

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Form C-139
Originated 11/1/95

Submit Original
Plus 2 Copies
to appropriate
District Office

H-0111

**APPLICATION FOR
QUALIFICATION OF PRODUCTION RESTORATION PROJECT
AND CERTIFICATION OF APPROVAL**

THREE COPIES OF THIS APPLICATION MUST BE FILED WITH THE APPROPRIATE DISTRICT OFFICE OF THE OIL CONSERVATION DIVISION.

- I. Operator: Yates Petroleum Corporation OGRID #: 25575
Address: 105 South 4th Street Artesia, NM 88210
Contact Party: Theresa Sloan Phone: 505-748-1471
- II. Name of Well: Berry "APN" State #1 API #: 30-025-27250
Location of Well:
Unit Letter T, 1980 Feet from the South line and 660 feet from the West line, Section 5,
Township 21S, Range 34E, NMPM, Lea County
- III. Previous Producing Pool Name: Berry Bone Springs, North
- IV. Describe the process used to return the Well to production. (Attach additional information if necessary):
Please refer to attached Sundry Notice.
- V. Date the Production Restoration Project was commenced: 10-11-95
Date the Well was returned to production: 11-20-95
- VI. Identify the Oil Conservation Division records which show the Well had thirty (30) days or less production between January 1, 1993 and December 31, 1994:

[☒] Ongard inactive well list; or [☐] OCD Form C-115 (Operator's Monthly Report)

VII. AFFIDAVIT:

State of New Mexico)
) ss.
County of Eddy)

Theresa Sloan, being first duly sworn, upon oath states:

1. I am the Operator or authorized representative of the Operator of the above referenced Well.
2. I have personal knowledge of the facts contained in this Application for Qualification of a Production Restoration Project.
3. The data utilized to prepare this application is complete and correct.

Theresa Sloan
(Name) Theresa Sloan

Petroleum Engineer
(Title)

SUBSCRIBED AND SWORN TO before me this 13 day of Aug, 1996

Armando Guzman
Notary Public

My Commission expires: 12-5-99

FOR OIL CONSERVATION DIVISION USE ONLY:

VIII. CERTIFICATION OF APPROVAL:

This Application for Qualification of a Production Restoration Project is hereby approved and the above referenced Well is designated as a Production Restoration Project pursuant to the "Natural Gas and Crude Oil Production Incentive Act" (Laws 1995, Chapter 15, Sections 1 through 8). By copy of this Application and Certification of Approval, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that production was restored in this Production Restoration Project on:

11/20, 1995

Paul G. Nantz
District Supervisor, District 1 Geologist
Oil Conservation Division

