / 470' ss
Prod Zone: (Atoka-Morrow), T/Pay 8030', Prod thru Perfs 8030-8245'
IPI: 910 MCFCPD, / 24 hr etst thru 24/64" ch, Grav NR, GOR 114,000, CP Pkr, TP 260#
Comp Info: DST (Strawn) 7845-7290', mis-run, DST (Strawn) 7845-7920', op 1 hr 30 min.
w/wk Blow rec 87' DF, 1 hr 30 mins ISIP 142#, FP 113-113#, 3 hr FSIP 142#, HP 3677-3648#, BHT 130 deg, Perf (Atoka) 8030-74' w/ 23 shots, A/2000 gals, Frac 30, 000 gals + 22,500# sd, Perf (Morrow) 8132-39' w/ 4 SP, A/1200 gals (7-1/2%)
Perf (Morrow) 8236-45' w/ 2 SP, A/1500 gals, Frac 9000 gals + 10,500# sd, ran CNL, FDC, DILL, logs, C/Landis #4
Top: (EL) San And 770', Glorieta 2114', Abo 4120', Wolfe 5325', Penn 6498', Canyon 7235', Strawn 7616', Atoka 7950', Morrow 8125', Chester 8312'
API No: 30-015-22789

Replaces card #7 dated 4-11-79 for well results; Orig Suspended Completion.

Petroleum Information
Date: 8-8-79 Cord No.: 19 gb

EDDY COUNTY NEW MEXICO KENNEDY FARMS FIELD

Well: YATES PET. CORP. 1 Johnson Com. "JT" Result: GAS DG
Loc: 3 mi SE/Artesia, 2016' FNL 660' FEL Sec 28-175-26E.

Spud: 7-25-78; Comp: 9-13-78; Elev: 3352' grd; TD: 8732' CSCR; PB: 8635'
Casing: 13 3/8" 385'/325' ss, 8 5/8" 1438'/1100' ss, 4 1/2" 8658'/650' ss
Prod Zone: (Morrow) T/Pay 8496', prod thru perfs 8496-8529'
FFI 1150 MCFCPD, 1/2" ch, COR NR, Grav NR, CP pkr, TP 180'
Comp Info: DST (Morrow) 8430-8528', op 2 hrs 30 min, GTS 9 min @ 2700 MCFCPD,
1 1/2" ch @ 4258', rec 686' GCM, 1 hr 30 min ISIP 3428#, FP 414-675#, 3 hr FSIP
3340#, HP 4175-4175#; Perf (Morrow) 8496-8529' (OA); natural ran CNL, FDC &
DILL logs; C/Captain #15.
Tops (EL) San And 982', Glor 238', Abo 4408', Wolfc 5509', Cisco 6689', L/Cany
7429', Strawn 7880', Atoka 8243', Morrow Clastics 8456', Chester 8670'
API No.: 30-015-22600

Replaces Card #5, dated 10-11-78 to show correct information & add DST's; Orig. issued
as #1 J. T. Johnson Com.

Petroleum Information

Date: 11-8-78 Cord No: 26 nm

EDDY COUNTY NEW MEXICO WILDCAT

Well: YATES PET. CORP. 2 Siegenthaler "JS" Com. Result: GAS WFD
Loc: 1 mi SE/Artesia, 1460' FSL 198' FWL Sec 21-175-26E.

Spud: 2-14-78; Comp: 4-13-78; Elev: 3369' grd; TD: 8627' Chester; PB: 7708'
Casing: 13 3/8" 370'/740' ss, 8 5/8" 1476'/1100' ss, 5 1/2" 8420'/340' ss
Prod Zone: (Cany) T/Pay 7690', prod thru perfs 7690-96'
FFI 150 MCFCPD, 1/2" ch, TP 433'
Comp Info: Perf (Strawn) 8313-17' w/4 SPF; A/1000 gals; S/dry; Perf (Strawn) 8029-33'
w/4 SPF; A/3000 gals; S/dry; set BP @ 7708'; Perf (Cany) 7690-96' w/4 SPF; A/5000
gals; ran CNL & DILL logs; C/Captain #2.
Tops (EL) San And 910', Glor 2329', Abo 4362', Wolfc 5460', Cisco 6659', Cany 7381',
Strawn 7834', Morrow 8376', Chester 8572'
API No.: 30-015-22413

Petroleum Information

Date: 6-21-78 Cord No: 7 nm

EDDY COUNTY NEW MEXICO KENNEDY FARMS FIELD

Well: YATES PETROLEUM CORP. 1 Tom Brown "GO" Com. Result: GAS DG
Loc: 1 mi SE/Artesia; Sec 22-175-26E; 835' FNL, 1980' FWL Sec

Spud: 12-10-76; Comp: 3-9-77; Elev: 3339' Grd, 3356' K B; TD: 8725' Mts; PB: 8539'
Casing: 13 3/8" 402'/300' ss, 8 5/8" 1402'/600' ss, 5 1/2" 8609'/450' ss
Prod Zone: (Morrow) T/Pay 8398', Prod thru Perfs 8398-8512'
FFI 2650 MCFCPD 1/2" ch, Grav NR, COR NR, FTP 420#
Comp Info: DST (Cisco) 6691-6825', op 2 hrs 30 min, rec 1000' GCDF (sampler rec
1850 cc's SW w/show oil @ 250#), ISIP 2369#/1 hr, FP 408-631#, FSIP 2382#/4 hrs
HP 3024-3024#, BHT 118 deg; DST (Morrow) 8375-8725', op 1 hr 50 min, GTS 10
min @ 2100 MCFCPD 1/4" ch, rec 1290' GCM (sampler rec 2.695 CFC @ 1750#)
ISIP 3466#/1 hr, FP 827-1563#, FSIP 3466#/2 hrs, HP 4100-4087#, BHT 122 deg
Perf (Morrow) 8398-8402', 8504-12' w/4 SPF; A/1500 gals, ran CNL, FDC, GRL, DILL
logs; BHT 126 deg; C/Ard
Tops (EL) Glor 2323', Abo 4393', Cisco 6665', L/Canyon 7424', Strawn 7861', Atoka
8226', Morrow Clastics 8418', Chester 8641'
API No.: 30-015-21933

Petroleum Information

Date: 4-20-77 Cord No: 4 db

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
STATE LAND OFFICE BLDG.
SANTA FE, NEW MEXICO
25 June 1980

EXAMINER HEARING

IN THE MATTER OF:

Application of Yates Petroleum Corpor-) CASE
ation for an NGPA determination, Eddy) 6917
County, New Mexico.)

BEFORE: Richard L. Stamets

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation
Division:

Ernest L. Padilla, Esq.
Legal Counsel to the Division
State Land Office Bldg.
Santa Fe, New Mexico 87501

For the Applicant:

Chad Dickerson, Esq.
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I N D E X

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PEYTON YATES

Direct Examination by Mr. Dickerson

3
26

Cross Examination by Mr. Stamets

E X H I B I T S

Applicant Exhibit One, Plat

Applicant Exhibit Two, Documents

Applicant Exhibit Three, Plat

Applicant Exhibit Four, Cross Sections

Applicant Exhibit Five, Completion Cards

Applicant Exhibit Six, Document

Applicant Exhibit Seven, Well Data

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Page 3

1 MR. STAMETS: We'll call next Case 6917.

2 MR. PADILLA: The application of Yates
3 Petroleum Corporation for an NGPA determination, Eddy County,
4 New Mexico.

5 MR. DICKERSON: Mr. Examiner, my name is
6 Chad Dickerson, of Artesia, New Mexico.

7 I have one witness.

8 MR. STAMETS: Any other appearances?

9
10 (Witness sworn.)

11
12 PEYTON YATES
13 being called as a witness and having been duly sworn upon his
14 oath, testified as follows, to-wit:

15
16 DIRECT EXAMINATION

17 BY MR. DICKERSON:

18 Q Will you state your name, your occupation,
19 and by whom you're employed, please?

20 A Peyton Yates. I'm a petroleum engineer
21 and independent oil operator, from Artesia, New Mexico, re-
22 presenting Yates Petroleum Corporation.

23 Q Mr. Yates, have you previously testified
24 before this Division and had your credentials made a matter
25 of public record?

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1 A Yes, sir.

2 Q And are you familiar with the purposes
3 of the application and the exhibits upon which you intend to
4 rely?

5 A Yes, sir.

6 MR. DICKERSON: Mr. Examiner, is the wit-
7 ness qualified?

8 MR. STAMETS: Yes.

9 Q Mr. Yates, please refer to what is marked
10 Exhibit Number One and describe what this shows.

11 Well, before we get to that, would you
12 briefly describe for the Examiner the purpose of the applica-
13 tion of Yates Petroleum Corporation?

14 A The purpose of this application is to
15 seek approval of Section 102, new reservoir status, for the
16 Yates Petroleum Corporation Goat Roper "LP" Com No. 1.

17 Q Now would you refer to Exhibit Number One
18 and describe what it shows?

19 A Exhibit Number One is a land plat showing
20 the location of the Goat Roper "LP" No. 1, and colored in
21 yellow, the proration unit assigned to the well.

22 The well is located in the south half,
23 Unit "P", of Section 30, 17 South, 26 East, Eddy County,
24 New Mexico.

25 Q Mr. Yates, I notice the plat shows another

1 well located within that proration unit. Would you explain
2 to the Examiner how that came to be?

3 A Yes. The other well located in the -- also
4 in the south half proration unit in Section 30, is the Caskey
5 "EV" No. 1, also a Yates Petroleum Corporation well. It is
6 in the southwest quarter of Section 30.

7 The Caskey "EV" was completed in the Mor-
8 row formation. We, Yates Petroleum Corporation, drilled the
9 Goat Roper, also in the south half, and we are here today to
10 show that we have found a new reservoir in the Morrow formation
11 in the Goat Roper "LP" No. 1.

12 MR. STAMETS: Will you be telling us the
13 status of the Caskey Well?

14 A The Caskey Well is presently producing gas
15 out of the Morrow formation.

16 That's my mistake. It is completed in
17 the Atoka formation. We've provided a completion card of the
18 Caskey.

19 Q Mr. Yates, refer to what is marked Exhibit
20 Number Two and briefly describe what it shows, please.

21 A Exhibit Number Two consists of the --
22 several items that are required under the FERC regulations
23 and the State of New Mexico regulations for applications for
24 Section 102.

25 It consists of, first of all, a list of

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1 the items that are included in the total application, with a
2 cover letter; an affidavit stating that Yates Petroleum Cor-
3 poration has notified all the pertinent parties in the well
4 and offsetting the well; the FERC Form 121; the completion --
5 or the State of New Mexico Form C-132, completion report,
6 NMOC completion report; the notice of intent to drill for
7 the subject well, to which is attached a well location and
8 dedication plat; and the sworn statement under oath of Yates
9 Petroleum, as required by the FERC regulations and the State
10 of New Mexico; and a gas analysis of the Goat Roper "LP" No.
11 1.

12 Q So briefly stated, the Exhibit Number
13 Two is a transmittal of all required information under both
14 the Federal and the State regulations concerning this deter-
15 mination?

16 A That's correct. It was -- the cover
17 letter was dated April 17th, 1980, and I believe it was re-
18 ceived on the 23rd of April at the Commission offices, of
19 1980.

20 Q Mr. Yates, turn to Exhibit Number Three
21 and briefly describe what it shows.

22 A Exhibit Number Three is a land plat
23 showing the locations of the pertinent wells that were studied
24 by Yates Petroleum in determining whether or not the Goat
25 Roper "LP" No. 1 Morrow reservoir was a new reservoir, and

1 also has drawn on it the structure contours at the top of the
2 Morrow Clastics in the Pennsylvanian formation.

3 Q What's the significance of the Roman
4 numerals there, Mr. Yates?

5 A The Roman numerals indicate the number of
6 cross section which also has been supplied to the Commission.
7 We've drawn a cross section from the Goat Roper Well through
8 each of the wells shown in the land plat in Exhibit Three.

9 Q Mr. Yates, there are some wells shown on
10 your plat which are not shown on the cross sections. What's
11 the reason for that?

12 A The wells were either dry holes and were
13 not pertinent to the discussion because they did not penetrate
14 a Morrow reservoir which was capable of production; or they
15 were wells spudded after 4-20-77 and therefor were incapable
16 of producing gas out of the Morrow prior to 4-20-77.

17 Q Mr. Yates, will you describe the relation-
18 ship between Exhibit Number Four and Exhibit Number Three,
19 please?

20 A Exhibit Number Four is the set of cross
21 sections, cross sections 1 through 11, of the wells that were
22 studied by -- the wells that are considered pertinent to dis-
23 cussion of a new reservoir by Yates Petroleum Corporation.

24 Q To the extent it will aid your discussion
25 of the matters you intend to cover, Mr. Yates, briefly refer

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1 to Exhibits Five, Six, and Seven and describe to the Examiner
2 what those instruments are.

3 A Exhibit Number Five consists of completion
4 cards, or if completion cards were unavailable, actual Xeroxed
5 copies of completion reports, of all wells shown on Exhibit
6 Three. The purpose of this Exhibit Number Five is to show
7 not only spud date but completion history of each of the wells
8 under discussion.

9
10 Q And Exhibit Five further reflects the
11 material upon which your conclusions were based?

12 A That is correct. The material, and if
13 there were any other material required we had it, discussed
14 it in Exhibits Six and Seven.

15 Exhibit Number Six is our actual written
16 discussion that we submit with all of our Section 102 appli-
17 cations. It's a discussion of each pertinent well surrounding
18 the subject well.

19 Exhibit Number Seven is a compilation of
20 individual well data, when necessary, to establish our case.
21 Exhibit Seven consists of several bottom hole pressure re-
22 ports, reports from the New Mexico Annual Survey of production,
23 which indicate shut-in tubing pressures, and there is also a
24 copy of a letter submitted to the Commission by Yates Petro-
25 leum Corporation with respect to one of the wells discussed

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herein, and we will go over each of these in our discussion today.

MR. DICKERSON: Mr. Examiner, for clarity I might point out that the instruments which are referred to in Exhibit Number Six, as attached, are in this presentation shown in Exhibit Number Seven.

Q Mr. Yates, will you review your findings based on these exhibits and tell the Examiner why Yates Petroleum Corporation feels that this subject well is entitled to a determination as a new onshore well? Reservoir?

