



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

BRUCE KING  
GOVERNOR

July 22, 1981

LARRY KEHOE  
SECRETARY

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-2434

Mesa Petroleum Co.  
Vaughn Building  
Suite 1000  
Midland, Texas 79701

Attention: Mr. R. E. Mathis

Administrative Order NSP-1258

Gentlemen:

Reference is made to your application for a 166-acre non-standard proration unit consisting of the following acreage in the Abo formation:

CHAVES COUNTY, NEW MEXICO  
TOWNSHIP 6 SOUTH, RANGE 26 EAST, NMPM  
Section 5: All

It is my understanding that this unit is to be dedicated to your Spring Federal Well No. 2 located 660 feet from the South line and 660 feet from the West line of said Section 5.

By authority granted me under the provisions of Rule 104 D II, the above non-standard proration unit is hereby approved.

Sincerely,

JOE D. RAMEY,  
Director

JDR/RLS/dr

cc: Oil Conservation Division - Artesia  
Oil & Gas Engineering Committee - Hobbs  
U. S. Geological Survey - Artesia

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

12/29/03 08:39:21  
OGOMES -TPZC  
PAGE NO: 2

Sec : 05 Twp : 06S Rng : 26E Section Type : NORMAL

4 42.76  Federal owned A	3 42.69  Federal owned	2 42.61  Federal owned A	1 42.54  Federal owned
4 42.76  Federal owned A	3 42.69  Federal owned	2 42.61  Federal owned A	1 42.54  Federal owned

170.66

PF01 HELP  
PF07 BKWD

PF02  
PF08 FWD

PF03 EXIT  
PF09 PRINT

PF04 GoTo  
PF10 SDIV

PF05  
PF11

PF06  
PF12

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Oil Cons.

N.M. DIV-Dist. 2

1301 W. Grand Avenue  
Artesia, NM 88210

FORM APPROVED  
OMB NO. 1004-0137

Expires: January 31, 2004

5. Lease Serial No.

NM-32167

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

Spring Deep Federal #4

9. API Well No.

30-005-63022

10. Field and Pool, or Exploratory

Wildcat Wolfcamp

11. Sec., T., R., M., on Block and  
Survey or Area

Section 5-T6S-R26E

12. County or Parish 13. State

Chaves

New Mexico

17. Elevations (OF, RKB, RT, GL)\*

3692'GL 3704'KB

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other  
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,  
Other: RE-ENTRY

2. Name of Operator

Yates Petroleum Corporation

3. Address

105 S. 4th Str., Artesia, NM 88210

3a. Phone No. (include area code)

505-748-1471

4. Location of Well (Report location clearly and in accordance with Federal requirements)

At Surface 660'FNL & 1980'FEL (Unit B, NWNE)

At top prod. interval reported below Same as above

At total depth Same as above

14. Date Spudded

RE 3/9/03

15. Date T.D. Reached

3/22/03

16. Date Completed

6/22/03

☐ D & A

☒ Ready to Prod.

18. Total Depth: MD

5600'

TVD NA

19. Plug Back T.D.:

MD 4920'

TVD NA

20. Depth Bridge Plug Set:

MD 6400', 5290', 5115', & 4920'

TVD NA

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

CNL, Azimuthal Laterolog, Borehole Compensated Sonic

22 Was Well cored?

☒ No

☐ Yes

( Submit analysis)

Was DST run?

☒ No

☐ Yes

( Submit report)

Directional Survey?

☒ No

☐ Yes

( Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	State Cementer Depth	No. of Sks & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	9-5/8"	36#	Surf	935'		800 sx In Place			
8-3/4"	5-1/2"	15.5#	Surf	1650'					
7-7/8"	5-1/2"	15.5#	1650'	5600'		235 sx		4280' CBL	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	4327'	4327'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Wolfcamp	4402'	4612'				
B)						
C)						
D)						

See Attached Sheet

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material

See Attached Sheet

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
	6/22/03	24	⇒	0	50	0			
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
8/64"	200 psi	NA	⇒	0	50	0			