Date: 8/19/96

IX. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT.
DATE: _____

RECEIVED
SEP 19 1996
OIL CONSERVATION DIVISION

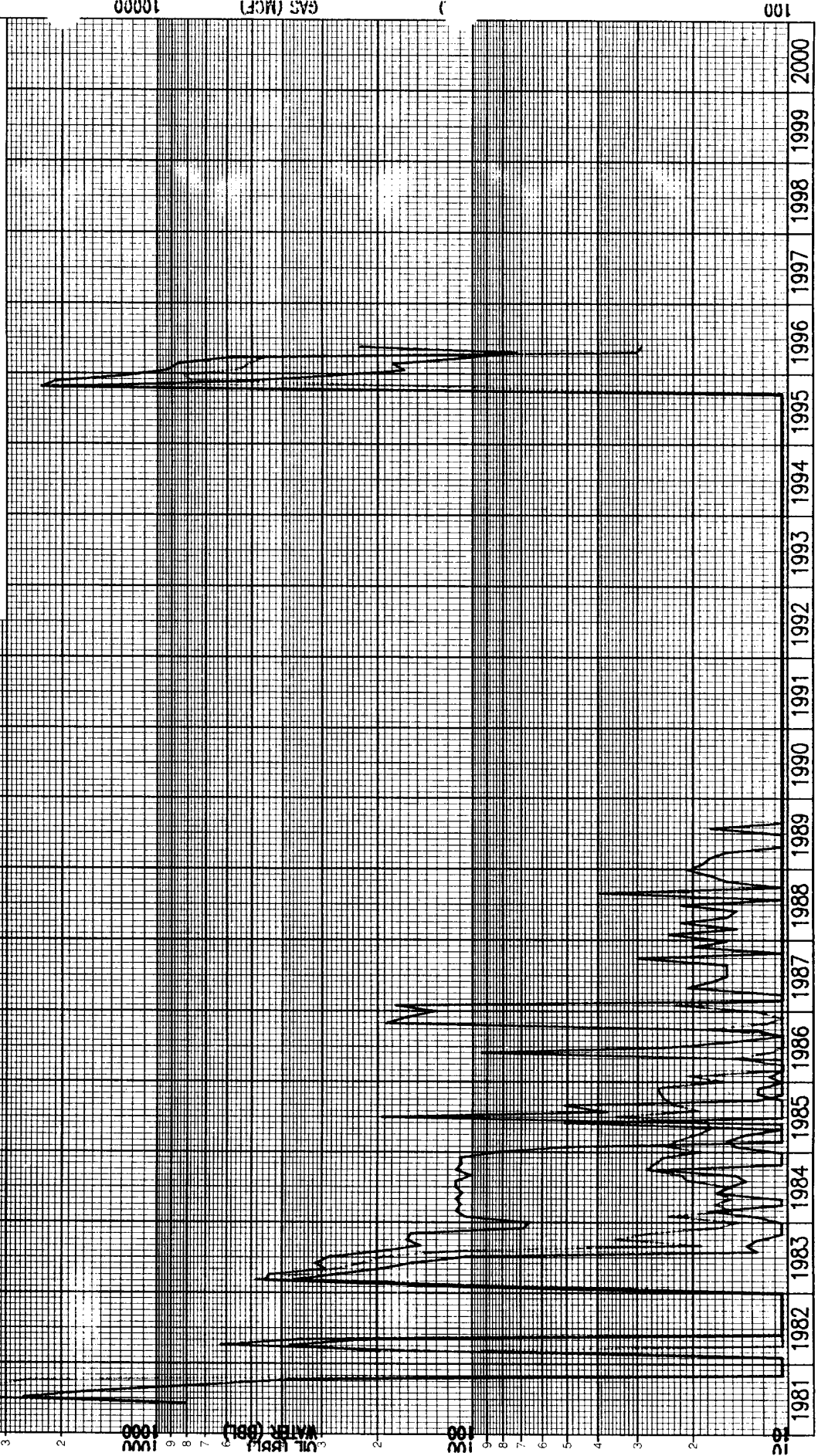
38 Date: 08/13/96
3300 time: 09:03:33

PRODUCTION HISTORY

File: BERRYAPN
Cat#: 1

BERRY APN STATE 1
F=BERRY NORTH (BONE SPRINGS)
5L 21S 34E
YATES PETROLEUM CORP

CASE: BERRY APN STATE 1



CUMULATIVE OIL (BBL)=

16790.

DPC & A

YEARS

SL 20 3 3

CUMULATIVE GAS (MCF)=

DISTRICT I
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DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-025-27250
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. V-3524
7. Lease Name or Unit Agreement Name Berry APN State
8. Well No. 1
9. Pool name or Wildcat Berry Bone Springs, North

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:
OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. Name of Operator
YATES PETROLEUM CORPORATION

3. Address of Operator
105 South Fourth Street - Artesia, NM 88210

4. Well Location
Unit Letter L : 1980 Feet From The South Line and 660 Feet From The West Line

Section 5 Township 21S Range 34E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3731' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: Commence re-entry <input checked="" type="checkbox"/>

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

10-6-95 - Started dirt work. Removed dry hole marker. Started jack hammering out cellar around wellhead. Cellar is full of cement. NOTE: Notified OCD-Hobbs of commencing re-entry.

10-7-9-95 - Worked on cellar, wellhead and location.

10-10-95 - Installed wellhead. Finished dirt work. Set and tested anchors.

10-11-95 - Finished work on cellar. Moved in and rigged up pulling unit. Set tanks and rigged up reverse equipment. Installed tubinghead and BOP.

10-12-95 - Picked up 6-1/8" bit, drill collar and power swivel. TIH and tagged cement plug at 7'. Started drilling on plug. Drilled down to 30'. TOOH with bit. TIH with blade bit to 30' and continued drilling cement plug. Drilled out of cement at 152'. NOTE: Spudded at 8:30 AM 10-11-95.

10-13-95 - TIH and tagged 2nd plug at 1617'. Circulate casing clean and started drilling on 2nd plug. Drilled down to 1711'. TOOH with blade bit. TIH with 6-1/8" mill tooth bit, drill collars and 2-7/8" tubing. Resumed drilling cement at 1711'. Drilled out of cement plug at 1821'. TIH and tagged 3rd plug at 3476'. Drilling on cement plug.

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

SIGNATURE Rusty Klein TITLE Production Clerk DATE 10-24-95

TYPE OR PRINT NAME Rusty Klein TELEPHONE NO. 505-748-1471

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____ DATE _____

OCT 31 1995

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-025-27250
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. V-3524
7. Lease Name or Unit Agreement Name Berry APN State
8. Well No. 1
9. Pool name or Wildcat Berry Bone Springs, North

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Name of Operator YATES PETROLEUM CORPORATION	
3. Address of Operator 105 South Fourth Street - Artesia, NM 88210	
4. Well Location Unit Letter <u>T</u> : 1980 Feet From The <u>South</u> Line and <u>660</u> Feet From The <u>West</u> Line Section <u>5</u> Township <u>21S</u> Range <u>34E</u> NMPM Lea County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3731' GR	

11. Check Appropriate Box to Indicate Nature of Notice; Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: Re-entry ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

10-14-95 - Continue drilling cement. Drilled out of cement plug at 3729'. Dropped down and tagged plug #4 at 5560'. Circulated casing clean. Started drilling on cement plug #4 at 5560'. Drilled out of cement at 5754'. Dropped down and tagged plug #5 at 8483'. Circulated casing clean. Started drilling on cement plug #5 at 8483'.
10-15-95 - Continue drilling on cement plug. At 8726', started drilling on junk. Drilled cement at steel to 8370'. Circulate casing clean. Tested casing to 1500 psi. Started out of hole with 2-7/8" tubing. Rig broke down. Shut down for rig repairs.
10-16-95 - Shut down for rig repairs.
10-17-95 - TOOH with tubing, drill collars and bit. Middle of bit worn out from drilling on metal. TIH with 6-1/8" shoe, 1 joint of wash pipe, drill collars and 2-7/8" tubing. Tagged up at 8730'. Rigged up power swivel. Drilled cement down to 8733'. Started milling on metal at 8733'.
10-18-95 - Continue milling on packer.
10-19-95 - Milling on packer.

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

SIGNATURE Rusty Klein TITLE Production Clerk DATE 10-24-95
TYPE OR PRINT NAME Rusty Klein TELEPHONE NO. 505-748-1471

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-025-27250
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. V-3524
7. Lease Name or Unit Agreement Name Berry APN State
8. Well No. 1
9. Pool name or Wildcat Berry Bone Springs, North

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1. Type of Well:
OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. Name of Operator
YATES PETROLEUM CORPORATION

3. Address of Operator
105 South Fourth Street - Artesia, NM 88210

4. Well Location
Unit Letter T : 1980 Feet From The South Line and 660 Feet From The West Line

Section 5 Township 21S Range 34E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3731' GR

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NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: Re-entry <input checked="" type="checkbox"/>

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

10-20-95 - Milling on packer.