A First of all, the completion of the subject well in a proration unit which may or may not be -- in which another well already exists, which may or may not be completed in the Morrow -- as we say, the completion card shows it to be completed in the Atoka -- is of no importance provided that the reservoir that's completed in the subject well, the Goat Roper, is indeed a new reservoir, which we will attempt to show today.

If you will turn, please, to Exhibit Number Six, you can follow our discussion. We will refer to Exhibit Six, Exhibit Number Four, and Exhibit Number Seven. Exhibit Number Five will be -- is back-up information, again the completion cards, for our discussion in Exhibit Six, but we will have to make reference to Exhibits Four and Seven.

First of all, with respect to the subject

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1 well --

2 MR. STAMETS: Let me unfold all these
3 maps --

4 A Okay, fine.

5 MR. STAMETS: -- before you start that.
6 It would be a whole lot simpler.

7 A I might do the same.

8 The subject well is completed in an area
9 of intense Morrow exploration and development. The well was
10 completed 3-9-80 in the Morrow formation with perforations
11 at 8365 to 8373.

12 The Morrow reservoir perforated in the
13 subject well was at virgin pressure when the well was com-
14 pleted.

15 A 120-hour shut-in tubing pressure of
16 2763 psig and a shut-in bottom hole pressure of 3532 psig was
17 recorded on 3-15-80, indicating virgin pressure in the Morrow
18 formation -- in the Morrow reservoir.

19 A copy of the bottom hole pressure survey
20 is attached in Exhibit Seven.

21 Please refer now to Exhibit Four, cross
22 section 1. The first cross section shows a comparison of the
23 subject well, the Goat Roper, versus the Maddox Energy Com-
24 pany Martin Com No. 1, located in Section 29 of 17, 26, and
25 shown on the plat provided.

1 It was completed -- spudded in February
2 of 1977, February the 10th, 1977, and completed 5-23-77.

3 It has, as is shown on the log, comparisons,
4 no Morrow sands capable of production that correlate with
5 subject well.

6 It is located .4 of a mile from the sub-
7 ject well.

8 It might be pointed out, also, that the
9 Martin Com was spudded -- was completed 5-23-77 and there
10 were no sales, no production, prior to that time and it was
11 not capable, therefor, of having a commercial production out
12 of any reservoir prior to the completion date.

13 Cross section number 2 shows a comparison
14 of the Yates Petroleum Corporation Goat Roper, the subject
15 well, versus the David Faskin-Armstrong 5 No. 1, which has
16 now been recompleted by the Yates Petroleum Corporation as the
17 Armstrong "CT" No. 1, located in Section 5 of 18, 26.

18 It was spudded in June of 1973 and com-
19 pleted 10-8-73. It was originally completed in the Atoka-
20 Morrow formation with perforations from 8381 to 87, 8455 to
21 60, 8499 to 8503, 8566 to 8567, and 8616 to 8619.

22 There is a very small, 1-foot perforated
23 sand body, which correlates with the subject well. That sand
24 body is located -- or that perforation is 8566 to 67 and can
25 be seen on the log as a very small blip of porosity, very poor

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1 porosity, as indicated by the CNL/FDC log.

2 The well was completed for 1.1 million
3 cubic feet at 195 pounds out of the five sets of perforations
4 in the Atoka-Morrow, as reported.

5 On 8-16-77 a shut-in tubing pressure of
6 1051 psig was reported and a copy of this Annual Survey report
7 is attached in Exhibit Seven.

8 At the end of May, 1978, the Atoka-Morrow
9 interval had produced 215 million cubic feet of gas and was
10 producing at or near a depleted rate of 30 to 50 Mcf per day.

11 In March, '78, approval was requested to
12 recomplete the well in the Strawn formation and commingle the
13 Strawn and the Atoka-Morrow, and a copy of that letter is at-
14 tached in Exhibit Seven.

15 The Strawn was perforated 6-22-78 and
16 commingling was approved in October of '78.

17 The near depletion of the Atoka-Morrow
18 interval, including the perforated interval, the one perforated
19 foot that possibly correlates with the subject well, indicates
20 that there is no communication between the two wells because
21 of the fact that we found virgin pressure in the Goat Roper
22 No. 1. A shut-in tubing pressure of 1563 psig on 8-3-79,
23 again of the commingled zones, indicates that we are reaching
24 depletion on both the Strawn and Morrow zones.

25 The well is located 1.9 miles from the

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subject well.

Cross section number 3, the Patterson "EL" No. 2 has a perforated sand body that appears to correlate with the subject well's completed Morrow reservoir; however, on 6-17-80, after 176-hour shut-in, the bottom hole pressure was 1778 psig, and the bottom hole pressure survey is attached in Exhibit Seven, and it proves the well not to be in communication with the subject well.

The Patterson "EL" No. 2 was spudded after 4-20-77 and is 1.2 miles from the subject well.

This is a very common feature in this particular area, that we have a lot of correlative sand bodies which are not in communication. We've experienced virgin pressures in nearly every offset well in this immediate area, even though we have correlative sands on the logs.

Also on cross section number 3 is the Patterson "EL" No. 2 -- I'm sorry, excuse me. I said the Patterson "EL" No. 2. It's the David Faskin-Yates 6 Federal No. 1, located in Section 6 of 18, 26.

It has a sand body which seems to be in the same stratigraphic interval as the subject well's completed in the Morrow reservoir; however, it was drill stem tested and drill stem test number 3 is shown on the cross section, and found to be noncommercial due to the fact that

1 it flowed only 47 Mcf per day, 18 psi on a 1/4 inch choke.

2 The zone was never perforated and the well
3 was plugged back to 8420 and was completed in the Atoka.

4 Also, it should be noted that the sand
5 body in the David Faskin-Yates 6 Federal No. 1, which seems
6 to be in the same interval as the subject well, is separated
7 by -- from the subject well by the Patterson "EL" No. 2,
8 which we've shown to be considerably depleted prior to the
9 completion of the Goat Roper, and that is another reason that
10 we say that the two wells, the Faskins-Yates 6 and the Goat
11 Roper, are not in communication.

12 The Yates 6 is located 1.9 miles from
13 the subject well.

14 If you'll turn to cross section number 4,
15 we'll discuss the Patterson "EL" No. 1. As can be seen on
16 the cross section, it has no sands that correlate with the
17 subject well's completed Morrow reservoir.

18 It's located 1.2 miles from the subject
19 well. It is important to note that there are no sands that
20 correlate here because we will have a well or two on the other
21 side of this particular well.

22 The Coquina-Superior Federal No. 1 is
23 also located on cross section number 4. Its surface location
24 is Section 1 of 18, 25. It was completed on 6-26-73 and --
25 I'm sorry, it was spudded on 6-25-73 and completed 8-7-73.

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1 It has two small sand units, which seem
2 to be in the same stratigraphic interval as the subject well's
3 completed Morrow reservoir; however, as can be seen on the
4 Exhibit Number Three land plat, the Superior Federal No. 1
5 is located 1.9 miles from the subject well and it's separated
6 from the subject well by the Patterson "EL" No. 1, the Patter-
7 son "EL" No. 2, the Haldeman "EN" No. 1, the ARCO "EC" State
8 No. 2. All of these wells are discussed within this report
9 and are proven to have no communication with the subject
10 well; therefor proving that the Superior Federal No. 1 should
11 not be in communication with the subject well.

12 Coquina Oil Corporation Superior No. 3
13 is also in cross section number 4. It was spudded 12-6-73
14 and completed 3-20-74. It has a perforated sand body which
15 seems to be in the same stratigraphic interval as the subject
16 well's completed Morrow reservoir; however, as can be seen on
17 Exhibit Three land plat, it is 2.3 miles from the subject well
18 and is separated from the subject well by five wells, the
19 Patterson "EL" No. 1, the Patterson "EL" No. 2, the Haldeman
20 "EN" No. 1, the ARCO "EC" State No. 2, and the Superior Feder-
21 al No. 1, all of which have been proven in this report not
22 to be in communication with the subject well.

23 We can go now to cross section number 4 --
24 excuse me, 5.

25 Cross section number 5 has on it the Halde-

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1 man "EN" No. 1. Yates Petroleum Corporation is operator. It
2 is located in Section 31 at 17, 26.

3 It was spudded 7-12-75, completed 8-24-75.
4 It has a perforated sand body which seems to be in the same
5 stratigraphic interval as the subject well's completed Morrow
6 reservoir; however, on 5-9-79, after producing 1.18 billion
7 cubic feet, the bottom hole pressure of the Haldeman "EN" No. 1
8 was 1569 pounds, and we attached the bottom hole pressure
9 survey in Exhibit Seven.

10 This pressure of 1569 pounds contrasts
11 with the subject well's virgin bottom hole pressure of 3532,
12 which proves no communication with the subject well.

13 The Haldeman "EN" is .8 miles away from
14 the subject well.

15 Yates Petroleum Corporation-ARCO "EC"
16 State No. 2, also shown on the cross section number 5, is
17 located in Section 36 of 17, 25. It was spudded 10-16-75,
18 completed 12-2-75.

19 MR. STAMETS: Peyton, that's an unusual
20 log.

21 A The ARCO "EC" State?

22 MR. STAMETS: Yes. It looks like on
23 reading down the lefthand side that you've got a lot of shale
24 in there, but you read down the right side of the log and it
25 doesn't reflect that.

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A It looks like there's a drastic change in the gamma ray of 83 -- from 8363, somewhere around there, top of the Morrow Clastics.

MR. STAMETS: I just thought perhaps you would remember why -- what, if you had something unusual in this particular well in that zone.

A No. I -- we didn't -- we completed the well in the Strawn. It was dry in the Morrow. And I do not know why there is -- should be a change. However, it does seem to be similar, when you look at the Haldeman "EN" Well; seems to be similar to the other wells on the log.

I don't know that it's that much of an anomaly with respect to your gamma ray.

MR. STAMETS: It may not be.

A I think it's possibly just a scale differentiation.

MR. STAMETS: Okay. I don't see that it's a problem. It just seemed unusual.

A Right. I have noticed a small problem in a typo error, though, in the process.

If you'll see in the written comment beside the ARCO "EC" State No. 2, it talks about the Johnson Com No. 1, which is the following well, and I have the correct comment for that. Obviously, I'll have to go back and talk to my secretary, but I would like to read into the record

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1 the correct comment on Well No. 9 in our sequence of dis-
2 cussion, the ARCO "EC" State No. 2.

3 The comment should read as follows:

4 The ARCO "EC" State No. 2 has no sands
5 capable of commercial production that correlate with the sub-
6 ject well's completed reservoir. The ARCO "EC" State No. 2
7 is 1.2 miles from the subject well.

8 And it also should show that it was com-
9 pleted from 7988 to 96 in the Strawn. It should show that it
10 is located in Section 36 of 17, 25.

11 I think the location is shown to be cor-
12 rect, but there is a mistype on the completion depth in the
13 Morrow -- I mean the formation, and the discussion.

14 And I might --

15 MR. STAMET3: Okay, we'll allow you to
16 submit a corrected page for that.

17 A Okay, we certainly will.

18 MR. PADILLA: Is what happened there you
19 just didn't get the comment on the No. 9 well, is that cor-
20 rect?

21 A That's right. It's obvious what happened.
22 It was --

23 MR. PADILLA: Typed twice?

24 A -- typed twice, right, and three things
25 were missed, the completion depth, the completion zone, and

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1 the comment, and I have read you the corrected completion
2 depth, which is in the Strawn. The well was not completed
3 in the Morrow, actually, and it's dry.

4 Okay. Our well No. 10 in sequence, the
5 Superior Johnson Com No. 1, also shown in cross section number
6 5, is in Section 2 of 18, 25. The well was spudded 9-6-73,
7 completed 11-1-73, in the Morrow -- it was completed in the
8 Morrow formation from 8380 to 8423.

9 It has a perforated sand body which seems
10 to be in the same stratigraphic interval as the subject well's
11 completed Morrow reservoir, although it barely appears to be
12 in it. There's a possibility that the top portion of the
13 sand may be in the same interval; however, the Johnson Com
14 No. 1 is 2.7 miles away and is separated from the subject
15 well by the ARCO "EC" State No. 2, which was pointed out as
16 dry in the Morrow, and the Maldeman "EN" No. 1, both of which
17 have been discussed herein and have proven to be in no com-
18 munication with the subject well, and therefor, the Superior
19 Johnson Com No. 1 is not in communication with the subject
20 well.

21 Turn to cross section number 6. Cross
22 section number 6 we discuss the Yates Petroleum Corporation
23 Powell "DG" No. 1, located in Section 35 of 17, 25. It was
24 spudded 6-14-74 and completed 6-13-75.

25 The well was originally completed in the

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1 Morrow, was recompleted in the Wolfcamp at 6539 to 6683, and
2 it has no sands capable of commercial production that correlate
3 with the subject well's completed Morrow Reservoir.

4 It's located 2.4 miles away from the sub-
5 ject well.

6 Cross section number 7, Yates Petroleum
7 Corporation-ARCO "EC" State No. 1, Section 36 of 17,25, spudded
8 3-20-75, completed 5-29-75.

9 It was originally completed in the Morrow
10 from 8338 to 65 and then on 3-28-79 recompleted in the Strawn
11 from 7952 to 78, and in the Permo-Penn on 7-11-79 at a depth
12 of 6534 to 6692.

13 The Morrow formation, which is located
14 as shown on the cross section in the perforated 38 to 65, may
15 possibly correlate with the subject well and -- however, that
16 Morrow formation, or Morrow reservoir, was depleted on 11-2-78
17 after producing 4.6 billion cubic feet of gas with a bottom
18 hole pressure of 310 pounds was recorded.

19 The bottom hole pressure survey is at-
20 tached. And that bottom -- that 310 psig is in contrast to
21 the subject well's virgin pressure of 3532.

22 The ARCO "EC" is located 1.2 miles from
23 the subject well.

24 The Morrow was abandoned in 3-79 because
25 of its depleted state.

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1 The Yates Petroleum Corporation Caskey
2 "EV" No. 1 is located on cross section number 8.

3 The well was spudded 11-19-75, completed
4 7-19-75, and it's located in Section 25 of 17, 25 -- I mean,
5 excuse me, I jumped down.

6 The Caskey "EV" No. 1 was spudded 11-19-75,
7 completed 1-14-76 and is located in Section 30 of 17, 26.

8 It was completed in the Atoka formation,
9 8015 to 8166, and has no commercial sands in the Morrow that
10 correlate with the subject well.