ARMANDO A. LOPEZ  
PETROLEUM ENGINEER

SIWOPL

28a. Production-Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			⇒						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			⇒						

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production ⇒	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate ⇒	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production ⇒	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate ⇒	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

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

Sold if produced

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Description, Contents, etc.	Name	Top
					Meas Depth
				Abo	3716'
				Wolfcamp	4400'
				Wolfcamp B Zone	4488'
				Spear	4732'
				Cisco	4988'
				Strawn	5190'
				Mississippian	5368'
				Siluro-Devonian	5398'
				Pre-Cambrian	5434'

## 32. Additional remarks (include plugging procedure):

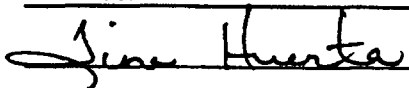
## 33. Circle enclosed attachments:

- ☒ 1. Electrical/Mechanical Logs (1 full set req'd.)      2. Geologic Report      3. DST Report      4. Directional Survey  
☐ 5. Sundry Notice for plugging and cement verification      6. Core Analysis      ☒ 7. Other      Deviation Survey

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Tina HuertaTitle Regulatory Compliance Supervisor

Signature


Date June 25, 2003

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

WELL NAME AND NUMBER Spring Deep Federal No. 4  
LOCATION 660' FNL & 1980' FEL, Section 5, T6S, R26E, Chaves County NM  
OPERATOR Yates Petroleum Corporation  
DRILLING CONTRACTOR United Drilling, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>1/2° 4523'</u>	<u>                    </u>	<u>                    </u>
<u>3/4° 5027'</u>	<u>                    </u>	<u>                    </u>
<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>                    </u>	<u>                    </u>	<u>                    </u>



Drilling Contractor United Drilling, Inc.  
By: George A. Aho  
George A. Aho  
Title: Business Manager

Subscribed and sworn to before me this 25<sup>th</sup> day of March,  
2003.

Karna Tankersley  
Notary Public

My Commission Expires: 9-25-03

Chaves NM  
County State

N.M. Oil Cons. Div-DIST. 2  
1301 W. Grand Avenue  
Artesia, NM 88210

Form 3160-5  
(August 1999)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

**EC**

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

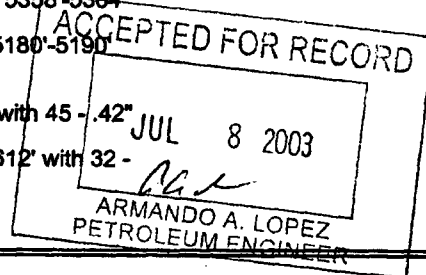
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit or CA/Agreement, Name and/or I	
2. Name of Operator YATES PETROLEUM CORPORATION		8. Well Name and No. SPRING DEEP FEDERAL 4	
3a. Address 105 S. 4TH ARTESIA, NM 88210		9. API Well No. 30-005-63022-00-X1	
3b. Phone No. (Include area code) Ph: 505-748-4168 Fx: 505-748-4385		10. Field and Pool, or Exploratory WILDCAT PRECAMBRIAN	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T6S R26E NWNE 660FNL 1980FEL		11. County or Parish, and State CHAVES COUNTY, NM	

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompletable horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

5/29/03 Perforate Silurian 5408'-5412', 5414'-5416', 5420'-5424' with 40 - .42" holes.  
5/30/03-6/1/03 Acidize Silurian with 1000g 20% IC HCL.  
6/3/03 Re-acidize Silurian with 7000g gelled 20% IC HCL.  
6/5/03 Set CIBP at 6400' with 10' cement. Perforate Strawn 5312'-5320', 5340'-5350', 5358'-5364' with 96 - .42" holes. Acidize Strawn with 2400g 7-1/2% IC HCL and balls.  
6/9/03 Set CIBP at 5290' with 35' cement. Perforate Cisco 5140'-5148', 5164'-5170', 5180'-5190' with 54 - .42" holes.  
6/10/03 Acidize Cisco with 2400g 15% IC HCL and balls.  
6/12/03 Set CIBP at 5115' with 35' cement. Perforate Cisco 5000'-5006', 5028'-5036' with 45 - .42" holes. Acidize Cisco 1400g 7-1/2% IC HCL.  
6/16/03 Set CIBP at 4920' with 35' cement. Perforate Wolfcamp 4402'-4410', 4606'-4612' with 32 - .42" holes.