10-21-95 - Milling on packer. Packer turned loose and pushed down hole to 8882'. TOOH with shoe & tubing. TIH with 6" lead block. Tagged packer at 8882' with 2000#. Moved packer down hole to 8959'. TOOH with lead block.

10-22-95 - TIH with new shoe. Tagged packer at 8959'. Pushed packer to 11320'. TOOH with shoe, jars and drill collars. TIH with bit and scraper to 10800'. Circulated hole with 2% KCL water. TOOH. Shut down.

10-23-95 - Prep to resume operations.

10-24-95 - TIH with packer and 2-7/8" tubing. Set packer at 8873'. Tested casing below 8873' to 2800 psi for 10 minutes. Pulled up and set packer at 8783'. Tested casing above 8783' to 2700 psi for 10 minutes. TOOH with tubing and packer. Rigged up wireline. TIH with logging tools and ran CBL/CCL/GR log. TOOH with logging tools. Shut down.

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

SIGNATURE Rusty Klein TITLE Production Clerk DATE 10-24-95

TYPE OR PRINT NAME Rusty Klein TELEPHONE NO. 505-748-1471

(This space for State Use)

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-025-27250
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. V-3524
7. Lease Name or Unit Agreement Name Berry APN State
8. Well No. 1
9. Pool name or Wildcat Berry Bone Springs, North

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	2. Name of Operator YATES PETROLEUM CORPORATION
3. Address of Operator 105 South Fourth Street - Artesia, NM 88210	4. Well Location Unit Letter L : 1980 Feet From The South Line and 660 Feet From The West Line Section 5 Township 21S Range 34E NMPM Lea County
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3731' GR	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: Perforate & acidize ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

10-25-95 - Rigged up wireline. TIH with 4" casing guns and perforated 10636-10658' w/52 .38" holes (4 SPF) as follows: 10636-10641', 10648-10650' and 10655-10658'. TOOH with casing guns and rigged down wireline. TIH with packer and 2-7/8" tubing. Set packer at 10554'. Acidized perforations 10636-10658' with 1500 gallons 7-1/2% NEFE acid and ball sealers. Bled well down. Swabbing.

10-26-95 - Swabbed. Shut well in.

10-27-95 - Swabbed. Unset packer. TOOH with tubing and packer. Shut down.

10-28-95 - Rigged up wireline. TIH with 4" casing guns and perforated 9358-9578' w/15 .38" holes (1 SPF) as follows: 9358, 63, 69, 74, 78, 9488, 92, 96, 9527, 29, 56, 62, 68, 75 & 9578'. TOOH with casin guns and rigged down wireline. TIH w/RBP, packer and tubing. Rigged up wireline. TIH with 1-11/16" gamma ray and correlated tools into place. TOOH - with gamma ray and rigged down wireline. Set RBP at 9642' and tested to 4000 psi. Set packer at 9535'. Acidized perforations 9556-9578' with 1000 gallons 7-1/2% NEFE acid and ball sealers. Bled well down. Moved tools and set RBP at 9535' and packer at 9423'.

Acidized perforations 9488-9529' w/1000 gallons 7-1/2% NEFE acid and ball sealers. Bled well down. Straddled perforation 9488-9578'. Swabbing.

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

SIGNATURE Rusty Klein TITLE Production Clerk DATE 10-31-95
TYPE OR PRINT NAME Rusty Klein TELEPHONE NO. 505-748-1471

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.	30-025-27250
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	V-3524
7. Lease Name or Unit Agreement Name	Berry APN State
8. Well No.	1
9. Pool name or Wildcat	Berry Bone Springs, North

SUNDRY NOTICES AND REPORTS ON WELLS
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1. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	2. Name of Operator YATES PETROLEUM CORPORATION
3. Address of Operator 105 South Fourth Street - Artesia, NM 88210	4. Well Location Unit Letter <u>I</u> : <u>1980</u> Feet From The <u>South</u> Line and <u>660</u> Feet From The <u>West</u> Line Section <u>5</u> Township <u>21S</u> Range <u>34E</u> NMPM Lea County
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3731' GR	

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NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: Perforate, acidize & frac <input type="checkbox"/>

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.
10-31-95 - Swabbed. Pulled up with tools and straddled perforations 9358-9578'. Acidized perforations 9358-9378' w/1000 gallons 7-1/2% NEFE acid and ball sealers. Bled well down and began swabbing.
11-1-95 - Unset packer and RBP. TOOH with tubing, packer and RBP. TIH with 10K Uni VI packer and 3-1/2" N-80 tubing. Set packer at 10196'. Shut down.
11-2-95 - Frac'd perforations 10636-10658' (Bone Springs) with 94000 gallons 35# cross-link gel, 180000# 20-40 Ottawa sand and 66000# AC-frac black resin coated sand. Shut well in for 5-1/2 hours. Bled well down to pit.
11-3-95 - Flowed well down. Reverse circulated with 120 bbls 2% KCL. TOOH with packer. TIH with packer and RBP. Set RBP at 9768'.
11-4-95 - Rigged up BJ Services. Attempted to frac perforations 9358-9578'. BJ had problems with their equipment. Shut down.
11-5-95 - Rigged up BJ Services. Frac'd perforations 9358-9578' with 121,700 gallons 35# crosslink gel, 200000# 20-40 sand and 50000# AC-frac sand. Force closed well. Shut in 5 hours. Flowing back.

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

SIGNATURE Rusty Klein TITLE Production Clerk DATE Nov. 13, 1995
TYPE OR PRINT NAME Rusty Klein 505-748-1471
TELEPHONE NO.