11 In fact, it's a dry hole in the Morrow.
12 This is the same well, by the way, that is in the proration
13 unit. It's only .6 of a mile away from the subject well but
14 you can see the obvious difference in the Morrow sands from
15 one well to the next.

16 The Caskey "EV" is not in communication
17 with the subject well.

18 The Yates Petroleum Corporation Jackson
19 "EM" Com No. 1, also shown in cross section number 8, is
20 located in Section 25, of 17, 25, and it was spudded 6-15-75
21 and completed 7-19-75. It was completed in the Morrow from
22 8282 to 8370.

23 There is a very small sand body of very
24 poor quality that may lie in the same stratigraphic interval
25 as the subject well's completed Morrow reservoir, and that

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1 sand body is located at approximately 8257 -- 55, and it con-
2 sisted of 1-foot of pay; however, the Jackson "EM" Com No. 1
3 is separated from the subject well by the Caskey "EV" No. 1,
4 which is discussed herein and found to have no communication
5 between the subject well and the Caskey, and therefor, there
6 is no communication between the Jackson "EM" Com and the sub-
7 ject well.

8 The Jackson "EM" Com is 1.2 miles away
9 from the subject well.

10 The Western Flint No. 2 is also located --
11 is also shown on cross section number 8. It's located in
12 Section 25 of 17, 25. It was spudded 6-13-75 and completed
13 8-14-75.

14 The Flint has a perforated sand body
15 which may correlate with the subject well's completed Morrow
16 reservoir; however, the Flint No. 2 on 11-1-77 had a shut-in
17 tubing pressure of 2017 psi compared with 2763 shut-in tubing
18 pressure three years later on the subject well.

19 The Flint No. 2 is also separated from
20 the subject well by the Jackson "EM" No. 1 and the Caskey
21 "EV" No. 1, both of which have been shown to have no commun-
22 ication, and therefor, the Flint does not communicate with
23 the subject well.

24 The Flint No. 2 is located 1.4 miles from
25 the subject well.

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1 The Yates Petroleum Corporation Manseau
2 "EK" No. 1, also shown on cross section number 8, located in
3 Section 35 of 17, 25, was spudded 5-21-75, completed 6-23-75.

4 It has no sands capable of commercial
5 production that correlate with the subject well's completed
6 Morrow reservoir.

7 It's located 1.7 miles from the subject
8 well.

9 Cross Section number 9.

10 Cross section number 9, the Western Oil
11 Producers Flint No. 1, which is located in Section 25 of 17,
12 25, was spudded 2-6-74, completed 4-18-74. It was completed
13 in the Cisco zone, 6480 to 6534.

14 It has no sands -- it has no sands capable
15 of commercial production that correlate with the subject
16 well's completed Morrow reservoir.

17 Did I do that properly with respect to the
18 Manseau, or did I go off the -- did I discuss the Manseau,
19 the last well?

20 MR. STAMETS: Yeah.

21 A Okay. Did I say Manseau instead of Flint
22 or Flint instead of Manseau?

23 MR. STAMETS: You said Manseau.

24 A Okay. Anyway, they're both the same
25 thing. Neither one of them had commercial sand.

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1 Okay, let's go -- start with the Gossett
2 "EU".

3 The Gossett "EU" No. 1, Yates Petroleum
4 Corporation, located in Section 26 of 17, 25, is also shown
5 on cross section number 9. Spudded 12-1-75, completed
6 12-15-75 in the Wolfcamp from 6624 to 44 and has no sands in
7 the Morrow that correlate with the subject well.

8 On cross section number 10 the Jackson
9 "GM" No. 1, also a Yates Petroleum Corporation well, located
10 in Section 24 of 17, 25, spudded 8-27-76, completed 11-3-76
11 in the Morrow from 8120 to 8278, has a perforated sand body
12 that correlates with the subject well's completed Morrow
13 reservoir.

14 However, on 4-14-78 after producing 234
15 million cubic feet of gas the bottom hole pressure was 2505.
16 The bottom hole pressure survey is attached.

17 That's in contrast to the subject well's
18 virgin bottom hole pressure of 3532, showing no communication
19 with the subject well.

20 Also, the Jackson "GM" producing reservoir
21 is an approved Section 102 new reservoir, so that even if
22 there were correlation, it would not make any difference in
23 the same zone because it's approved to be a new one.

24 The Jackson "GM" is located 1.7 miles
25 from the subject well.

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1 Cross section 11, and the last one, the
2 last well, Yates Petroleum Corporation City of Artesia "EQ"
3 Com No. 1, located in Section 24 of 17, 25, was originally
4 spudded 8-16-75, completed 9-18-75 in the Atoka and recom-
5 pleted 11-15-75 -- I'm sorry, 11-30-75 in the Wolfcamp, 6530
6 to 6600, and it has no sands capable of commercial production
7 in the Morrow reservoir, as shown on the logs.

8 Q Mr. Yates, is that all you have to say
9 in regard to Exhibits One through Seven?

10 A Yes, sir.

11 Q Mr. Yates, were these exhibits prepared
12 by you or under your direction?

13 A Yes, sir, certainly was.

14 MR. DICKERSON: Mr. Examiner, we'd move
15 admission of Exhibits One through Seven at this time.

16 MR. STAMETS: These exhibits will be ad-
17 mitted.

18 Q Mr. Yates, in your opinion, was natural
19 gas produced in commercial quantities from the reservoir and
20 the subject well prior to April 20, 1977?

21 A No, sir.

22 Q In your opinion was the reservoir pene-
23 trated in the subject well, penetrated before April 20, 1977,
24 by an old well from which natural gas or crude oil was pro-
25 duced in commercial quantities?

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1 A No, sir.

2 MR. DICKERSON: Mr. Examiner, unless you
3 have questions, that's all I have.
4

5 CROSS EXAMINATION

6 BY MR. STAMETS:

7 Q Mr. Yates, has your geological staff ana-
8 lyzed the nature of the Morrow formation in this zone to be
9 channel sands, beach bar type sands?

10 A Do you want us to tell our trade secrets?
11 No, the opinion seems to be that these are primarily channel
12 sands that are running through here. We seem to be tying
13 into very few beach sands and particularly, no beach sands
14 that are integrated, that are in communication with the
15 channel sands.

16 When you go further to the south, you
17 encounter the old Atoka-Morrow Field, near the city of Atoka,
18 and it's real strength, and the reason it produced over 100
19 billion cubic feet of gas, is because there are channel sands
20 tied in with beach sands.

21 But when you go further to the north,
22 it doesn't seem to happen to the extent -- or to any degree,
23 that I know of, and this is the reason that we keep encounter-
24 ing virgin pressures and also do not have the reserves in
25 the wells that we've encountered to the south.

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1 Q Is a channel sand situation one which
2 lends itself to finding very closely spaced wells in totally
3 separate reservoirs?

4 A Yes, that's particularly true, and es-
5 pecially going on an east/west direction. For example, when
6 you go from the "EV" No. 1 to the Goat Roper "LP", right in
7 the same south half of 30, the channel sands seem to have a
8 north/south direction, generally speaking, but I know of only
9 two wells that are in the same channel, the Jackson "EM" No.
10 1 and the ARCO "EC" State No. 1 are in the same channel, and
11 they're very close in Sections 25 and 35, that -- and they're
12 north/south connection.

13 MR. STAMETS: Are there any other ques-
14 tions of this witness? He may be excused.

15 Anything further in this case?
16 Have we admitted these exhibits?

17 MR. DICKERSON: Yes.

18 MR. STAMETS: Okay, if there is nothing
19 further, this case will be taken under advisement.
20

21 (Hearing concluded.)
22
23
24
25

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C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that
the foregoing Transcript of Hearing before the Oil Conserva-
tion Division was reported by me; that the said transcript
is a full, true, and correct record of the hearing, prepared
by me to the best of my ability.

SALLY W. BOYD, C.S.R.

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I do hereby certify that the foregoing is
a complete record of the proceedings in
the Examiner hearing of Case No. _____,
heard by me on _____ 19____.

_____, Examiner
Oil Conservation Division



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

July 23, 1980

Mr. Chad Dickerson
Losee, Carson & Dickerson
Attorneys at Law
Post Office Box 239
Artesia, New Mexico 88210

Re: CASE NO. 6917
ORDER NO. R-6405

Applicant:

Yates Petroleum Corporation

Dear Sir:

Dear Sir:

Enclosed herewith are two copies of the above-referenced Division order recently entered in the subject case.

Yours very truly,

JOE D. RAMEY
Director

JDR/Ed

Copy of order also sent to:

Hobbs OCD X

Artesia OCD X

Artec OCD

Other

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 6917
Order No. R-6405

APPLICATION OF YATES PETROLEUM
CORPORATION FOR AN NGPA DETERMINATION,
EDDY COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on June 25, 1980,
at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 22nd day of July, 1980, the Division
Director, having considered the testimony, the record, and the
recommendations of the Examiner, and being fully advised in the
premises,

FINDS:

(1) That due public notice having been given as required
by law, the Division has jurisdiction of this cause and the
subject matter thereof.

(2) That the applicant, Yates Petroleum Corporation, seeks
a determination by the Division, in accordance with Sections
2 (6) and 102 of the Natural Gas Policy Act of 1978, and the
applicable rules of the Federal Energy Regulatory Commission,
that its Goat Roper "LP" Com Well No. 1, located in Unit P of
Section 30, Township 17 South, Range 26 East, NMPN, Eddy County,
New Mexico, has discovered a new onshore reservoir from which
natural gas was not produced in commercial quantities before
April 20, 1977.

(3) That said well was completed in the Morrow formation
with perforations from 8365 feet to 8373 feet, and a plugged-
back depth of 8490 feet after having been drilled to a total
depth of 8610 feet.

(4) That although there are several wells in the general
vicinity of the subject well which have penetrated and are or

-2-

Case No. 6917
Order No. R-6405

were completed in the Morrow formation, pressures and productive capacity encountered in said Goat Roper "LP" Com Well No. 1 as compared to said wells are completely distinctive and are indicative of an undrained reservoir.

(5) That the combined geological and engineering data presented establishes that said Goat Roper "LP" Com Well No. 1 has been completed in a new onshore reservoir as defined by the provisions of Section 102 of the Natural Gas Policy Act of 1978 and the applicable rules of the Federal Energy Regulatory Commission.

IT IS THEREFORE ORDERED:

(1) That the Yates Petroleum Corporation Goat Roper "LP" Com Well No. 1, located in Unit P of Section 30, Township 17 South, Range 26 East, NEPM, Eddy County, New Mexico, is completed in a new onshore reservoir as defined by Sections 2 (6) and 102 of the Natural Gas Policy Act of 1978, and the applicable rules of the Federal Energy Regulatory Commission.

(2) That jurisdiction of this cause is hereby retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


JOE D. RAMEY
Director

SEAL

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STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. ~~6333~~ 6917
Order No. ~~R-6322~~ R-6405

Yates Petroleum Corporation

APPLICATION OF ~~ANADARKO PRODUCTION~~
COMPANY FOR AN NGPA DETERMINATION,
EDDY COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on ~~March 12, 1980~~ June 25, 1980,
at Santa Fe, New Mexico, before Examiner ~~Daniel S. Nutter~~ RLS

NOW, on this 24th day of ~~April~~ 1980, the Division
Director, having considered the testimony, the record, and the
recommendations of the Examiner, and being fully advised in the
premises,

FINDS:

(1) That due public notice having been given as required
by law, the Division has jurisdiction of this cause and the
subject matter thereof.

(2) That the applicant, *Yates Petroleum Corporation*
~~Anadarko Production Company~~, seeks
a determination by the Division, in accordance with Sections
2 (6) and 102 of the Natural Gas Policy Act of 1978, and the
applicable rules of the Federal Energy Regulatory Commission,
that its New Mexico State "AB" Com Well No. 1, located in Unit
H of Section 36, Township 18 South, Range 28 East, NMPM, Eddy
County, New Mexico, has discovered a new onshore reservoir from
which natural gas was not produced in commercial quantities
before April 20, 1977.

(3) That said well was completed in the ~~Upper~~ Morrow forma-
tion with perforations from 10,962 feet to 10,982 feet and from
~~10,988 feet to 10,994 feet~~, and a plugged-back depth of ~~11,219~~ 8490
feet after having been drilled to a total depth of ~~11,276~~ 8610 feet.

(4) That although there are several wells in the general
vicinity of the subject well which have penetrated and are or
were completed in the ~~Lower~~ Morrow formation, pressures and

East River "1.0" Com Well No. 1, located in
Unit H of Section 36, Township 18 South, Range 28
East,

-2-

Case No. 6845
Order No. R-6322

~~and~~ productive capacity encountered in said ~~New Mexico State~~ *Goat Roper "LP"*
~~and~~ Com Well No. 1 as compared to said wells are completely
distinctive and are indicative of an undrained reservoir.

(5) That the combined geological and engineering data
presented establishes that said ~~New Mexico State~~ *Goat Roper "LP"* "AB" Com Well
No. 1 has been completed in a new onshore reservoir as defined
by the provisions of Section 102 of the Natural Gas Policy Act
of 1978 and the applicable rules of the Federal Energy Regula-
tory Commission.

IT IS THEREFORE ORDERED:

(1) That the ~~Anadarko Production Company~~ *Yates Petroleum Corporation* ~~New Mexico State~~ *Goat Roper "LP"*
~~and~~ Com Well No. 1, located in Unit *P* of Section 30, Township
17 South, Range 26 East, NMPM, Eddy County, New Mexico, is com-
pleted in a new onshore reservoir as defined by Sections 2 (6)
and 102 of the Natural Gas Policy Act of 1978, and the applicable
rules of the Federal Energy Regulatory Commission.

(2) That jurisdiction of this cause is hereby retained for
the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year herein-
above designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

Joe D. Ramey
JOE D. RAMEY
Director

S E A L

fd/

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
STATE LAND OFFICE BLDG.
SANTA FE, NEW MEXICO
25 June 1980

EXAMINER HEARING

IN THE MATTER OF:

Application of Yates Petroleum Corpor-) CASE
ation for an NGPA determination, Eddy) 6917
County, New Mexico.)