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

Electronic Submission #23636 verified by the BLM Well Information System  
For YATES PETROLEUM CORPORATION, sent to the Roswell  
Committed to AFMSS for processing by Linda Askwig on 06/26/2003 (03LA0117SE)

Name (Printed/Typed) TINA HUERTA	Title REG. COMPLIANCE SUPERVISOR
Signature (Electronic Submission)	Date 06/25/2003

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Office _____		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

**Additional data for EC transaction #23636 that would not fit on the form**

**32. Additional remarks, continued**

6/17/03 Acidize Wolfcamp 4606'-4612' with 600g 20% IC HCL. Acidize Wolfcamp 4402'-4410' with 800g 20% HCL. Set packer at 4327'. Set RBP at 4667'.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Oil Cons.  
N.M. DIV-Dist. 2  
1301 W. Grand Avenue  
Artesia, NM 88210

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

S

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or re enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Yates Petroleum Corporation

3a. Address

105 S. 4th Str., Artesia, NM 88210

3b. Phone No. (include area code)

505-748-1471

4. Location of Well (Footage, Sec., T., R., M., OR Survey Description)

Sec 5-T6S-R26E (NWNE) 660'FNL & 1980'FEL

5. Lease Serial No.

NM-32167

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Spring Deep Federal #4

9. API Well No.

30-005-63022

10. Field and Pool, or Exploratory Area

Wildcat Precambrian

11. County or Parish, State

Chaves County, New Mexico

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

**TYPE OF ACTION**

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other Spud and

set production

casing

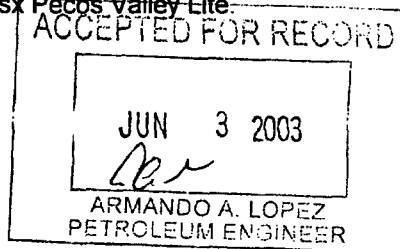
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

3/7/03 Spudded well. Drilled out all plugs and cleaned well out.

3/10/03 Resumed drilling.

3/22/03 Reached TD 5600' at 7:00 PM.

3/24/03 Set 5-1/2" 15.5# J-55 casing at 5600'. Cemented with 235 sx Pecos Valley Lite.



14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Tina Huerta

Title

Regulatory Compliance Supervisor

Signature

*Tina Huerta*

Date

April 1, 2003

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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OMB NO. 1004-0135  
Expires: November 30, 2000

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JUN 2003  
RECEIVED  
OCC ARTESIA

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. SPRING DEEP FEDERAL 4	
2. Name of Operator YATES PETROLEUM CORPORATION		9. API Well No. 30-005-63022	
3a. Address 105 SOUTH FOURTH STREET ARTESIA, NM 88210		10. Field and Pool, or Exploratory WILDCAT PRECAMBRIAN	
3b. Phone No. (include area code) Ph: 505.748.4168 Fx: 505.748.4585		11. County or Parish, and State CHAVES COUNTY, NM	
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6/10/03 Acidize Cisco with 2400g 15% IC HCL and balls.  
6/12/03 Set CIBP at 5115' with 35' cement. Perforate Cisco 5000'-5006', 5028'-5036' with 45 - .42" holes. Acidize Cisco 1400g 7-1/2% IC HCL.  
6/16/03 Set CIBP at 4920' with 35' cement. Perforate Wolfcamp 4402'-4410', 4606'-4612' with 32 - .42" holes.

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

**Electronic Submission #23636 verified by the BLM Well Information System  
For YATES PETROLEUM CORPORATION, sent to the Roswell**

Name (Printed/Typed) TINA HUERTA

Title REG COMPLIANCE SUPERVISOR

Signature (Electronic Submission)

Date 06/25/2003

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

Title

Date

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**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***

**Additional data for EC transaction #23636 that would not fit on the form**

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
ARTESIA, NM 88210

Expires August 31, 1985

LEASE DESIGNATION AND SERIAL NO.