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

NOV 17 1995

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

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OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: Perforate, acidize & frac

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

11-6-95 - Continue to flow well down. Unset packer. Reverse circulated tubing. TOOH with 3-1/2" tubing. TIH with 2-7/8" tubing and retrieving head. Washed sand and unset RBP. Pulled RBP 10 stands above perforations. Shut down for night.

11-7-95 - TOH with tubing, packer and RBP. TIH with 4" casing guns and perforated 9038-9186' w/15 .42" holes as follows: 9038, 42, 44, 47, 71, 73, 9144, 48, 64, 67, 71, 80, 82, 84 & 9186'. TOOH with casing guns and rigged down wireline. Shut down due to high winds.

11-8-95 - TIH with RBP, packer and 2-7/8" tubing. Set RBP at 9274' and tested to 3000 psi Straddled perforations 9144-9186'. Acidized with 1000 gallons 7-1/2% NEFE acid and ball sealers. With 18 bbls of acid in formation, communicated with upper perforations. Pulled up and straddled perforations 9038-9073'. Pumped 6 bbls 7-1/2% NEFE acid into perforation 9038-9073'. Straddled perforations 9038-9186' and acidized with 1000 gallons 7-1/2% NEFE acid and ball sealers. Bled well down and began swabbing.

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

SIGNATURE

Rusty Klein

TITLE

Production Clerk

DATE 11-14-95

TYPE OR PRINT NAME

Rusty Klein

505-748-1471
TELEPHONE NO.

(This space for State Use)

DATE

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PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: <u>Perforate, acidize & frac</u> <input checked="" type="checkbox"/>

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

11-9-95 - TOOH with 2-7/8" tubing, packer and RBP. TII with RBP, packer and 3-1/2" tubing. Set RBP at 9280' and tested to 4000 psi. Pulled up and set packer at 8950'. Shut down.

11-10-95 - Frac'd perforations 9038-9186' (Bone Springs) with 90000 gallons 35# cross-link gel, 180000# 20-40 Ottawa sand and 66000# 20-40 resin coated sand. Force closed well for 20 minutes. Shut in for 12 hours. Opened well at 1:00 AM and began flowing back frac fluid.

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

SIGNATURE

Rusty Klein

TITLE

Production Clerk

DATE 11-14-95

TYPE OR PRINT NAME

Rusty Klein

505-748-1471
TELEPHONE NO.

(This space for State Use)

APPROVED BY

DATE

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.

30-025-27250

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

V-3524

7. Lease Name or Unit Agreement Name

Berry APN State

8. Well No.

1

9. Pool name or Wildcat

Berry Bone Springs, North

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)

1. Type of Well:

Oil

WELL ☒

GAS

WELL ☐

OTHER

2. Name of Operator

YATES PETROLEUM CORPORATION

3. Address of Operator

105 South Fourth Street - Artesia, NM 88210

4. Well Location

Unit Letter J : 1980 Feet From The South Line and 660 Feet From The West Line

Section 5

Township 21S

Range 34E

NMPM

Lea

County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

3731' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Perforate, acidize & frac ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

11-11-95 - Continue flowing back frac fluid.

11-12-95 - Well bled down. Unset packer at 8950' and reversed hole with 120 bbls 2% KCl water. TOOH with 3-1/2" tubing and packer.

11-13-95 - TIH with retrieving head and 2-7/8" tubing. Tagged sand at 9204'. Reversed 76' of sand out of hole to RBP at 9280'. Unset RBP and TOOH with tubing and RBP. Shut down.

11-14-95 - TIH with 4" casing guns and perforated 8850-8860' w/44 .42" holes. TIH with RBP, packer and 3-1/2" tubing. Set RBP at 8945' and tested to 3000 psi. Pulled up and set packer at 8748'. NOTE: Existing perms 8829-8859'. Acidized perforations 8829-8860' with 1500 gallons 7-1/2% NEFE acid and ball sealers. Bled well down and began swabbing.

11-15-16-95 - Shut down. Prep to frac.

11-17-95 - Frac'd perforations 8829-8860' with 103000 gallons 35# crosslink gel, 180000# 20-40 Ottawa sand and 66000# 20-40 resin coated sand. Force closed well. Shut in 7 hours. Opened well up and began flowing back frac fluid.

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

SIGNATURE

Rusty Klein

TITLE

Production Clerk

DATE 11-21-95

TYPE OR PRINT NAME

Rusty Klein

505-748-1471
TELEPHONE NO.

(This space for State Use) ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

NOV 28 1995

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
B. ay, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88210

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.	30-025-27250
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEB <input type="checkbox"/>
6. State Oil & Gas Lease No.	V-3524
7. Lease Name or Unit Agreement Name	Berry APN State
8. Well No.	1
9. Pool name or Wildcat	Berry Bone Springs, North

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)	
1. Type of Well: Oil Well <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Name of Operator YATES PETROLEUM CORPORATION	
3. Address of Operator 105 South Fourth Street - Artesia, NM 88210	
4. Well Location Unit Letter <u>T</u> : 1980 Feet From The South Line and 660 Feet From The West Line Section 5 Township 21S Range 34E NMPM Lea County	10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3731' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: Perforate, acidize & frac <input type="checkbox"/>

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

11-18-95 - Continue flowing back frac fluid. Unset packer and reversed casing with 2% KCL water. TOOH and laid down 3 1/2" tubing and packer.

11-19-95 - TIH with 2-7/8" tubing. Reversed 152' of sand off of RBP at 8945'. Unset RBP at 8945'.

11-20-95 - TOOH with 2-7/8" tubing and packer. Released well to production department.

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

SIGNATURE

Rusty Klein

TITLE

Production Clerk

DATE 11-21-95

TYPE OR PRINT NAME

Rusty Klein

505-748-1471
TELEPHONE NO.