BEFORE: Richard L. Stamets

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation
Division:

Ernest L. Padilla, Esq.
Legal Counsel to the Division
State Land Office Bldg.
Santa Fe, New Mexico 87501

For the Applicant:

Chad Dickerson, Esq.
LOSEE, CARSON, & DICKERSON P.A.
Artesia, New Mexico 88201

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I N D E X

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PEYTON YATES

Direct Examination by Mr. Dickerson 3
Cross Examination by Mr. Stamets 26

E X H I B I T S

Applicant Exhibit One, Plat 4
Applicant Exhibit Two, Documents 5
Applicant Exhibit Three, Plat 6
Applicant Exhibit Four, Cross Sections 7
Applicant Exhibit Five, Completion Cards 8
Applicant Exhibit Six, Document 8
Applicant Exhibit Seven, Well Data 8

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Page 3

1 MR. STAMETS: We'll call next Case 6917.

2 MR. PADILLA: The application of Yates
3 Petroleum Corporation for an NGPA determination, Eddy County,
4 New Mexico.

5 MR. DICKERSON: Mr. Examiner, my name is
6 Chad Dickerson, of Artesia, New Mexico.

7 I have one witness.

8 MR. STAMETS: Any other appearances?

9
10 (Witness sworn.)

11 PEYTON YATES

12 being called as a witness and having been duly sworn upon his
13 oath, testified as follows, to-wit:
14

15
16 DIRECT EXAMINATION

17 BY MR. DICKERSON:

18 Q Will you state your name, your occupation,
19 and by whom you're employed, please?

20 A Peyton Yates. I'm a petroleum engineer
21 and independent oil operator, from Artesia, New Mexico, re-
22 presenting Yates Petroleum Corporation.

23 Q Mr. Yates, have you previously testified
24 before this Division and had your credentials made a matter
25 of public record?

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Page 4

1 A Yes, sir.

2 Q And are you familiar with the purposes
3 of the application and the exhibits upon which you intend to
4 rely?

5 A Yes, sir.

6 MR. DICKERSON: Mr. Examiner, is the wit-
7 ness qualified?

8 MR. STAMETS: Yes.

9 Q Mr. Yates, please refer to what is marked
10 Exhibit Number One and describe what this shows.

11 Well, before we get to that, would you
12 briefly describe for the Examiner the purpose of the applica-
13 tion of Yates Petroleum Corporation?

14 A The purpose of this application is to
15 seek approval of Section 102, new reservoir status, for the
16 Yates Petroleum Corporation Goat Roper "LP" Com No. 1.

17 Q Now would you refer to Exhibit Number One
18 and describe what it shows?

19 A Exhibit Number One is a land plat showing
20 the location of the Goat Roper "LP" No. 1, and colored in
21 yellow, the proration unit assigned to the well.

22 The well is located in the south half,
23 Unit "P", of Section 30, 17 South, 26 East, Eddy County,
24 New Mexico.

25 Q Mr. Yates, I notice the plat shows another

1 well located within that proration unit. Would you explain
2 to the Examiner how that came to be?

3 A Yes. The other well located in the -- also
4 in the south half proration unit in Section 30, is the Caskey
5 "EV" No. 1, also a Yates Petroleum Corporation well. It is
6 in the southwest quarter of Section 30.

7 The Caskey "EV" was completed in the Mor-
8 row formation. We, Yates Petroleum Corporation, drilled the
9 Goat Roper, also in the south half, and we are here today to
10 show that we have found a new reservoir in the Morrow formation
11 in the Goat Roper "LP" No. 1.

12 MR. STAMETS: Will you be telling us the
13 status of the Caskey Well?

14 A The Caskey Well is presently producing gas
15 out of the Morrow formation.

16 That's my mistake. It is completed in
17 the Atoka formation. We've provided a completion card of the
18 Caskey.

19 Q Mr. Yates, refer to what is marked Exhibit
20 Number Two and briefly describe what it shows, please.

21 A Exhibit Number Two consists of the --
22 several items that are required under the FERC regulations
23 and the State of New Mexico regulations for applications for
24 Section 102.

25 It consists of, first of all, a list of

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1 the items that are included in the total application, with a
2 cover letter; an affidavit stating that Yates Petroleum Cor-
3 poration has notified all the pertinent parties in the well
4 and offsetting the well; the FERC Form 121; the completion --
5 or the State of New Mexico Form C-132, completion report,
6 NMOCD completion report; the notice of intent to drill for
7 the subject well, to which is attached a well location and
8 dedication plat; and the sworn statement under oath of Yates
9 Petroleum, as required by the FERC regulations and the State
10 of New Mexico; and a gas analysis of the Goat Roper "LP" No.
11 1.

12 Q So briefly stated, the Exhibit Number
13 Two is a transmittal of all required information under both
14 the Federal and the State regulations concerning this deter-
15 mination?

16 A That's correct. It was -- the cover
17 letter was dated April 17th, 1980, and I believe it was re-
18 ceived on the 23rd of April at the Commission offices, of
19 1980.

20 Q Mr. Yates, turn to Exhibit Number Three
21 and briefly describe what it shows.

22 A Exhibit Number Three is a land plat
23 showing the locations of the pertinent wells that were studied
24 by Yates Petroleum in determining whether or not the Goat
25 Roper "LP" No. 1 Morrow reservoir was a new reservoir, and

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1 also has drawn on it the structure contours at the top of the
2 Morrow Clastics in the Pennsylvanian formation.

3 Q What's the significance of the Roman
4 numerals there, Mr. Yates?

5 A The Roman numerals indicate the number of
6 cross section which also has been supplied to the Commission.
7 We've drawn a cross section from the Goat Roper Well through
8 each of the wells shown in the land plat in Exhibit Three.

9 Q Mr. Yates, there are some wells shown on
10 your plat which are not shown on the cross sections. What's
11 the reason for that?

12 A The wells were either dry holes and were
13 not pertinent to the discussion because they did not penetrate
14 a Morrow reservoir which was capable of production; or they
15 were wells spudded after 4-20-77 and therefor were incapable
16 of producing gas out of the Morrow prior to 4-20-77.

17 Q Mr. Yates, will you describe the relation-
18 ship between Exhibit Number Four and Exhibit Number Three,
19 please?

20 A Exhibit Number Four is the set of cross
21 sections, cross sections 1 through 11, of the wells that were
22 studied by -- the wells that are considered pertinent to dis-
23 cussion of a new reservoir by Yates Petroleum Corporation.

24 Q To the extent it will aid your discussion
25 of the matters you intend to cover, Mr. Yates, briefly refer

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1 to Exhibits Five, Six, and Seven and describe to the Examiner
2 what those instruments are.

3 A Exhibit Number Five consists of completion
4 cards, or if completion cards were unavailable, actual Xeroxed
5 copies of completion reports, of all wells shown on Exhibit
6 Three. The purpose of this Exhibit Number Five is to show
7 not only spud date but completion history of each of the wells
8 under discussion.

9
10 Q And Exhibit Five further reflects the
11 material upon which your conclusions were based?

12 A That is correct. The material, and if
13 there were any other material required we had it, discussed
14 it in Exhibits Six and Seven.

15 Exhibit Number Six is our actual written
16 discussion that we submit with all of our Section 102 appli-
17 cations. It's a discussion of each pertinent well surrounding
18 the subject well.

19 Exhibit Number Seven is a compilation of
20 individual well data, when necessary, to establish our case.
21 Exhibit Seven consists of several bottom hole pressure re-
22 ports, reports from the New Mexico Annual Survey of production,
23 which indicate shut-in tubing pressures, and there is also a
24 copy of a letter submitted to the Commission by Yates Petro-
25 leum Corporation with respect to one of the wells discussed

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1 herein, and we will go over each of these in our discussion
2 today.

3 MR. DICKERSON: Mr. Examiner, for clarity
4 I might point out that the instruments which are referred to
5 in Exhibit Number Six, as attached, are in this presentation
6 shown in Exhibit Number Seven.

7 Q Mr. Yates, will you review your findings
8 based on these exhibits and tell the Examiner why Yates Pet-
9 roleum Corporation feels that this subject well is entitled
10 to a determination as a new onshore well? Reservoir?

11 A First of all, the completion of the sub-
12 ject well in a proration unit which may or may not be -- in
13 which another well already exists, which may or may not be
14 completed in the Morrow -- as we say, the completion card
15 shows it to be completed in the Atoka -- is of no importance
16 provided that the reservoir that's completed in the subject
17 well, the Goat Roper, is indeed a new reservoir, which we
18 will attempt to show today.

19 If you will turn, please, to Exhibit
20 Number Six, you can follow our discussion. We will refer to
21 Exhibit Six, Exhibit Number Four, and Exhibit Number Seven.
22 Exhibit Number Five will be -- is back-up information, again
23 the completion cards, for our discussion in Exhibit Six, but
24 we will have to make reference to Exhibits Four and Seven.

25 First of all, with respect to the subject

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1 well --

2 MR. STAMETS: Let me unfold all these
3 maps --

4 A. Okay, fine.

5 MR. STAMETS: -- before you start that.
6 It would be a whole lot simpler.

7 A. I might do the same.

8 The subject well is completed in an area
9 of intense Morrow exploration and development. The well was
10 completed 3-9-80 in the Morrow formation with perforations
11 at 8365 to 8373.

12 The Morrow reservoir perforated in the
13 subject well was at virgin pressure when the well was com-
14 pleted.

15 A 120-hour shut-in tubing pressure of
16 2763 psig and a shut-in bottom hole pressure of 3532 psig was
17 recorded on 3-15-80, indicating virgin pressure in the Morrow
18 formation -- in the Morrow reservoir.

19 A copy of the bottom hole pressure survey
20 is attached in Exhibit Seven.

21 Please refer now to Exhibit Four, cross
22 section 1. The first cross section shows a comparison of the
23 subject well, the Goat Roper, versus the Maddox Energy Com-
24 pany Martin Com No. 1, located in Section 29 of 17, 26, and
25 shown on the plat provided.

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1 It was completed -- spudded in February
2 of 1977, February the 10th, 1977, and completed 5-23-77.

3 It has, as is shown on the log, comparisons,
4 no Morrow sands capable of production that correlate with
5 subject well.

6 It is located .4 of a mile from the sub-
7 ject well.

8 It might be pointed out, also, that the
9 Martin Com was spudded -- was completed 5-23-77 and there
10 were no sales, no production, prior to that time and it was
11 not capable, therefor, of having a commercial production out
12 of any reservoir prior to the completion date.

13 Cross section number 2 shows a comparison
14 of the Yates Petroleum Corporation Goat Roper, the subject
15 well, versus the David Faskin-Armstrong 5 No. 1, which has
16 now been recompleted by the Yates Petroleum Corporation as the
17 Armstrong "CT" No. 1, located in Section 5 of 18, 26.

18 It was spudded in June of 1973 and com-
19 pleted 10-8-73. It was originally completed in the Atoka-
20 Morrow formation with perforations from 8381 to 87, 8455 to
21 60, 8499 to 8503, 8566 to 8567, and 8616 to 8619.

22 There is a very small, 1-foot perforated
23 sand body, which correlates with the subject well. That sand
24 body is located -- or that perforation is 8566 to 67 and can
25 be seen on the log as a very small blip of porosity, very poor

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porosity, as indicated by the CNL/FDC log.

The well was completed for 1.1 million cubic feet at 195 pounds out of the five sets of perforations in the Atoka-Morrow, as reported.

On 8-16-77 a shut-in tubing pressure of 1051 psig was reported and a copy of this Annual Survey report is attached in Exhibit Seven.

At the end of May, 1978, the Atoka-Morrow interval had produced 215 million cubic feet of gas and was producing at or near a depleted rate of 30 to 50 Mcf per day.

In March, '78, approval was requested to recomplete the well in the Strawn formation and commingle the Strawn and the Atoka-Morrow, and a copy of that letter is attached in Exhibit Seven.

The Strawn was perforated 6-22-78 and commingling was approved in October of '78.

The near depletion of the Atoka-Morrow interval, including the perforated interval, the one perforated foot that possibly correlates with the subject well, indicates that there is no communication between the two wells because of the fact that we found virgin pressure in the Goat Roper No. 1. A shut-in tubing pressure of 1563 psig on 8-3-79, again of the commingled zones, indicates that we are reaching depletion on both the Strawn and Morrow zones.

The well is located 1.9 miles from the

1 subject well.

2 Cross section number 3, the Patterson
3 "EL" No. 2 has a perforated sand body that appears to corre-
4 late with the subject well's completed Morrow reservoir; how-
5 ever, on 6-17-80, after 176-hour shut-in, the bottom hole
6 pressure was 1778 psig, and the bottom hole pressure survey
7 is attached in Exhibit Seven, and it proves the well not to
8 be in communication with the subject well.

9 The Patterson "EL" No. 2 was spudded
10 after 4-20-77 and is 1.2 miles from the subject well.

11 This is a very common feature in this
12 particular area, that we have a lot of correlative sand
13 bodies which are not in communication. We've experienced
14 virgin pressures in nearly every offset well in this imme-
15 diate area, even though we have correlative sands on the
16 logs.

17 Also on cross section number 3 is the
18 Patterson "EL" No. 2 -- I'm sorry, excuse me. I said the
19 Patterson "EL" No. 2. It's the David Faskin-Yates 6 Federal
20 No. 1, located in Section 6 of 18, 26.

21 It has a sand body which seems to be in
22 the same stratigraphic interval as the subject well's com-
23 pleted in the Morrow reservoir; however, it was drill stem
24 tested and drill stem test number 3 is shown on the cross
25 section, and found to be noncommercial due to the fact that

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1 it flowed only 47 Mcf per day, 18 psi on a 1/4 inch choke.

2 The zone was never perforated and the well
3 was plugged back to 8420 and was completed in the Atoka.

4 Also, it should be noted that the sand
5 body in the David Faskin-Yates 6 Federal No. 1, which seems
6 to be in the same interval as the subject well, is separated
7 by -- from the subject well by the Patterson "EL" No. 2,
8 which we've shown to be considerably depleted prior to the
9 completion of the Goat Roper, and that is another reason that
10 we say that the two wells, the Faskins-Yates 6 and the Goat
11 Roper, are not in communication.

12 The Yates 6 is located 1.9 miles from
13 the subject well.

14 If you'll turn to cross section number 4,
15 we'll discuss the Patterson "EL" No. 1. As can be seen on
16 the cross section, it has no sands that correlate with the
17 subject well's completed Morrow reservoir.

18 It's located 1.2 miles from the subject
19 well. It is important to note that there are no sands that
20 correlate here because we will have a well or two on the other
21 side of this particular well.