NM-32167

IF INDIAN, ALLOTTEE OR TRIBE NAME

UNIT AGREEMENT NAME

FARM OR LEASE NAME

Spring Federal

WELL NO.

4

FIELD AND POOL, OR WILDCAT

Pecos Slope Abo

SEC. T., R., M., OR BLOCK AND SURVEY OR AREA

Section 5-T6S-R26E

COUNTY OR PARISH

Chaves

STATE

NM

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other

b. TYPE OF COMPLETION:

NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESER. ☐ Other Dry

2. NAME OF OPERATOR

YATES PETROLEUM CORPORATION

(505) 748-1471

3. ADDRESS OF OPERATOR

105 South 4th St., Artesia, NM 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 660' FNL &amp; 1980' FEL

At top prod. interval reported below

At total depth

14. PERMIT NO.

30-005-63022

DATE ISSUED

12. COUNTY OR PARISH

Chaves

13. STATE

NM

15. DATE SPUDDED

10-12-94

16. DATE T.D. REACHED

10-23-94

17. DATE COMPL. (Ready to prod.)

P &amp; A 10-24-94

18. ELEVATIONS (DV, RKB, RT, GR, ETC.)\*

3692' GR

19. ELEV. CASINGHEAD

RH 10-12-94

RT 10-14-94

20. TOTAL DEPTH, MD &amp; TVD

4300'

21. PLUG, BACK T.D., MD &amp; TVD

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

40-4300'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

Dry

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL/LDC &amp; DLL

27. WAS WELL CORED

No

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

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"		40	26"	Cement to surface	
9-5/8"	36#	935	12-1/4"	800 sx - circulate	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.\* PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

Dry

DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO

FLOW, TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Deviation Survey

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

Production Clerk

DATE Oct. 27, 1994

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

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

7. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				San Andres	590'	
				Glorieta	1530'	
				Yeso	1636'	
				Tubb	3126'	
				Abo	3708'	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Drawer DD

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS  
Do not use this form for proposals to drill or to deepen or reenter a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

Name of Operator

YATES PETROLEUM CORPORATION

(505) 748-1471

Address and Telephone No.

105 South 4th St., Artesia, NM 88210

Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FNL & 1980' FEL of Section 5-T6S-R26E (Unit B, NWNE)

5. Lease Designation and Serial No.

NM-32167

If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Spring Federal #4

9. API Well No.

30-005-63022

10. Field and Pool, or Exploratory Area

Pecos Slope Abo

11. County or Parish, State

Chaves Co., NM

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

3. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

TD 4300'. Reached TD at 7:30 AM 10-23-94. Plugged and abandoned well as follows:

Plug #1: 3778-3638' (Abo) - 40 sacks Class "C" cement

Plug #2: 1649-1539' (Glorieta) - 30 sacks Class "C" cement

Plug #3: 985-885' (across 9-5/8" shoe) - 30 sacks Class "C" cement. WOC 2 hours and tagged plug

Plug #4: 63' to surface - 15 sacks Class "C" cement

Nippled down BOP and removed casing head. Installed regulation abandonment marker.

PLUGGED AND ABANDONED - FINAL REPORT. Plugging completed 10-24-94. Released rig at 5:30 PM 10-24-94.

NOTE: Verbal approval to plug obtained from Pete Chester w/BLM in Roswell by Rex Gates, drilling foreman for Yates Petroleum Corporation.