(This space for State Use)

YATES PETROLEUM CORPORATION
CHRONOLOGICAL DRILLING REPORT
Berry "APN" State #1
Unit T
5-21S-34E
Lea County, New Mexico

RE-ENTRY

Proposed to re-enter this well that was plugged by Smith and Marrs in January, 1994, cleaning out cement plugs to a TD of approx 11,350' and test selective Bone Spring intervals.

10-5-95 Started dirt work. Moving in service unit on Sunday.

10-6-95 Started dirt work. Removed dry hole marker. Started jack hammering out cellar around wellhead. Cellar is full of cement. Will have to go down approx 8' to made cut off on 7" casing. Notified NMOCD in Hobbs of re-entry. Continued location work. DC \$1970

10-7-9-95 Worked on cellar, wellhead and location. Finishing location today. Moving in service unit Tuesday.

10-10-95 Installed wellhead. Finished dirt work on location. Set and test anchors. Prep to move in and rig up pulling unit and reverse unit equipment. DC \$2010

10-11-95 Finished work on cellar. Moved in and rigged up pulling unit. Set tanks and rig up reverse unit. Installed tubing head and BOP. Prep to start drilling on surface plug. DC \$5715; CC \$7725

10-12-95 Picked up 6-1/8" bit, 1 drill collar and power swivel. TIH and tag cement plug at 7'. Started drilling on plug. Drilled down to 30' and TOH with bit. TIH with blade bit to 30' and continued drilling cement plug. Drilled out of cement at 152'. At report time - TIH to 2nd plug. DC \$7033; CC \$14,758

10-13-95 TIH and tag 2nd plug at 1617'. Circ casing clean and start drilling on 2nd plug. Drill down to 1711'. and TOH with blade bit. TIH with 6-1/8" mill tooth bit, drill collars and 2-7/8" tubing and resume drilling cement at 1711'. NOTE: Drilled up 2' piece of steel from 1711' to 1713'. Drilled out of cement plug at 1821'. TIH and tag 3rd plug at 3476'. Started drilling on 3rd plug. At report time drilling cement at 3567'. Continued drilling. DC \$7033; CC \$21,791

10-14-95 Continued drilling cement. Drilled out of cement plug at 3729'. Drop down and tag plug #4 at 5560'. Circ casing clean and start drilling on plug #4 at 5560'. Drill out of cement at 5754'. Drop down and tag plug #5 at 8483'. Circ casing clean and start drilling on plug #5 at 8483'. At report time: 8 AM 10-14-95, drilling cement at 8676'. DC \$5978; CC \$27,769

10-15-95 Continued drilling cement plug. At 8726' started drilling on junk. Drilled cement at steel to 8370'. Circ casing clean and test casing to 1500 psi. Start out of hole with 2-7/8" tubing. Compressor went out and fly wheel broke. Shut down for rig repairs. DC \$4792; CC \$32,561

10-16-95 Shut down for rig repairs.

10-17-95 Repair rig. TOH with 2-7/8" tubing, drill collars and bit. Middle of bit worn out from drilling on metal. TIH with 6-1/8" shoe, 1 joint of wash pipe, drill collars and 2-7/8" tubing. Tagged up at 8730'. Rigged up power swivel. Drilled cement down to 8733' and started milling on metal at 8733'. At report time, milling on metal at 8734'. Suspect bridge plug was cemented in hole when well was P & A'd. DC \$4792; CC \$37,353

10-18-95 Continued milling on packer. Recovering steel cuttings and rubber. At 9:00 PM TOH with 2-7/8" tubing, drill collars, jars, washpipe and shoe. TIH with new shoe. Wash pipe, jars, drill collars and 2-7/8" tubing. TAGged up and resume milling on packer at +8734'. DC \$5688; CC \$43,041

10-19-95 Continued milling on packer at +8734'. Feels like we are spinning on spacer rings between packer rubbers. At 3:00 AM 10-19-95, got past spacer ring and started milling on packer body. Milled up 3" by 6:00 AM. Continued milling on packer. DC \$5688; CC \$48,729

10-20-95 Continued milling on packer. Milling slowed down. TOH with 2-7/8" tubing, drill collars, jars, washpipe and shoe. Shoe was worn out. TIH with shoe, washpipe, jars, drill collars and 2-7/8" tubing. Resumed milling on packer. Milled 3 more inches and started spinning on part of packer. POH. Will run impression block. DC \$6688; CC \$55,417

10-21-95 Continued milling on packer. Milled up metal cuttings and rubber. Made +/-4". Continued milling on packer. DC \$5688; CC \$61,105

10-22-95 Mill on packer.

10-23-95 Push packer to bottom. Circulated with 2% KCL. Shut down.

8-24-95 TIH with packer and 2-7/8" tubing. Set packer at 8873' and tested casing below 8873' to 2800 psi for 10 mins. Pulled up and set packer at 8783'. Tested casing above 8783' to 2700 psi for 10 mins. TOH with 2-7/8" tubing and packer. Rigged up wireline. TIH with logging tools. Correlated tools into place and run CBL/CCL/GR log from 11,010' to 5500'. Good bond. TOH with logging tools. Shut down. Prep to perforate and acidize Bone Springs I with 1500 gals and balls

10-25-95 Rigged up wireline. TIH with 4" casing guns. Correlated guns into place and perforated Bone Springs (4 SPF - 90 deg phasing) with 52 - .38" holes as follows: 10,636-41', 10,648-50' and 10,655-58'. TOH with casing guns and rigged down wireline. TIH with packer and 2-7/8" tubing. Set packer at 10,554' and acidized perfs 10,636-58' with 1500 gals 7-1/2% NEFE acid and 50 balls. Break down 5000 psi. Avg 5 BPM @ 4000 psi. ISDP 2900 psi, 15 mins 2850 psi. Total load to recover 110 bbls. Bled well down and started swab. Swabbed as follows:

TIME	FL	#SR	OIL	WATER
4 PM	2500'		30	
5 PM	5000'		15	
6 PM	7000'	2	10	
7 PM	9000'	2	8	
8 PM	SN	2	3	
9 PM	9800'	2	3	
10 PM	9800'	2	3	
11 PM	9800'	2	3	
12 AM	9800'	2	3	
1 AM	9800'	2	3	
2 AM	9800'	2	2	
3 AM	9800'	2	5%	2
4 AM	9800'	2	5%	2 sl blow on swb
5 AM	9800'	2	5%	2 sl blow on swb
6 AM	9800'	2	5%	2 sl blow on swb

Total recovered 91 bbls water. Load left 19 bbls water. Will swab today. DC \$10,357

10-26-95 Continued making hourly swab runs til 4:00 PM. Swabbed as follows:

TIME	FL	#SR	OIL	WATER
7 AM	9800'	1	5%	2
8 AM	9800'	1	5%	2
9 AM	9800' scat.	1	5%	2
10 AM -				
1 PM	repair sand line			
2 PM	9800' scat.	1	10%	1/2
3 PM	-----			
4 PM	9800' scat.	1	10%	1/2

Total recovered 98 bbls water. Load left 12 bbls water. Shut well in. Prep to swab. DC \$1510 THIS AM (6:30 AM): Fluid level 9800' scattered. Recovered 1/2 bbl - 60% oil.

WATER ANALYSIS: 2:00 PM 10/25 5:00 PM			
Sp. Gravity	1.120 @ 74	1.110 @ 74	
Resistivity	0.055 @ 75	0.055 @ 75	
pH	5.35	5.44	
Iron	3000	3000	
Sulfate	625	541	
Calcium	ND	ND	
Tot Hardness	ND	ND	
Magnesium	ND	ND	
Bicarbonates	196	121	
Chloride	214,237	216,167	
CALC	352,421	355,596	
Sod & Pot	ND	ND	
Tot Diss solids	215,059	216,829	
Iodine	absent	absent	
Pot. Chl	absent	absent	

70% wtr, 30% oil 60% wtr, 40% oil

10-27-95 Continued swabbing every 2 hours till 11 AM -

TIME	FL	#SR	BO	BW
7 AM	9800' scat	2	60%	1/2
9 AM	9800' scat	1	12 gals	9 gals
11 AM	9800' scat	1	13 gals	14 gal

Total recovered 1 bbl oil and 94 bbls water. Load left 11 bbls water. Unset packer. TOH with 2-7/8" tubing and packer. Shut down. Prep to perf and acidize Bone Spring 2. DC \$1561

10-28-30-95 Rigged up wireline. TIH with 4" casing guns. Correlated guns into place and perforated Bone Spring (1 SPF - 0 deg phasing) with 15 - .38" holes as follows: 9358', 63', 69', 74', 78', 9488', 92', 96', 9527', 29', 56', 62', 68', 75', and 78'. TOH with casing guns and rigged down wireline. TIH with RBP, packer and 2-7/8" tubing. Rigged up wireline. TIH with 1-11/16" Gamma ray and correlated tools into place. TOH with Gamma ray and rigged down wireline. Set RBP at 9642' and tested to 4000 psi. Set packer at 9535'. Acidized perfs 9556-78' with 1000 gals 7-1/2% NEFE acid and 10 balls. Breakdown 6400 psi. Avg 5 BPM @ 3700 psi. Balled out. ISDP 1900 psi, 10 mins 1700 psi. Bled well down. Moved tools.

Set RBP at 9535' and packer at 9423'. Acidized perfs 9488-9529' with 1000 gals 7-1/2% NEFE acid and 10 balls. Breakdown 2400 psi. Avg 5 BPM @ 4200 psi - good ball action. ISDP 2100 psi, 10 mins 1600 psi. Total load to recover 119 bbls. Bled well down. Straddled perfs 9488-9578'. Rigged up swab. Swabbed til Noon 10-28-95 as follows:

TIME	FL	#SR	OIL	WATER
8 PM	4900'	4	24	
9 PM	6800'	3	13	
10 PM	7500'	2	8	
11 PM	8500'	2	6	
12 AM	SN	2	1	
1 AM	8800'	1	1	
2 AM	8800'	1	1	
3 AM	8800'	1	1	
4 AM	8800'	1	1	
5 AM	8800'	1	10%	1
6 AM	8800'	1	10%	1
7 AM	8800'	1	30%	1
8 AM	8800'	1	30%	1
9 AM	8800'	1	30%	1
10 AM	8800'	1	30%	1
11 AM	8800'	1	30%	1
12 PM	8800'	1	30%	1

Total recovered 62 bbls water and 2 bbls oil. Load left 57 bbls water. Prep to acidize perfs 9358-78'. DC \$11,205. THIS AM: SITP 100 psi. Fluid level 5000'. First run recovered 5 bbls oil.