22 The Coquina-Superior Federal No. 1 is
23 also located on cross section number 4. Its surface location
24 is Section 1 of 18, 25. It was completed on 6-26-73 and --
25 I'm sorry, it was spudded on 6-26-73 and completed 8-7-73.

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1 It has two small sand units, which seem
2 to be in the same stratigraphic interval as the subject well's
3 completed Morrow reservoir; however, as can be seen on the
4 Exhibit Number Three land plat, the Superior Federal No. 1
5 is located 1.9 miles from the subject well and it's separated
6 from the subject well by the Patterson "EL" No. 1, the Patter-
7 son "EL" No. 2, the Haldeman "EN" No. 1, the ARCO "EC" State
8 No. 2. All of these wells are discussed within this report
9 and are proven to have no communication with the subject
10 well; therefor proving that the Superior Federal No. 1 should
11 not be in communication with the subject well.

12 Coquina Oil Corporation Superior No. 3
13 is also in cross section number 4. It was spudded 12-6-73
14 and completed 3-20-74. It has a perforated sand body which
15 seems to be in the same stratigraphic interval as the subject
16 well's completed Morrow reservoir; however, as can be seen on
17 Exhibit Three land plat, it is 2.3 miles from the subject well
18 and is separated from the subject well by five wells, the
19 Patterson "EL" No. 1, the Patterson "EL" No. 2, the Haldeman
20 "EN" No. 1, the ARCO "EC" State No. 2, and the Superior Feder-
21 al No. 1, all of which have been proven in this report not
22 to be in communication with the subject well.

23 We can go now to cross section number 4 --
24 excuse me, 5.

25 Cross section number 5 has on it the Halde-

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1 man "EN" No. 1. Yates Petroleum Corporation is operator. It
2 is located in Section 31 at 17, 26.

3 It was spudded 7-12-75, completed 8-24-75.
4 It has a perforated sand body which seems to be in the same
5 stratigraphic interval as the subject well's completed Morrow
6 reservoir; however, on 5-9-79, after producing 1.18 billion
7 cubic feet, the bottom hole pressure of the Haldeman "EN" No. 1
8 was 1569 pounds, and we attached the bottom hole pressure
9 survey in Exhibit Seven.

10 This pressure of 1569 pounds contrasts
11 with the subject well's virgin bottom hole pressure of 3532,
12 which proves no communication with the subject well.

13 The Haldeman "EN" is .8 miles away from
14 the subject well.

15 Yates Petroleum Corporation-ARCO "EC"
16 State No. 2, also shown on the cross section number 5, is
17 located in Section 36 of 17, 25. It was spudded 10-16-75,
18 completed 12-2-75.

19 MR. STAMETS: Peyton, that's an unusual
20 log.

21 A The ARCO "EC" State?

22 MR. STAMETS: Yes. It looks like on
23 reading down the lefthand side that you've got a lot of shale
24 in there, but you read down the right side of the log and it
25 doesn't reflect that.

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1 A It looks like there's a drastic change
2 in the gamma ray of 83 -- from 8363, somewhere around there,
3 top of the Morrow Clastics.

4 MR. STAMETS: I just thought perhaps you
5 would remember why -- what, if you had something unusual in
6 this particular well in that zone.

7 A No. I -- we didn't -- we completed the
8 well in the Strawn. It was dry in the Morrow. And I do not
9 know why there is -- should be a change. However, it does
10 seem to be similar, when you look at the Haldeman "EN" Well;
11 seems to be similar to the other wells on the log.

12 I don't know that it's that much of an
13 anomaly with respect to your gamma ray.

14 MR. STAMETS: It may not be.

15 A I think it's possibly just a scale dif-
16 ferentiation.

17 MR. STAMETS: Okay. I don't see that it's
18 a problem. It just seemed unusual.

19 A Right. I have noticed a small problem
20 in a typo error, though, in the process.

21 If you'll see in the written comment be-
22 side the ARCO "EC" State No. 2, it talks about the Johnson
23 Com No. 1, which is the following well, and I have the cor-
24 rect comment for that. Obviously, I'll have to go back and
25 talk to my secretary, but I would like to read into the record

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1 the correct comment on Well No. 9 in our sequence of dis-
2 cussion, the ARCO "EC" State No. 2.

3 The comment should read as follows:

4 The ARCO "EC" State No. 2 has no sands
5 capable of commercial production that correlate with the sub-
6 ject well's completed reservoir. The ARCO "EC" State No. 2
7 is 1.2 miles from the subject well.

8 And it also should show that it was com-
9 pleted from 7988 to 96 in the Strawn. It should show that it
10 is located in Section 36 of 17, 25.

11 I think the location is shown to be cor-
12 rect, but there is a mistype on the completion depth in the
13 Morrow -- I mean the formation, and the discussion.

14 And I might --

15 MR. STAMETS: Okay, we'll allow you to
16 submit a corrected page for that.

17 A Okay, we certainly will.

18 MR. PADILLA: Is what happened there you
19 just didn't get the comment on the No. 9 well, is that cor-
20 rect?

21 A That's right. It's obvious what happened.
22 It was --

23 MR. PADILLA: Typed twice?

24 A -- typed twice, right, and three things
25 were missed, the completion depth, the completion zone, and

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1 the comment, and I have read you the corrected completion
2 depth, which is in the Strawn. The well was not completed
3 in the Morrow, actually, and it's dry.

4 Okay. Our well No. 10 in sequence, the
5 Superior Johnson Com No. 1, also shown in cross section number
6 5, is in Section 2 of 18, 25. The well was spudded 9-6-73,
7 completed 11-1-73, in the Morrow -- it was completed in the
8 Morrow formation from 8380 to 8423.

9 It has a perforated sand body which seems
10 to be in the same stratigraphic interval as the subject well's
11 completed Morrow reservoir, although it barely appears to be
12 in it. There's a possibility that the top portion of the
13 sand may be in the same interval; however, the Johnson Com
14 No. 1 is 2.7 miles away and is separated from the subject
15 well by the ARCO "EC" State No. 2, which was pointed out as
16 dry in the Morrow, and the Haldeman "EN" No. 1, both of which
17 have been discussed herein and have proven to be in no com-
18 munication with the subject well, and therefor, the Superior
19 Johnson Com No. 1 is not in communication with the subject
20 well.

21 Turn to cross section number 6. Cross
22 section number 6 we discuss the Yates Petroleum Corporation
23 Powell "DG" No. 1, located in Section 35 of 17,25. It was
24 spudded 6-14-74 and completed 6-13-75.

25 The well was originally completed in the

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1 Morrow, was recompleted in the Wolfcamp at 6539 to 6683, and
2 it has no sands capable of commercial production that correlate
3 with the subject well's completed Morrow Reservoir.

4 It's located 2.4 miles away from the sub-
5 ject well.

6 Cross section number 7, Yates Petroleum
7 Corporation-ARCO "EC" State No. 1, Section 36 of 17,25, spudded
8 3-20-75, completed 5-29-75.

9 It was originally completed in the Morrow
10 from 8338 to 65 and then on 3-28-79 recompleted in the Strawn
11 from 7952 to 78, and in the Permo-Penn on 7-11-79 at a depth
12 of 6534 to 6692.

13 The Morrow formation, which is located
14 as shown on the cross section in the perforated 38 to 65, may
15 possibly correlate with the subject well and -- however, that
16 Morrow formation, or Morrow reservoir, was depleted on 11-2-78
17 after producing 4.6 billion cubic feet of gas with a bottom
18 hole pressure of 310 pounds was recorded.

19 The bottom hole pressure survey is at-
20 tached. And that bottom -- that 310 psig is in contrast to
21 the subject well's virgin pressure of 3532.

22 The ARCO "EC" is located 1.2 miles from
23 the subject well.

24 The Morrow was abandoned in 3-79 because
25 of its depleted state.

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The Yates Petroleum Corporation Caskey "EV" No. 1 is located on cross section number 8.

The well was spudded 11-19-75, completed 7-19-75, and it's located in Section 25 of 17, 25 -- I mean, excuse me, I jumped down.

The Caskey "EV" No. 1 was spudded 11-19-75, completed 1-14-76 and is located in Section 30 of 17, 26.

It was completed in the Atoka formation, 8015 to 8166, and has no commercial sands in the Morrow that correlate with the subject well.

In fact, it's a dry hole in the Morrow. This is the same well, by the way, that is in the proration unit. It's only .6 of a mile away from the subject well but you can see the obvious difference in the Morrow sands from one well to the next.

The Caskey "EV" is not in communication with the subject well.

The Yates Petroleum Corporation Jackson "EM" Com No. 1, also shown in cross section number 8, is located in Section 25, of 17, 25, and it was spudded 6-15-75 and completed 7-19-75. It was completed in the Morrow from 8282 to 8370.

There is a very small sand body of very poor quality that may lie in the same stratigraphic interval as the subject well's completed Morrow reservoir, and that

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1 sand body is located at approximately 8257 -- 55, and it con-
2 sisted of 1-foot of pay; however, the Jackson "EM" Com No. 1
3 is separated from the subject well by the Caskey "EV" No. 1,
4 which is discussed herein and found to have no communication
5 between the subject well and the Caskey, and therefor, there
6 is no communication between the Jackson "EM" Com and the sub-
7 ject well.

8 The Jackson "EM" Com is 1.2 miles away
9 from the subject well.

10 The Western Flint No. 2 is also located --
11 is also shown on cross section number 8. It's located in
12 Section 25 of 17, 25. It was spudded 6-13-75 and completed
13 8-14-75.

14 The Flint has a perforated sand body
15 which may correlate with the subject well's completed Morrow
16 reservoir; however, the Flint No. 2 on 11-1-77 had a shut-in
17 tubing pressure of 2017 psi compared with 2763 shut-in tubing
18 pressure three years later on the subject well.

19 The Flint No. 2 is also separated from
20 the subject well by the Jackson "EM" No. 1 and the Caskey
21 "EV" No. 1, both of which have been shown to have no commun-
22 ication, and therefor, the Flint does not communicate with
23 the subject well.

24 The Flint No. 2 is located 1.4 miles from
25 the subject well.

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1 The Yates Petroleum Corporation Manseau
2 "EK" No. 1, also shown on cross section number 8, located in
3 Section 35 of 17, 25, was spudded 5-21-75, completed 6-23-75.

4 It has no sands capable of commercial
5 production that correlate with the subject well's completed
6 Morrow reservoir.

7 It's located 1.7 miles from the subject
8 well.

9 Cross Section number 9.

10 Cross section number 9, the Western Oil
11 Producers Flint No. 1, which is located in Section 25 of 17,
12 25, was spudded 2-6-74, completed 4-18-74. It was completed
13 in the Cisco zone, 6480 to 6534.

14 It has no sands -- it has no sands capable
15 of commercial production that correlate with the subject
16 well's completed Morrow reservoir.

17 Did I do that properly with respect to the
18 Manseau, or did I go off the -- did I discuss the Manseau,
19 the last well?

20 MR. STAMETS: Yeah.

21 A Okay. Did I say Manseau instead of Flint
22 or Flint instead of Manseau?

23 MR. STAMETS: You said Manseau.

24 A Okay. Anyway, they're both the same
25 thing. Neither one of them had commercial sand.

1 Okay, let's go -- start with the Gossett
2 "EU".

3 The Gossett "EU" No. 1, Yates Petroleum
4 Corporation, located in Section 26 of 17, 25, is also shown
5 on cross section number 9. Spudded 12-1-75, completed
6 12-15-75 in the Wolfcamp from 6624 to 44 and has no sands in
7 the Morrow that correlate with the subject well.

8 On cross section number 10 the Jackson
9 "GM" No. 1, also a Yates Petroleum Corporation well, located
10 in Section 24 of 17, 25, spudded 8-27-76, completed 11-3-76
11 in the Morrow from 8120 to 8278, has a perforated sand body
12 that correlates with the subject well's completed Morrow
13 reservoir.

14 However, on 4-14-78 after producing 234
15 million cubic feet of gas the bottom hole pressure was 2505.
16 The bottom hole pressure survey is attached.

17 That's in contrast to the subject well's
18 virgin bottom hole pressure of 3532, showing no communication
19 with the subject well.

20 Also, the Jackson "GM" producing reservoir
21 is an approved Section 102 new reservoir, so that even if
22 there were correlation, it would not make any difference in
23 the same zone because it's approved to be a new one.

24 The Jackson "GM" is located 1.7 miles
25 from the subject well.

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1 Cross section 11, and the last one, the
2 last well, Yates Petroleum Corporation City of Artesia "EQ"
3 Com No. 1, located in Section 24 of 17, 25, was originally
4 spudded 8-16-75, completed 9-18-75 in the Atoka and recom-
5 pleted 11-15-75 -- I'm sorry, 11-30-75 in the Wolfcamp, 6530
6 to 6600, and it has no sands capable of commercial production
7 in the Morrow reservoir, as shown on the logs.

8 Q Mr. Yates, is that all you have to say
9 in regard to Exhibits One through Seven?

10 A Yes, sir.

11 Q Mr. Yates, were these exhibits prepared
12 by you or under your direction?

13 A Yes, sir, certainly was.

14 MR. DICKERSON: Mr. Examiner, we'd move
15 admission of Exhibits One through Seven at this time.

16 MR. STAMETS: These exhibits will be ad-
17 mitted.

18 Q Mr. Yates, in your opinion, was natural
19 gas produced in commercial quantities from the reservoir and
20 the subject well prior to April 20, 1977?

21 A No, sir.

22 Q In your opinion was the reservoir pene-
23 trated in the subject well, penetrated before April 20, 1977,
24 by an old well from which natural gas or crude oil was pro-
25 duced in commercial quantities?

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1 A. No, sir.

2
3 MR. DICKERSON: Mr. Examiner, unless you
4 have questions, that's all I have.
5

6 CROSS EXAMINATION

7 BY MR. STAMETS:

8 Q. Mr. Yates, has your geological staff ana-
9 lyzed the nature of the Morrow formation in this zone to be
10 channel sands, beach bar type sands?

11 A. Do you want us to tell our trade secrets?
12 No, the opinion seems to be that these are primarily channel
13 sands that are running through here. We seem to be tying
14 into very few beach sands and particularly, no beach sands
15 that are integrated, that are in communication with the
16 channel sands.