Post ID-2  
12-23-94  
PVA

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

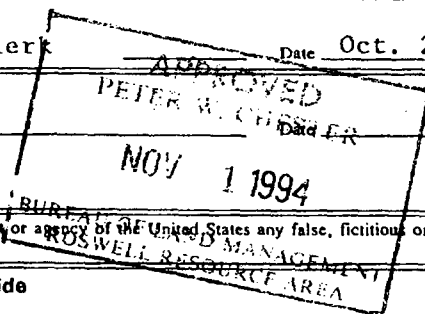
Signed Rusty Keller  
(This space for Federal or State office use)

Title Production Clerk

Date Oct. 27, 1994

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_



Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

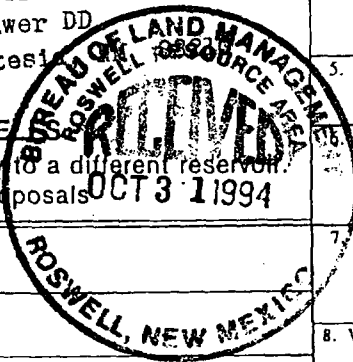
NM Oil Cons. Commis  
Drawer DD

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

clsr

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals



5. Lease Designation and Serial No.

NM-32167

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

Name of Operator

YATES PETROLEUM CORPORATION

(505) 748-1471

Address and Telephone No.

105 South 4th St., Artesia, NM 88210

Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FNL & 1980' FEL of Section 5-T6S-R26E (Unit B, NWNE)

8. Well Name and No.

Spring Federal #4

9. API Well No.

30-005-63022

10. Field and Pool, or Exploratory Area

Pecos Slope Abo

11. County or Parish, State

NOV 4 '94  
C. D.  
SIA, OFFICE

Chaves Co., NM

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

3. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Verbal permission obtained from Pete Chester with the BLM in Roswell, New Mexico, by Rex Gates, drilling foreman for Yates Petroleum Corporation to plug and abandon well as follows:

- Plug #1: 3778-3638' (140') (Abo) - 40 sacks Class "C"  
Plug #2: 1649-1539' (Glorieta) - 30 sacks Class "C"  
Plug #3: 985-885' (across 9-5/8" shoe) - 30 sacks Class "C" - tag plug  
Plug #4: Surface - 15 sacks Class "C"

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

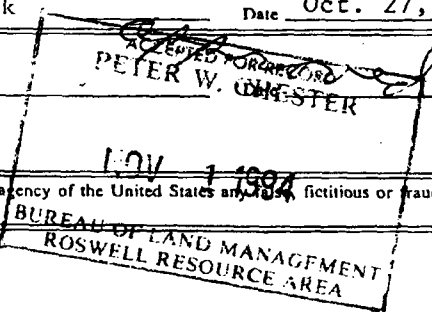
Signed Peter W. Chester Title Production Clerk

Date Oct. 27, 1994

(This space for Federal or State office use)

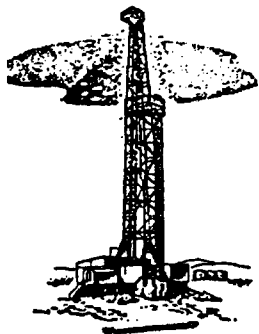
Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_



Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side



Telephone (505) 746-4405  
FAX (505) 748-2205

**L & M DRILLING, INC. — Oil Well Drilling Contractors**

P.O. BOX 470 / ARTESIA, NEW MEXICO 88210

October 31, 1994

Yates Petroleum Corporation  
105 South Fourth Street  
Artesia, NM 88210

RE: Spring Federal #4  
660' FNL & 1980' FEL  
Sec. 5, T6S, R26E  
Chaves County, New Mexico

Gentlemen:

The following is a Deviation Survey for the above captioned well.

DEPTH	DEVIATION
500'	1°
935'	1 1/2°
1468'	1 1/2°
2028'	1 3/4°
2558'	1 1/2°
3087'	1 1/2°
3586'	1 3/4°
4117'	2°
4300'	2°

Very truly yours,

Eddie C. LaRue  
Drilling Supt.

STATE OF NEW MEXICO §  
COUNTY OF EDDY §

The foregoing was acknowledged before  
me this 31st day of October, 1994.

  
NOTARY PUBLIC

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

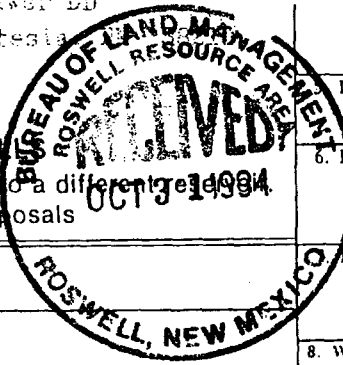
Drawer DD  
Artesia

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993  
Lease Designation and Serial No.