WATER ANALYSIS: 10-28-95 perfs, 9488-9578'
Sp. Gravity 1.125 @ 70 Resistivity 0.045 @ 75
(approx)

pH	1.90	Iron	3500
Sulfate	333	Calcium	40,930
Tot Hardness	136,971	Magnesium	8424
Bicarbonate	ND	Chloride	124,416
CALC	204,665	Sod & Pot	17,946
Tot Diss Sol	279,667	API Gravity	16.3

10-31-95

SITP 100 psi. Rigged up swab. Intitial fluid level 5000'. First swab run recovered 5 bbls oil. Pulled up with tools and straddled perfs 9358-78'. Acidized with 1000 gals 7-1/2% NEFE acid and 10 balls. Break down 2100 psi. Avg 5.3 BPM @ 3100 psi. Balled out. ISDP 1850 psi, 15 mins 1762 psi. Total load to recover 97 bbls. Bled well down and rigged up swab. Swabbed as follows:

TIME	FL	#SR	OIL	WATER
Noon	4500'	5	30	
1 PM	5500'	4	16	
2 PM	6500'	3	13	
3 PM	8500'	2	11	
4 PM	SN	2	6	
5 PM	SN	1	1%	1
6 PM	SN	1	1%	1/2
7 PM	SN	1	1%	1
8 PM	SN	1	3%	1/2
9 PM	SN	1	3%	1/2
10 PM	SN	2	0	0
11 PM	SN	1	3%	1/2
12 AM	SN	1	3%	1/2
1 AM	SN	1	3%	1/2
2 AM	SN	1	3%	1/2
3 AM	SN	1	0	0
4 AM	SN	1	3%	1/2
5 AM	SN	1	3%	1/2
6 AM	SN	1	3%	1/2

Total recovered 83 bbls water. Load left 14 bbls water. Prep to frac Wednesday. DC \$5265

11-1-95

Unset packer. Unset RBP. TOH with 2-7/8" tubing, packer and RBP. TIH with 10K Uni VI packer and 3-1/2" N-80 tubing. Set packer at 10,196'. Shut down. Prep to frac Bone Springs zone BS-1 and BS-2 perfs 10,636-58' Wednesday. DC \$3666

WATER ANALYSIS: 10-31-95 7:00 AM
Sp. Gravity 1.070 @ 70 Resisitivity 0.075 @ 75
pH 2.67 Iron 3560
Sulfate 24 Calcium 7484
Tot Hardness 63,590 Magnesium 10,901
Bicarbonate ND Chloride 67,275

	CALC	110,667	Sod & Pot	14,441
	Tot Diss Sol	145,329	Iodine	absent
	Pot Chl	absent		
	NOTE: 80% water, 20% oil, API oil gravity 28.			
11-2-95	Frac'd Bone Springs perfs 10,636-58' with 94,000 gals 35# x-link gel, 180,000# 20/40 Ottawa sand and 66,000# AC frac black resin coated sand. Avg 40 BPM @ 7000 psi. ISDP 3200 psi, 15 mins 3030 psi. Total load to recover 2341 bbls. Shut well in 5-1/2 hours. Opened well at 5:00 PM and started bleeding well down to pit. Prep to TOH with 3-1/2" tubing and packer. TIH with RBP, packer and 3-1/2" tubing and frac perfs 9358-9578'			
	TIME	CHOKE	PRESSURE	
	5 PM	1/8"	2800	
	6 PM	1/8"	2800	
	7 PM	1/8"	2750	
	8 PM	1/8"	2700	
	9 PM	1/8"	2600	
	10 PM	1/4"	2400	
	11 PM	1/4"	2400	
	12 AM	1/4"	2300	
	1 AM	3/8"	2000	
	2 AM	3/8"	2000	
	3 AM	3/8"	1800	
	4 AM	3/8"	1600	
	5 AM	1/2"	1100	
	6 AM	1/2"	800	
	7 AM	1/2"	500	
	Flowing to pit. No sand.			
1-3-95	Flowed well down. Reverse circulated with 120 bbls 2% KCL. TOH with packer. TIH with packer and RBP. Set RBP at 9768'. Would not test. Reset 4 different places and would not hold except in collar. Still would not test. TOH and TIH with different RBP. Prep to test RBP and frac BS-2.			
1-4-95	Rig up BJ. Attempted to frac perfs 9358-9578'. Had problems with encountered gel unit getting gel to hydration unit with 20,000# 2# sand pumped. Reloaded tanks and brought more sand. Attempted to frac again, but still had same problem. Will frac in AM with new hydration unit. DC \$2914			
1-5-95	Rig up BJ. Frac'd perfs 9358-9578' with 121,700 gals 35# S/L gel, 200,000# 20/40 sand and 50,000# AC Frac sand. Max 7940#, Min 6600#, Avg 7000# at 42 BPM. ISDP 4300#, 5 mins forced closed. Had to flush early due to BHP getting too high. Force closed well. Shut in for 5 hours. Flow back as per swab report. Load left to rec 5135 bbls.			
	TIME	PSI/CHOKE		
	4 PM	2000# - 1/8"		
	5 PM	1000#		
	6 PM	650#		
	7 PM	550#		
	8 PM	500# - open to 1/4" choke at 8 PM		
	9 PM	500#		
	10 PM	1500# - 1/4" some sand		
	11 PM	1500#		
	12 AM	1250# - open to 24/64" some sand		
	1 AM	600#		
	2 AM	1000#		
	3 AM	500#		
	4 AM	500# - open to 32/64" small sand		
	5 AM	500#		
	6 AM	500#		
	DC \$69,514			
1-6-95	Continued to flow well down to workable level. Unset packer and reverse circ tubing. TOH with 3-1/2" tubing. TIH with 2-7/8" tubing and retrieving head. Washed sand and unset RBP. Pulled RBP 10 stands above perfs. Shut down for night. Prep to continue POH and perf BS-3. DC \$3514			
1-7-95	TOH with 2-7/8" tubing, packer and RBP. TIH with 4" casing guns. Perforated Bone Spring 1 SPF with 15 - .42" holes as follows: 9038', 42', 44', 47', 71', 73', 9144', 48', 64', 67', 71', 80', 82', 84', 86'. TOH with casing gun and rig down wireline. Shut down due to high winds. Prep to TIH with RBP, packer and 2-7/8" tubing and acidize new perfs. DC \$3247; CC \$41,022			
-8-95	TIH with RBP, packer and 2-7/8" tubing. Set RBP at 9274' and tested to 3000 psi. Straddled perfs 9144-86' and acidized with 1000 gals 7-1/2% NEFE acid + 14 balls. Breakdown 3500 psi. Avg 5 BPM at 3300#. With 18 bbls of acid in formation, communicated with upper perfs. Pulled up and straddled perfs 9038-73'. Pumped 6 bbls 7-1/2% NEFE acid into perfs 9038-73' at 4 BPM, 2600#. Straddled perfs 9038-9186' and pumped 1000 gals 7-1/2% NEFE acid and 35			

balls. Avg 5 BPM at 3100#. Balled out to 6200#. ISDP 2850#, 15 mins 2450#. TLTR 161 bbls. Bled well down. Rigged up swab. Swabbed as follows:

TIME	FL	# SR	BO	BW
1 PM	3500'	5		25
2 PM	5600'	4		14
3 PM	6800'	2	5%	8
4 PM	SN	2	5%	3
5 PM	SN	2	5%	3
6 PM	SN	2	20%	3
7 PM	SN	2	20%	3
8 PM	SN	2	20%	3
9 PM	SN	2	20%	3
10 PM	SN	2	20%	3
11 PM	SN	2	20%	3
12 AM	SN	2	20%	3
1 AM	SN	2	20%	3
2 AM	SN	2	20%	3
3 AM	SN	2	20%	3
4 AM	SN	2	20%	3
5 AM	SN	2	20%	3
6 AM	SN	2	20%	3

Total recovered 85 bbls water and 7 bbls oil. Load left 76 bbls. Prep to frac Thursday with 93000 gals and 246,000# sand down 3-1/2" tubing. DC \$7942; CC \$48,964

- 11-9-95 TOH with 2-7/8" tubing, packer and RBP. TIH with RBP, packer and 3-1/2" tubing. Set RBP at 9280' and tested to 4000 psi. Pulled up an set packer at 8950'. Shut down. Prep to frac BS-3 perfs 9038-9186'. DC \$4081; CC \$53,045
- 11-10-95 Frac'd BS perfs 9038-9186' with 90,000 gals 35# crosslink gel, 180,000# 20/40 Ottawa sand and 66,000# 20/40 resin coated sand. AVg 36 BPM at 7200#. ISDP 3318#. TLTR 2685 bbls. Force close well for 20 mins. Shut in for 12 hours. Opened well at 1 AM (11-10-95) with 1750 psi on 1/8" choke to bleed well down. At 6 AM, well flowing back frac fluid at 1600# on 1/4" choke. Continued flowing well down. DC \$69,640
- 11-11-95 Continued flowing back frac fluid. At 5 PM well flowing 300 psi on 1/2" choke. Continued flowing well. DC \$2933
- 11-12-95 Well bled down to 0 psi on 3/4" choke at 9:30 AM. Unset packer at 8950' and reverse hole with 120 bbls 2% KCL water. Well started flowing again. Flowed well till 2:00 PM. TOH with 3-1/2" tubing and packer. Well flowing to pit at 80 psi on 3/4" choke. Flowed well down to pit. DC \$3929
- 11-13-95 TIH with retrieving head and 2-7/8" tubing. Got about half way in hole and well started flowing again. Flowed well down to pit for 2-1/2 hours. (black water) TIH and tag sand at 9204'. Reversed 76' of sand out of hole to RBP at 9280'. Unset RBP. TOH wet with well flowing black water with 2-7/8" tubing and RBP. Flowed well down to pit for 3 hours. Shut down. Prep to perforate BS-4. DC \$3549
- 11-14-95 TIH with 4" casing guns. Correlated into place and perforated Avalon BS-4 4SPF with 44 - .42" holes from 8850-60'. TIH with RBP, packer and 3-1/2" tubing. Set RBP at 8945' and tested to 3000 psi. Pulled up and set packer at 8748'. Acidized BS-4 perfs 8829-60' with 1500 gals 7-1/2% NEFE acid + 30 balls. Avg 5 BPM at 3000#. ISDP 2700#, 15 mins 2550#. TLTR 196 bbls. Bled well down and rigged up swab. Prep to frac Wednesday and Thursday and hang all BS on pump. DC \$9291
- 11-15-95 Plan to frac Avalon zone on Thursday.
- 11-16-95 Prep to frac Avalon zone and hang well on pump.
- 11-17-95 Frac'd BS 4 perfs 8829-8860' with 103,000 gals 35# crosslink gel, 180,000# 20/40 Ottawa sand and 66,000# 20/40 resin coated sand. Avg 43 BPM at 7700#. ISDP 4650#. Forced closed well. Shut in for 7 hours. Opened well at 9:00 PM with 3700# on 1/8" choke and started flowing back. At 6 AM (11/17/95) - well flowing frac fluid at 500 psi on 3/8" choke. Continued to flow back. Will hang BS zones on pump. DC \$65,310
- 11-18-95 Continued flowing well back. Unset packer and reversed casing with 2% KCL water. TOH and laid down 3-1/2" tubing and packer. Prep to wash sand off of RBP. DC \$3261
- 11-19-95 TIh with 2-7/8" tubing. Reversed 152' of sand off of RBP at 8945'. Unset RBP at 8945'. Well pressured up to 600 psi and started flowing well down to pit. Continued flowing well. Prep to TOH with 2-7/8" tubing and RBP. DC \$3261
- 11-20-95 Flowed well down to 0 psi on 1/2" choke at 9:00 AM. TOH with 2-7/8" tubing and RBP. Turned well over to production. DC \$3329
- 11-21-95 No report.
- 11-22-95 TD 14,160'; PBTD 11,354'. On a 24 hour Official Potential test taken 11-22-95 well pumped 214 BOPD, 50 MCFGPD and 394 BWPD at a GOR of 234:1, gravity N/A, through perforations 8829-10,658' Bone Springs. WELL IS PRODUCING
FINAL REPORT