17 When you go further to the south, you
18 encounter the old Atoka-Morrow Field, near the city of Atoka,
19 and it's real strength, and the reason it produced over 100
20 billion cubic feet of gas, is because there are channel sands
21 tied in with beach sands.

22 But when you go further to the north,
23 it doesn't seem to happen to the extent -- or to any degree,
24 that I know of, and this is the reason that we keep encounter-
25 ing virgin pressures and also do not have the reserves in
the wells that we've encountered to the south.

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1 Q Is a channel sand situation one which
2 lends itself to finding very closely spaced wells in totally
3 separate reservoirs?

4 A Yes, that's particularly true, and es-
5 pecially going on an east/west direction. For example, when
6 you go from the "EV" No. 1 to the Goat Roper "LP", right in
7 the same south half of 30, the channel sands seem to have a
8 north/south direction, generally speaking, but I know of only
9 two wells that are in the same channel, the Jackson "EM" No.
10 1 and the ARCO "EC" State No. 1 are in the same channel, and
11 they're very close in Sections 25 and 35, that -- and they're
12 north/south connection.

13 MR. STAMETS: Are there any other ques-
14 tions of this witness? He may be excused.

15 Anything further in this case?
16 Have we admitted these exhibits?

17 MR. DICKERSON: Yes.

18 MR. STAMETS: Okay, if there is nothing
19 further, this case will be taken under advisement.

20
21 (Hearing concluded.)
22
23
24
25

SALLY W. BOYD, C.S.R.

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C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability.

Sally W. Boyd C.S.R.

SALLY W. BOYD, C.S.R.
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Santa Fe, New Mexico 87501
Phone (505) 455-7409

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 6917 heard by me on 6-25 1960.
Richard L. Hunt, Examiner
Oil Conservation Division

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
STATE LAND OFFICE BLDG.
SANTA FE, NEW MEXICO
4 June 1980

EXAMINER HEARING

IN THE MATTER OF:

Application of Yates Petroleum Corpor-) CASE
ation for an NGPA determination, Eddy) 6917
County, New Mexico.)

BEFORE: Daniel S. Nutter

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation
Division:

Ernest L. Padilla, Esq.
Legal Counsel to the Division
State Land Office Bldg.
Santa Fe, New Mexico 87501

SALLY W. BOYD, C.S.R.

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Santa Fe, New Mexico 87501
Phone (505) 455-7409

MR. NUTTER: We'll call next Case Number

6917.

MR. PADILLA: Application of Yates Petroleum Corporation for an NGPA determination, Eddy County, New Mexico.

MR. NUTTER: Applicant has requested continuance.

Case Number 6917 will be continued to the Examiner Hearing scheduled to be held at this same place at 9:00 o'clock a. m. June 25th, 1980.

(Hearing concluded.)

SALLY W. BOYD, C.S.R.
Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 455-7409

C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that
the foregoing Transcript of Hearing before the Oil Conserva-
tion Division was reported by me; that the said transcript
is a full, true, and correct record of the hearing, prepared
by me to the best of my ability.

Sally W. Boyd CSR

SALLY W. BOYD, C.S.R.
Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 455-7409

I do hereby certify that the foregoing is
a complete record of the proceedings in
the Examiner hearing of Case No. 6917,
heard by me on 6/4 1980.

[Signature], Examiner
Oil Conservation Division

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
STATE LAND OFFICE BLDG.
SANTA FE, NEW MEXICO
4 June 1980

EXAMINER HEARING

IN THE MATTER OF:

Application of Yates Petroleum Corpor-
ation for an NGPA determination, Eddy
County, New Mexico.

CASE
6917

BEFORE: Daniel S. Nutter

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation
Division:

Ernest L. Padilla, Esq.
Legal Counsel to the Division
State Land Office Bldg.
Santa Fe, New Mexico 87501

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MR. NUTTER: We'll call next Case Number

6917.

MR. PADILLA: Application of Yates Petroleum Corporation for an NGPA determination, Eddy County, New Mexico.

MR. NUTTER: Applicant has requested continuance.

Case Number 6917 will be continued to the Examiner Hearing scheduled to be held at this same place at 9:00 o'clock a. m. June 25th, 1980.

(Hearing concluded.)

SALLY W. BOYD, C.S.R.

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Phone (505) 455-7409

C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that
the foregoing Transcript of Hearing before the Oil Conserva-
tion Division was reported by me; that the said transcript
is a full, true, and correct record of the hearing, prepared
by me to the best of my ability.

SALLY W. BOYD, C.S.R.
Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 455-7409

I do hereby certify that the foregoing is
a complete record of the proceedings in
the Examiner hearing of Case No. 6917
heard by me on 6/4 1980.

 , Examiner
Oil Conservation Division

Dockets Nos. 20-80 and 21-80 are tentatively set for July 9 and 23, 1980. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - JUNE 25, 1980

9 A.M. - OIL CONSERVATION DIVISION CONFERENCE ROOM,
STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

The following cases will be heard before Richard L. Stamets, Examiner, or Daniel S. Nutter, Alternate Examiner:

CASE 6891: (Readvertised)

In the matter of the hearing called by the Oil Conservation Division on its own motion to permit Midwest Refining Company, United States Fidelity & Guaranty Company, and all other interested parties to appear and show cause why the State Well No. 1 located in Unit A of Section 16, Township 33 South, Range 14 West, Hidalgo County, should not be plugged and abandoned in accordance with a Division-approved plugging program.

CASE 6929: Application of Consolidated Oil & Gas, Inc. for downhole commingling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Blanco Mesaverde and Basin-Dakota production in the wellbore of its NCRA Well No. 1-E located in Unit G of Section 22, Township 26 North, Range 7 West, by using the Dakota gas for gas lift of Mesaverde liquids after metering on the surface.

CASE 6930: Application of Amoco Production Company for an unorthodox well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Empire South Deep Unit Well No. 21 to be drilled 660 feet from the North and East lines of Section 36, Township 17 South, Range 28 East, the E/2 of said Section 36 to be dedicated to the well.

CASE 6931: Application of H. L. Harvey for downhole commingling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Aztec-Fruitland and Bloomfield-Farmington production in the wellbore of his Jones Well No. 3 located in Unit B of Section 13, Township 29 North, Range 11 West.

CASE 6917: (Continued from June 4, 1980, Examiner Hearing)

Application of Yates Petroleum Corporation for an NGPA determination, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks a new onshore reservoir determination for its Goat Roper "LP" Com. Well No. 1 located in Unit P of Section 30, Township 17 South, Range 26 East.

CASE 6932: Application of Yates Petroleum Corporation for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its State "JM" Well No. 2, a Morrow test to be drilled 660 feet from the South and East lines of Section 25, Township 18 South, Range 24 East, the S/2 of said Section 25 to be dedicated to the well.

CASE 6933: Application of Yates Petroleum Corporation for two compulsory poolings, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Morrow formation underlying two 320-acre proration units, being the N/2 and the S/2 of Section 2, Township 19 South, Range 25 East, each to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said wells and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells, and a charge for risk involved in drilling said wells.

CASE 6934: Application of Coronado Exploration Corporation for three compulsory poolings, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the San Andres formation underlying three 40-acre proration units, being the NW/4 SE/4 of Section 6, the NE/4 SE/4 of Section 28, and the SW/4 NW/4 of Section 33, all in Township 11 South, Range 28 East, each to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said wells and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells, and a charge for risk involved in drilling said wells.

CASE 6901: (Continued from May 21, 1980, Examiner Hearing)

Application of Harvey E. Yates Company for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp thru Mississippian formations underlying the E/2 of Section 19, Township 14 South, Range 36 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.

- CASE 6935:** Application of Dugan Production Corporation for downhole commingling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Basin-Dakota and undesignated Gallup production in the wellbore of its June Joy Well No. 2 located in Unit B of Section 25, Township 24 North, Range 10 West.
- CASE 6936:** Application of Dugan Production Corporation for compulsory pooling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Dakota formation underlying the S/2 of Section 26, Township 30 North, Range 14 West, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.
- CASE 6916:** (Continued from June 4, 1980, Examiner Hearing)
Application of Petro-Lewis Corporation for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of the Drinkard and Blinbry production in the wellbore of its State DC Well No. 1, a quadruple completion located in Unit F of Section 19, Township 21 South, Range 37 East.
- CASE 6937:** Application of R. N. Hillin for an unorthodox location and dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of his DWV Well No. 4 to produce gas from the Wolfcamp and Morrow formations thru tubing and the annulus, respectively. Applicant further seeks approval of the unorthodox location of said well in the Wolfcamp and Pennsylvanian formations at a point 800 feet from the South line and 2000 feet from the East line of Section 34, Township 19 South, Range 28 East.
- CASE 6938:** Application of Anadarko Production Company for an unorthodox gas well location, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Dalport Federal Well No. 1 660 feet from the South and West lines of Section 20, Township 13 South, Range 31 East, Southeast Chaves Queen Gas Area, the W/2 of said Section 20 to be dedicated to the well.
- CASE 6939:** Application of Anadarko Production Company for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests at a depth from 2400 feet to 5000 feet below the surface, Turkey Track Field, underlying the NE/4 SE/4 of Section 10, Township 19 South, Range 29 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.
- CASE 6940:** Application of Adobe Oil Company for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests down through the Wolfcamp formation underlying the NW/4 SE/4 for oil and the SE/4 for gas, Section 23, Township 20 South, Range 38 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.
- CASE 6941:** Application of Ellwade Corporation for a non-standard gas proration unit, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 129.52-acre non-standard gas proration unit comprising the W/2 of partial Section 33, Township 26 South, Range 30 East, Ross Draw-Wolfcamp area, to be dedicated to its Ross Draw Well No. 1 located in Unit C of said Section 33.
- CASE 6942:** Application of Benson-Montin-Greer Drilling Corporation for amendment of Order No. R-2565-B, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Rule 2 of the Special Pool Rules for the West Puerto Chiquito-Mancos Oil Pool as promulgated by Order No. R-2565-B to provide that all 320-acre spacing and proration units in said pool would comprise either the W/2 or the E/2 of a governmental section, provided however, that one injection well would have dedicated thereto the N/2 of Section 1, Township 24 North, Range 1 West, and also that the short 400-acre sections on the South side of Township 27 North, Range 1 West, would each comprise a single spacing unit.
- CASE 6943:** Application of Benson-Montin-Greer Drilling Corporation for a unit agreement, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the East Puerto Chiquito-Mancos Unit Area, comprising 9,769 acres, more or less, of Federal, Indian, and fee lands in Townships 26 and 27 North, Ranges 1 East and 1 West.

- CASE 6944:** Application of Benson-Montin-Greer Drilling Corporation for a pressure maintenance project, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a pressure maintenance project by the injection of gas, air, LPG, water, or chemicals into the Mancos formation thru 7 wells on its East Puerto Chiquito-Mancos Unit Area.
- CASE 6945:** Application of ARCO Oil and Gas Company for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Yates-Seven Rivers formation in the interval from 3550 feet to 4000 feet in its Fletcher Well No. 4 in Unit J of Section 27, Township 20 South, Range 34 East, Lynch Field.
- CASE 6946:** Application of Knox Industries, Inc. for an unorthodox gas well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a well to be recompleted in the Morrow formation at a point 1980 feet from the North line and 660 feet from the East line of Section 1, Township 19 South, Range 34 East, the N/2 of said Section 1 to be dedicated to the well.
- CASE 6947:** Application of Knox Industries, Inc. for pool contraction and creation and an NGPA determination, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order deleting certain lands from the La Rica-Morrow Gas Pool and creating a new gas pool from said lands together with a determination that applicant's NM State Well No. 1 located in Unit F of Section 2, Township 19 South, Range 34 East, has discovered a new onshore reservoir pursuant to Section 102 of the NGPA.
- CASE 6948:** Application of Maralo, Inc. for dual completions and simultaneous dedication, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) and simultaneous dedication in the Jalmat Pool of four wells in its Jalmat Yates Unit to produce oil from, and later on to inject water into, its Yates formation waterflood, and to produce oil from the Seven Rivers formation from two of the wells, the Nos. 19 and 20 located in Units C and D and to produce gas from the Seven Rivers from the other two wells, the Nos. 25 and 31 located in Units F and K, all in Section 18, Township 25 South, Range 37 East.
- CASE 6949:** Application of Grace Petroleum Corporation for four compulsory poolings, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Escrito-Gallup Pool underlying four 80-acre proration units, being the E/2 NE/4, the S/2 NW/4, and the W/2 NW/4 of Section 28, and the W/2 SE/4 of Section 29, all in Township 24 North, Range 7 West, each to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said wells and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells, and a charge for risk involved in drilling said wells.
- CASE 6950:** Application of Bass Enterprises Production Company for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a Morrow test well to be drilled 660 feet from the North line and 1980 feet from the East line of Section 4, Township 25 South, Range 31 East, the E/2 of said Section 4 to be dedicated to the well.
- CASE 6951:** Application of Bass Enterprises Production Company for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Morrow formation underlying the E/2 of Section 21, Township 22 South, Range 30 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.
- CASE 6952:** Application of Exxon Corporation for a non-standard gas proration unit, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 378.11-acre non-standard gas proration unit comprising Lots 1 and 2 and the N/2 NE/4 of Section 31, and Lots 1, 2, 3, 4, and the N/2 N/2 of Section 32, all in Township 26 South, Range 26 East, Morrow formation, to be dedicated to its Milepost Federal Com 2 Well No. 1 located in Unit A of said Section 31.
- CASE 6925:** (Readvertised)
- Application of Caribou Four Corners, Inc. for two exceptions to Rule 306, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 306 of the Division Rules and Regulations to permit the permanent flaring of gas from its Kirtland Wells Nos. 1 and 2, located in Units A and B, respectively, of Section 13, Township 29 North, Range 15 West.

CASE 6914: (Continued from June 4, 1980, Examiner Hearing)

Application of Wilson Oil Company for a non-standard proration unit and unorthodox location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 320-acre non-standard gas proration unit comprising the S/2 of Section 29, Township 20 South, Range 36 East, North Osado-Morrow Gas Pool, to be dedicated to its State JD Well No. 1 at an unorthodox location 1650 feet from the South line and 1980 feet from the West line of said Section 29.