CLSF

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry of a different well.  
Use "APPLICATION FOR PERMIT—" for such proposals



NM-32167

6. Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

Name of Operator

YATES PETROLEUM CORPORATION

(505) 748-1471

Address and Telephone No.

105 South 4th St., Artesia, NM 88210

Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FNL & 1980' FEL of Section 5-T6S-R26E (Unit B, NWNE)

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Spring Federal #4

9. API Well No.

30-005-63022

10. Field and Pool, or Exploratory Area

C. De los Rios Slope Abo

11. County or Parish, State

Chaves Co., NM

NOV 4 '94  
O. C. De los Rios  
ARTESIA, NM

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Resume drilling, surface casing & cement  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

3. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Resumed drilling a 12-1/4" hole with rotary tools at 3:30 PM 10-14-94.

TD 935'. Reached TD at 6:30 AM 10-16-94. Ran 21 joints of 9-5/8" 36# J-55 (938.66') of casing set at 935'. 1-Texas Pattern notched guide shoe set at 935'. Insert float set at 891'. Cemented with 550 sacks Pacesetter Lite C, 10#/sack gilsonite, 1/4#/sack celloseal and 3% CaCl2 (yield 1.99, weight 12.5). Tailed in with 250 sacks "C" 2% CaCl2 (yield 1.32, weight 14.8). PD 12:30 PM 10-16-94. Bumped plug to 700 psi, OK. Circulated 180 sacks. WOC. Drilled out at 6:30 AM 10-17-94. WOC 18 hours. Cut off and weld on flow nipple. Reduced hole to 8-3/4". Resumed drilling.

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

Signed Rusty Klein Title Production Clerk

(This space for Federal or State office use)

Date Oct. 27, 1994

Approved by \_\_\_\_\_  
Conditions of approval, if any:

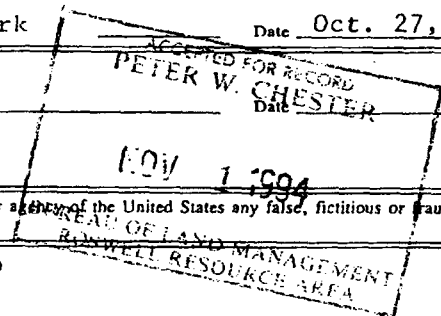
Title \_\_\_\_\_

ACCEPTED FOR RECORD  
PETER W. CHESTER  
Date

NOV 1 1994

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\*See Instruction on Reverse Side





UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NM Oil Cons. Commission  
Drawer DD

Artesia, NM 88210

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
YATES PETROLEUM CORPORATION (505) 748-1471

3. Address and Telephone No.  
105 South 4th St., Artesia, NM 88210

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
660' FNL & 1980' FEL of Section 5-T6S-R26E (Unit B, NWNE)

5. Lease Designation and Serial No.  
NM-32167

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
Spring Federal #4

9. API Well No.  
30-005-63022

10. Field and Pool, or Exploratory Area  
Pecos Slope Abo

11. County or Parish, State  
Chaves Co., NM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Spud
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Spudded a 26" hole at 10:00 AM 10-12-94 with rat hole machine. Set 40' of 20" conductor pipe. Cemented to surface. NOTE: Notified BLM in Roswell of spud.

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

Signed Rusty Klein Title Production Clerk

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

ACCEPTED FOR RECORD  
PETER W. CHESTER  
Date Oct. 14, 1994

OCT 20 1994

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NM Oil Cons. Commission  
Drawer DD SUBMIT IN APPLICATION  
Artesia, NM (08821) (Sections on  
reverse side)

RECEIVED  
JUN 24 1994  
APPROVED  
BLM NO. 1004-0136  
Expires February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL  
WELL ☐

GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

YATES PETROLEUM CORPORATION

3. ADDRESS AND TELEPHONE NO.

105 SOUTH FOURTH STREET, ARTESIA, NM 88210 (505) 748-1471

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

UNIT LETTER B; 660' FNL AND 1980' FEL

At proposed prod. zone

SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

46 MILES NORTHEAST OF ROSWELL, NEW MEXICO

RECEIVED

AUG 01 '94

O. C. D. W.B.

ARTESIA OFFICE

UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

SPRING FEDERAL #4

9. API WELL NO.

30-005-63022

10. FIELD AND POOL, OR WILDCAT

PECOS SLOPE ABO

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

82730

SECTION 5-T6S-R26E

12. COUNTY OR PARISH

CHAVES

13. STATE

NM

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE

464.12

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

4250'

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3692' GR

22. APPROX. DATE WORK WILL START\*

ASAP

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14.75"	9.625" J-55	36#	900'	700 SX
* 8.75"	7.0" J-55	23#	1500'	250 SX
7.875"	4.5" J-55	10.5#	TD	350 SX

YATES PETROLEUM CORPORATION PROPOSES TO DRILL AND TEST THE ABO AND INTERMEDIATE FORMATIONS. APPROXIMATELY 900' OF SURFACE CASING WILL BE SET AND CEMENT CIRCULATED TO THE SURFACE. (\* IF LOST CIRCULATION IS ENCOUNTERED, 7" CASING WILL BE SET TO APPROXIMATELY 1500'. HOLE SIZE WILL BE REDUCED TO 6.125".) IF COMMERCIAL, PRODUCTION CASING WILL BE RUN AND CEMENTED WITH ADEQUATE COVER, PERFORATED AND STIMULATED AS NEEDED FOR PRODUCTION.

MUD PROGRAM: SPUD TO 900' WITH FW GEL/LCM; 900' TO 3500' WITH CUT BRINE; 3500' TO TD WITH SW GEL/STARCH.

BOPE PROGRAM: BOPE WILL BE INSTALLED ON THE 9.625' CASING AND TESTED DAILY FOR OPERATIONAL.

GAS NOT DEDICATED.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Cliff R. May

TITLE

PERMIT AGENT

DATE

6/24/94

(This space for Federal or State office use)

PLEASE BE ADVISED THAT THERE WILL BE NO EXCAVATION OF FEDERALLY OWNED MINERAL MATERIAL FOR CONSTRUCTION OF THE ACCESS ROAD OR PAD WITHOUT PAYMENT IN ADVANCE.

APPROVAL OF THIS APPLICATION DOES NOT WARRANT OR CERTIFY THAT THE APPLICANT HOLDS LEGAL OR EQUITABLE TITLE TO THOSE RIGHTS IN THE SUBJECT LEASE WHICH WOULD ENTITLE THE APPLICANT TO CONDUCT OPERATIONS THEREON.

APPROVED BY

Earle Smith

TITLE

Acting Area Manager

DATE

7-29-94

\* PENDING NSP APPROVAL

\*See Instructions On Reverse Side

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088



Form C-102

Revised February 10, 1994  
Instructions on back  
Submit to appropriate District Office  
State Lease - 4 Copies  
Federal Lease - 3 Copies

☐ AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

1 APT Number 30-015-63022		1 Pool Code Abo 82730		1 Pool Name PECOS SLOPE Abo		
1 Property Code		1 Property Name SPRING FEDERAL			1 Well Number 4	
1 OGRID No.		1 Operator Name YATES PETROLEUM CORPORATION			1 Elevation 3692	

#### 10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	5	6 S	26E		660	North	1980	East	Chaves

#### 11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 160		13 Joint or Infill		14 Consolidation Code		15 Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<div>16</div> <p>NM 32167</p> <p>SHORT SECTION</p> <p>ALL OF 5 DEDICATED TO WELL</p>				<div>17 OPERATOR CERTIFICATION</div> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Clinton R. May</i> Signature CLINTON R. MAY Printed Name PERMIT AGENT Title 6-24-94 Date</p>	
				<div>18 SURVEYOR CERTIFICATION</div> <p>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 belief.</p> <p>4/01/94 Date of Survey Signature and Seal of Registered Surveyor HERSCHEL L. JONES 3640 Certificate Number 3640</p>	