CASE 6896: (This case will be continued to the July 9, 1980, Examiner Hearing)

Application of John E. Schalk for a non-standard gas proration unit and an unorthodox gas well location, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 160-acre non-standard Blanco Mesaverde gas proration unit comprising the NE/4 of Section 8, Township 25 North, Range 3 West, to be dedicated to his Gulf Well No. 2 to be drilled at an unorthodox location 1925 feet from the North line and 790 feet from the East line of said Section 8.

CASE 6497: (Continued from April 23, 1980, Examiner Hearing)

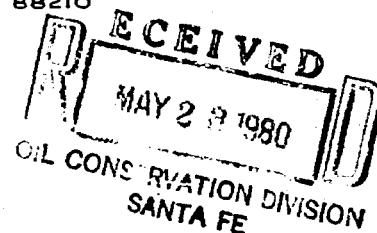
Application of El Paso Natural Gas Company for approval of infill drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a waiver of existing well-spacing requirements and a finding that the drilling of its Shell E State Com Well No. 2 located in Unit N of Section 6, Township 21 South, Range 36 East, Eumont Gas Pool, Lea County, New Mexico, is necessary to effectively and efficiently drain that portion of the proration unit which cannot be so drained by the existing well.

A. J. LOSEE
JOEL M. CARSON
CHAD DICKERSON
DAVID R. VANDIVER

LAW OFFICES
LOSEE, CARSON & DICKERSON, P. A.
300 AMERICAN HOME BUILDING
P. O. DRAWER 239
ARTESIA, NEW MEXICO 88210

AREA CODE 505
746-3508

May 27, 1980



Mr. Joe D. Ramey, Director
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: Examiner Hearing of June 24, 1980
Case No. 6917

Dear Mr. Ramey:

Please continue Case No. 6917, entitled "In the Matter of the Application of Yates Petroleum Corporation for New Onshore Reservoir Determination Pursuant to Section 102 of the Natural Gas Policy Act of 1978," from June 4, 1980, to June 18, 1980. This is an application for an NGPA determination, Eddy County, New Mexico, in which applicant seeks a new onshore reservoir determination for its Goat Roper "LP" Com. Well No. 1, located in Unit B of Section 33, Township 17 South, Range 26 East, Kennedy Farms Field.

Thank you.

Sincerely yours,

LOSEE, CARSON & DICKERSON, P.A.

A handwritten signature in cursive script, appearing to read "Chad Dickerson".

Chad Dickerson

CD:pvm
Enclosures

cc: Yates Petroleum Corporation

Docket No. 17-80

Dockets Nos. 19-80 and 20-80 are tentatively set for June 25 and July 9, 1980. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: COMMISSION HEARING - THURSDAY - JUNE 5, 1980

OIL CONSERVATION COMMISSION - 9 A.M. - ROOM 205
STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

CASE 6927: Application of Doyle Hartman for compulsory pooling and an unorthodox location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Pennsylvanian formation underlying the S/2 of Section 24, Township 17 South, Range 28 East, to be dedicated to a well to be drilled at an unorthodox location 660 feet from the South and West lines of said Section 24. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

CASE 6928: Application of ARCO Oil and Gas Company for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Pennsylvanian formation underlying the S/2 of Section 24, Township 17 South, Range 28 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

Docket No. 16-80

DOCKET: EXAMINER HEARING - WEDNESDAY - JUNE 4, 1980

9 A.M. - OIL CONSERVATION DIVISION CONFERENCE ROOM,
STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

The following cases will be heard before Daniel S. Nutter, Examiner, or Richard L. Stamets, Alternate Examiner:

CASE 6803: (Continued from April 23, 1980, Examiner Hearing)

In the matter of the hearing called by the Oil Conservation Division on its own motion to permit EPROC Associates, Hartford Accident and Indemnity Company, and all other interested parties to appear and show cause why its Monsanto State H Well No. 1 located in Unit E of Section 2, Township 30 North, Range 16 West, San Juan County, should not be plugged and abandoned in accordance with a Division-approved plugging program.

CASE 6906: Application of Amoco Production Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its South Matrix Unit Well No. 39 located in Unit G of Section 15, Township 24 South, Range 37 East, to produce oil from the Fowler-Upper Yeso and Fowler-Drinkard Pools thru parallel strings of tubing.

CASE 6907: Application of Amoco Production Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its Myers B Federal Well No. 28 located in Unit M of Section 9, Township 24 South, Range 37 East, to produce gas from the Jalmat and Langlie Matrix Pools thru parallel strings of tubing.

CASE 6908: Application of Estoril Producing Corporation for an unorthodox gas well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Curry State Well No. 1, a Pennsylvanian test to be drilled 660 feet from the North and East lines of Section 22, Township 23 South, Range 34 East, Antelope Ridge Field, the N/2 of said Section 22 to be dedicated to the well.

CASE 6909: Application of El Paso Natural Gas Company for downhole commingling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Basin-Dakota and Largo-Callup production in the wellbore of its Rincon Unit Well No. 164 located in Unit L of Section 2, Township 26 North, Range 7 West.

CASE 6886: (Continued from May 21, 1980, Examiner Hearing)

Application of Aminoil USA, Inc. for compulsory pooling and an unorthodox location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp and Pennsylvanian formations underlying the S/2 of Section 10, Township 24 South, Range 28 East, to be dedicated to a well to be drilled at an unorthodox location 2080 feet from the South line and 1773 feet from the East line of said Section 10. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.

CASE 6910: Application of Grace Petroleum Corporation for four compulsory poolings, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Gallup formation underlying four 40-acre proration units, being the SE/4 NE/4, the SE/4 NW/4, and the NW/4 NW/4 of Section 28, and the SW/4 SE/4 of Section 29, all in Township 24 North, Range 7 West, each to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said wells and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells, and a charge for risk involved in drilling said wells.

CASE 6911: Application of Grace Petroleum Corporation for compulsory pooling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Gallup formation underlying the NE/4 NW/4 of Section 11, Township 23 North, Range 7 West, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

CASE 6912: Application of Southland Royalty Company for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its State "14" Comm. Well No. 1 located in Unit E of Section 14, Township 19 South, Range 29 East, Turkey Track Field, to produce gas from the Morrow and Atoka formations thru tubing and the casing-tubing annulus, respectively

CASE 6913: Application of Kerr-McGee Corporation for an unorthodox well location, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its State F Well No. 14 to be drilled 1310 feet from the North line and 1330 feet from the West line of Section 2, Township 8 South, Range 33 East, Chaveroo-San Andres Pool.

CASE 6914: Application of Wilson Oil Company for a non-standard proration unit and unorthodox location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 320-acre non-standard gas proration unit comprising the S/2 of Section 29, Township 20 South, Range 36 East, North Osado-Morrow Gas Pool, to be dedicated to its State JD Well No. 1 at an unorthodox location 1650 feet from the South line and 1980 feet from the West line of said Section 29.

CASE 6915: Application of Jake L. Hamon for a non-standard gas proration unit and an unorthodox well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 320-acre non-standard gas proration unit comprising the S/2 of Section 8, Township 20 South, Range 36 East, North Osado-Morrow Gas Pool, to be dedicated to a well to be drilled at an unorthodox location 660 feet from the South line and 1980 feet from the West line of said Section 8.

CASE 6916: Application of Petro-Lewis Corporation for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of the Drinkard and Blinsbry production in the wellbore of its State DC Well No. 1, a quadruple completion located in Unit F of Section 19, Township 21 South, Range 37 East.

CASE 6917: Application of Yates Petroleum Corporation for an NGPA determination, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks a new onshore reservoir determination for its Goat Roper "LP" Com. Well No. 1 located in Unit P of Section 30, Township 17 South, Range 26 East.

CASE 6918: Application of Yates Petroleum Corporation for downhole commingling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to commingle Upper Penn and Morrow gas production in the wellbore of its Kennedy "JQ" Com. Well No. 1 located in Unit H of Section 33, Township 17 South, Range 26 East, Kennedy Farms Field.

CASE 6919: Application of Yates Petroleum Corporation for downhole commingling or consolidation of two pools, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Wolfcamp and Penn gas production in the wellbore of its Anderson State "CS" Com. Well No. 1-Y located in Unit G of Section 14, and its Fordinkus State "NZ" Com. Well No. 1 located in Unit G of Section 22, both in Township 18 South, Range 24 East, or, in the alternative, the consolidation of the Fordinkus-Cisco Gas Pool and the Pensaco Draw Perno-Penn Gas Pool into one Perno-Penn gas pool to include the above-described wells.

CASE 6920: Application of Yates Petroleum Corporation for a dual completion and unorthodox well location, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its 5 Mile Draw Federal Well No. 1 to produce from the Pennsylvanian and Abo formations thru the tubing and casing-tubing annulus, respectively; applicant also seeks approval for the unorthodox location of said well in the Abo formation 800 feet from the South line and 2100 feet from the East line of Section 34, Township 6 South, Range 25 East, the SE/4 of the section to be dedicated to the well.

CASE 6903: (Continued from May 21, 1980, Examiner Hearing)

Application of Harvey E. Yates Company for an unorthodox gas well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a Pennsylvanian-Mississippian test well to be drilled 660 feet from the South line and 990 feet from the East line of Section 33, Township 13 South, Range 36 East, the S/2 of said Section 33 to be dedicated to the well.

CASE 6904: (Continued from May 21, 1980, Examiner Hearing)

Application of Harvey E. Yates Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the McDonald Unit Area, comprising 1,440 acres, more or less, of fee lands in Townships 13 and 14 South, Range 36 East.

CASE 6921: Application of Harvey E. Yates Company for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp-Mississippian formations underlying the S/2 of Section 33, Township 13 South, Range 36 East, to be dedicated to a well to be drilled at an unorthodox location 660 feet from the South and East lines of Section 33. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

CASE 6922: Application of Harvey E. Yates Company for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp-Pennsylvanian formations underlying the E/2 of Section 24, Township 18 South, Range 28 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well and a charge for risk involved in drilling said well.

CASE 6923: Application of Harvey E. Yates Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the Cayton-Austin Unit Area, comprising 960 acres, more or less, of State and fee lands in Township 14 South, Range 36 East.

CASE 6924: Application of Caribou Four Corners, Inc. for two unorthodox oil well locations, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of two wells to be drilled, the first being 860 feet from the North line and 2090 feet from the West line, and the second being 910 feet from the North line and 395 feet from the West line, both in Section 13, Township 29 North, Range 15 West, Cha Cha-Gallup Oil Pool, the E/2 and the W/2, respectively, of the NW/4 of said Section 13 to be dedicated to the wells.

CASE 6925: Application of Caribou Four Corners, Inc. for two exceptions to Rule 306, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 306 of the Division Rules and Regulations to permit the permanent flaring of gas from its Kirtland Wells Nos. 1 and 2, located in Units A and B, respectively, of Section 13, Township 29 North, Range 15 West.

CASE 6889: (Readvertised)

Application of Belco Petroleum Corporation for directional drilling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to directionally drill a well, the surface location of which is 1980 feet from the North line and 920 feet from the West line of Section 36, Township 22 South, Range 30 East, in such a manner as to bottom it at an unorthodox location within 660 feet of a point 1320 feet from the North line and 2640 feet from the West line of said Section 36 in the Morrow formation, the N/2 of said Section 36 to be dedicated to the well.

CASE 6896: (Continued from May 21, 1980, Examiner Hearing)

Application of John E. Schalk for a non-standard gas proration unit and an unorthodox gas well location, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 160-acre non-standard Blanco Mesaverde gas proration unit comprising the NE/4 of Section 8, Township 25 North, Range 3 West, to be dedicated to his Gulf Well No. 2 to be drilled at an unorthodox location 1925 feet from the North line and 790 feet from the East line of said Section 8.

Docket No. 16-80

CASE 6926: In the matter of the hearing called by the Oil Conservation Division on its own motion for an order creating, contracting vertical limits, and extending horizontal limits of certain pools in Chaves, Eddy, and Lea Counties, New Mexico:

(a) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Pennsylvanian production and designated as the Arkansas Junction-Pennsylvanian Pool. The discovery well is Rex Alcorn Bobbi Well No. 1Y located in Unit J of Section 20, Township 18 South, Range 36 East, NMPM. Said pool would comprise:

TOWNSHIP 18 SOUTH, RANGE 36 EAST, NMPM
Section 20: SE/4

(b) CREATE a new pool in Eddy County, New Mexico, classified as an oil pool for Delaware production and designated as the Avalon-Delaware Pool. The discovery well is HWJ Producing Company State CW Well No. 1 located in Unit K of Section 36, Township 20 South, Range 27 East, NMPM. Said pool would comprise:

TOWNSHIP 20 SOUTH, RANGE 27 EAST, NMPM
Section 36: SW/4

(c) CREATE a new pool in Eddy County, New Mexico, classified as an oil pool for Delaware production and designated as the East Burton-Delaware Pool. The discovery well is J. C. Williamson TOG Federal Well No. 1 located in Unit F of Section 16, Township 20 South, Range 29 East, NMPM. Said pool would comprise:

TOWNSHIP 20 SOUTH, RANGE 29 EAST, NMPM
Section 16: NW/4

(d) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Strawn production and designated as the Dog Canyon-Strawn Gas Pool. The discovery well is Harvey E. Yates Company Gates Federal Deep Well No. 1 located in Unit P of Section 6, Township 17 South, Range 28 East, NMPM. Said pool would comprise:

TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM
Section 6: S/2

(e) CREATE a new pool in Chaves County, New Mexico, classified as an oil pool for San Andres production and designated as the South Double L-San Andres Pool. The discovery well is McClellan Oil Corporation Mark Federal Well No. 1 located in Unit I of Section 30, Township 15 South, Range 30 East, NMPM. Said pool would comprise:

TOWNSHIP 15 SOUTH, RANGE 30 EAST, NMPM
Section 30: SE/4

(f) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Grayburg production and designated as the Empire-Grayburg Gas Pool. The discovery well is Carl A. Schellinger West Federal Well No. 1 located in Unit C of Section 14, Township 17 South, Range 27 East, NMPM. Said pool would comprise:

TOWNSHIP 17 SOUTH, RANGE 27 EAST, NMPM
Section 14: NE/4

(g) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Morrow production and designated as the North Mune-Morrow Gas Pool. The discovery well is Bass Enterprises Production Company Bass 36 State Well No. 1 located in Unit E of Section 36, Township 15 South, Range 34 East, NMPM. Said pool would comprise:

TOWNSHIP 15 SOUTH, RANGE 34 EAST, NMPM
Section 36: W/2

(h) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Atoka production and designated as the Lusk-Atoka Gas Pool. The discovery well is Phillips Petroleum Company Lusk Deep Well A Com Well No. 13 located in Unit K of Section 18, Township 19 South, Range 32 East, NMPM. Said pool would comprise:

TOWNSHIP 19 SOUTH, RANGE 32 EAST, NMPM
Section 18: S/2

(i) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Morrow production and designated as the Milepost-Morrow Gas Pool. The discovery well is Exxon Corporation Scheidt Federal Well No. 1 located in Unit L of Section 30, Township 26 South, Range 26 East, NMPM. Said pool would comprise:

TOWNSHIP 26 SOUTH, RANGE 25 EAST, NMPM
Section 36: N/2 N/2 and Lots, 1, 2,
3, and 4

TOWNSHIP 26 SOUTH, RANGE 26 EAST, NMPM
Section 30: S/2
Section 31: N/2 NW/4 and Lots 3 and 4

(j) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Atoka production and designated as the Turkey Track-Atoka Gas Pool. The discovery well is Tenneco Oil Company State HL 11 Well No. 1 located in Unit N of Section 11, Township 19 South, Range 29 East, NMPM. Said pool would comprise:

TOWNSHIP 19 SOUTH, RANGE 29 EAST, NMPM
Section 10: E/2
Section 11: S/2

(k) CONTRACT the vertical limits of the East Grama Ridge-Bone Springs Pool to the interval from 10,472 feet to 10,900 feet as found on the type log for the Getty Oil Company State 35 Well No. 1 located in Unit K of Section 35, Township 21 South, Range 34 East, NMPM, and redesignate said pool as the East Grama Ridge-Lower Bone Springs Pool.

(l) EXTEND the Airstrip-Upper Bone Springs Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPM
Section 25: W/2 SW/4
Section 26: SE/4

(m) EXTEND the Atoka-Yeso Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 26 EAST, NMPM
Section 33: NW/4 and N/2 S/2

(n) EXTEND the Brunson-Fusselman Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM
Section 8: SE/4

(o) EXTEND the Buckeye-Abo Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 35 EAST, NMPM
Section 9: NW/4

(p) EXTEND the Burton Flat-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 26 EAST, NMPM
Section 13: W/2
Section 14: E/2

(q) EXTEND the Catclaw Draw-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 26 EAST, NMPM
Section 34: S/2

TOWNSHIP 21 SOUTH, RANGE 25 EAST, NMPM
Section 2: Lots 1 through 8

(r) EXTEND the Chaveroo-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 32 EAST, NMPM
Section 34: NE/4

TOWNSHIP 8 SOUTH, RANGE 32 EAST, NMPM
Section 3: SW/4

- (s) EXTEND the Cinta Roja-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 24 SOUTH, RANGE 35 EAST, NMPM
Section 4: All

- (t) EXTEND the South Corbin-Strawn Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 33 EAST, NMPM
Section 29: N/2
Section 30: N/2

- (u) EXTEND the South Corbin-Wolfcamp Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 33 EAST, NMPM
Section 28: W/2

- (v) EXTEND the Crooked Creek-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 24 SOUTH, RANGE 24 EAST, NMPM
Section 8: S/2

- (w) EXTEND the South Empire-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 29 EAST, NMPM
Section 17: All

- (x) EXTEND the East Grama Ridge-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 34 EAST, NMPM
Section 12: W/2

- (y) EXTEND the Hat Mesa-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 32 EAST, NMPM
Section 10: W/2

- (z) EXTEND the Henshaw Queen-Grayburg-San Andres Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 30 EAST, NMPM
Section 11: SW/4 SW/4
Section 14: S/2 and W/2 NW/4
Section 15: E/2 SE/4

- (aa) EXTEND the Hobbs-Drinkard Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 38 EAST, NMPM
Section 4: SE/4

- (bb) EXTEND the Indian Flats-Delaware Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 28 EAST, NMPM
Section 2: N/2 NE/4

- (cc) EXTEND the South Kennitz Atoka-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 34 EAST, NMPM
Section 29: W/2

- (dd) EXTEND the Logan Draw-San Andres Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 27 EAST, NMPM
Section 19: N/2 NE/4 and SE/4 NE/4

- (ee) EXTEND the Middle Lynch Yates-Seven Rivers Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM
Section 21: E/2 SW/4

(ff) EXTEND the Penasco Draw San Andres-Yeso Associated Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 25 EAST, NMPM
Section 31: SW/4

(gg) EXTEND the East Red Lake Queen-Grayburg Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 28 EAST, NMPM
Section 25: S/2 S/2
Section 26: S/2 SE/4 and SE/4 SW/4
Section 36: N/2 NW/4

(hh) EXTEND the North Shugart-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 31 EAST, NMPM
Section 17: S/2

(ii) EXTEND the Tomahawk-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 31 EAST, NMPM
Section 25: SE/4

(jj) EXTEND the Turkey Track Seven Rivers-Queen-Grayburg Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 29 EAST, NMPM
Section 9: E/2 NE/4

(kk) EXTEND the North Vacuum-Abo Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM
Section 17: NW/4

(ll) EXTEND the Winchester-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 28 EAST, NMPM
Section 3: All

(mm) EXTEND the Winchester-Upper Pennsylvanian Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 29 EAST, NMPM
Section 30: W/2

Docket No. 18-80

DOCKET: EXAMINER HEARING - THURSDAY - JUNE 19, 1980

9 A.M. - OIL CONSERVATION DIVISION CONFERENCE ROOM,
STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

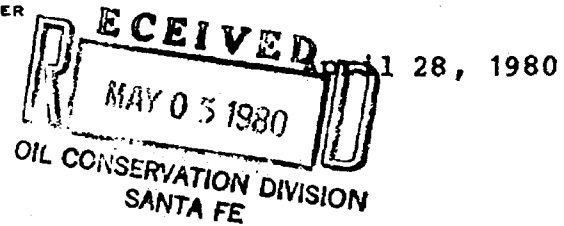
The following cases will be heard before Daniel S. Nutter, Examiner, or Richard L. Stamets, Alternate Examiner:

- ALLOWABLE:
- (1) Consideration of the allowable production of gas for July, 1980, from fifteen prorated pools in Lea, Eddy, and Chaves Counties, New Mexico.
 - (2) Consideration of the allowable production of gas for July, 1980, from four prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico.

A.J. LOSEE
JOEL M. CARSON
CHAD DICKERSON
DAVID R. VANDIVER

LAW OFFICES
LOSEE, CARSON & DICKERSON, P. A.
300 AMERICAN HOME BUILDING
P. O. DRAWER 239
ARTESIA, NEW MEXICO 88210

AREA CODE 505
746-3508



Case 6917

Mr. Joe D. Ramey, Director
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Dear Mr. Ramey:

Enclosed for filing, please find three copies of the Application of Yates Petroleum Corporation for New Onshore Reservoir Determination Pursuant to Section 102 of the Natural Gas Policy Act of 1978.

We ask that this case be set for hearing before an examiner and that you furnish us with a docket of said hearing.

Thank you.

Sincerely yours,

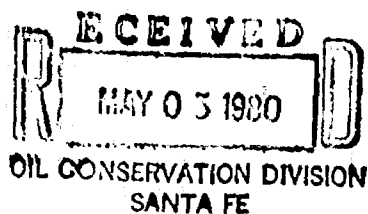
LOSEE, CARSON & DICKERSON, P.A.



Chad Dickerson

CD:pvm
Enclosures

cc: Yates Petroleum Corporation



BEFORE THE OIL CONSERVATION DIVISION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF :
YATES PETROLEUM CORPORATION FOR :
NEW ONSHORE RESERVOIR DETERMINATION : CASE NO. 6917
PURSUANT TO SECTION 102 OF THE :
NATURAL GAS POLICY ACT OF 1978 :
:

APPLICATION

COMES NOW Yates Petroleum Corporation, and in support
hereof, respectfully states:

1. Pursuant to Order of the Division entered Novem-
ber 2, 1979, in Case No. 6693, Order No. R-6166, applicant has
drilled and completed its Goat Roper "LP" Com. No. 1 Well,
located 1,130 feet from the south line and 1,300 feet from the
east line of Section 30 as a well capable of producing gas in
commercial quantities from the Morrow formation, through per-
forations between 8,365 and 8,373 feet beneath the surface, and
dedicated the following lands to the proration unit:

Township 17 South, Range 26 East, N.M.P.M.

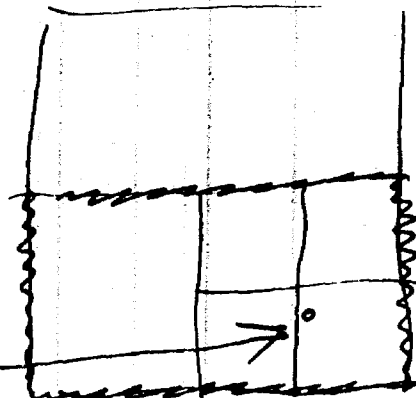
Section 30: S/2

containing 320 acres, more or less,
in Eddy County, New Mexico.

2. Applicant's well is completed in a New Onshore
Reservoir as defined in §102(c)(1)(C) of the Natural Gas Policy
Act of 1978, and applicant is entitled to have such fact deter-
mined and in the interim to collect its Maximum Lawful Price
therefor pursuant to said federal act, pending final approval
of the Federal Energy Regulatory Commission.

WHEREFORE, applicant prays:

R6166
approved
unorthodox
location



A. That this application be set for hearing before an examiner and that notice of said hearing be given as required by law;

B. That, upon hearing, the Division enter its order determining that applicant's well is completed in a New Onshore Reservoir for the production of gas from the Morrow formation, and that applicant be authorized to collect Maximum Lawful Price for sale of such gas to which it is entitled under said act, pending final approval of the Federal Energy Regulatory Commission;

C. And for such other and further relief as may be just in the premises.

YATES PETROLEUM CORPORATION

By:

B. W. Harper
B. W. Harper

Secretary-Treasurer

LOSEE, CARSON & DICKERSON, P.A.

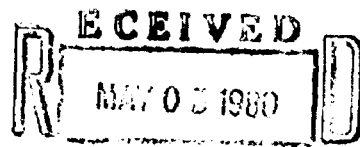
By:

Chad Dickerson
Chad Dickerson

P. O. Drawer 239

Artesia, New Mexico 88210

Attorneys for Applicant



OIL CONSERVATION DIVISION
SANTA FE

BEFORE THE OIL CONSERVATION DIVISION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF
YATES PETROLEUM CORPORATION FOR
NEW ONSHORE RESERVOIR DETERMINATION
PURSUANT TO SECTION 102 OF THE
NATURAL GAS POLICY ACT OF 1978

CASE NO. 6917

APPLICATION

COMES NOW Yates Petroleum Corporation, and in support
hereof, respectfully states:

1. Pursuant to Order of the Division entered Novem-
ber 2, 1979, in Case No. 6683, Order No. R-6166, applicant has
drilled and completed its Goat Roper "LP" Com. No. 1 Well,
located 1,130 feet from the south line and 1,300 feet from the
east line of Section 30 as a well capable of producing gas in
commercial quantities from the Morrow formation, through per-
forations between 8,365 and 8,373 feet beneath the surface, and
dedicated the following lands to the proration unit:

Township 17 South, Range 26 East, N.M.P.M.

Section 30: 8/2

containing 320 acres, more or less,
in Eddy County, New Mexico.

2. Applicant's well is completed in a New Onshore
Reservoir as defined in §102(c)(1)(C) of the Natural Gas Policy
Act of 1978, and applicant is entitled to have such fact deter-
mined and in the interim to collect its Maximum Lawful Price
therefor pursuant to said federal act, pending final approval
of the Federal Energy Regulatory Commission.

WHEREFORE, applicant prays:

A. That this application be set for hearing before an examiner and that notice of said hearing be given as required by law;

B. That, upon hearing, the Division enter its order determining that applicant's well is completed in a New Onshore Reservoir for the production of gas from the Morrow formation, and that applicant be authorized to collect Maximum Lawful Price for sale of such gas to which it is entitled under said act, pending final approval of the Federal Energy Regulatory Commission;

C. And for such other and further relief as may be just in the premises.

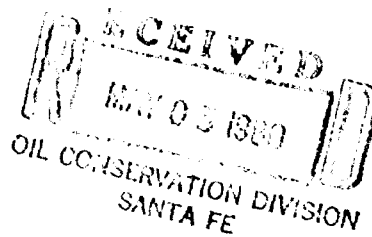
YATES PETROLEUM CORPORATION

By: B. W. Harper
B. W. Harper
Secretary-Treasurer

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Attorneys for Applicant



BEFORE THE OIL CONSERVATION DIVISION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF :
YATES PETROLEUM CORPORATION FOR :
NEW ONSHORE RESERVOIR DETERMINATION : CASE NO. 6917
PURSUANT TO SECTION 102 OF THE :
NATURAL GAS POLICY ACT OF 1978 :

APPLICATION

COMES NOW Yates Petroleum Corporation, and in support
hereof, respectfully states:

1. Pursuant to Order of the Division entered Novem-
ber 2, 1979, in Case No. 6693, Order No. R-6166, applicant has
drilled and completed its Goat Roper "LP" Com. No. 1 Well,
located 1,130 feet from the south line and 1,300 feet from the
east line of Section 30 as a well capable of producing gas in
commercial quantities from the Morrow formation, through per-
forations between 8,365 and 8,373 feet beneath the surface, and
dedicated the following lands to the proration unit:

Township 17 South, Range 26 East, N.M.P.M.

Section 30: 8/2

containing 320 acres, more or less,
in Eddy County, New Mexico.

2. Applicant's well is completed in a New Onshore
Reservoir as defined in §102(c)(1)(C) of the Natural Gas Policy
Act of 1978, and applicant is entitled to have such fact deter-
mined and in the interim to collect its Maximum Lawful Price
therefor pursuant to said federal act, pending final approval
of the Federal Energy Regulatory Commission.

WHEREFORE, applicant prays:

A. That this application be set for hearing before an examiner and that notice of said hearing be given as required by law;

B. That, upon hearing, the Division enter its order determining that applicant's well is completed in a New Onshore Reservoir for the production of gas from the Morrow formation, and that applicant be authorized to collect Maximum Lawful Price for sale of such gas to which it is entitled under said act, pending final approval of the Federal Energy Regulatory Commission;

C. And for such other and further relief as may be just in the premises.

YATES PETROLEUM CORPORATION

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