P. O. Box 1 Hobbs, NM District II 811 S. Firs Artesia, NM District II 1000 Rio E Aztec, NM	IM 88241-1980Energyinerals and Natural Resources / Oil Conservation DivisionII - (505) 748-1283 rstOil Conservation DivisionIM 882102040 South Pacheco StreetIII - (505) 334-6178 Brazos Road M 87410Santa Fe, New Mexico 87505 (505) 827-7131	partment Form C-139 Originated 11/1/95 Submit Original Plus 2 Copies to appropriate District Office
	APPLICATION FOR QUALIFICATION OF PRODUCTION RESTORATION AND CERTIFICATION OF APPROVAL	PROJECT
	REE COPIES OF THIS APPLICATION MUST BE FILED WITH THE APPROPRINGER VATION DIVISION.	ATE DISTRICT OFFICE OF THE OIL
١.	Operator: Yates Petroluem Corporation OGR	ID #: 25575
	Address:	NM 88210
	Contact Party: Theresa Sloan Phone:	505-748-1471
II.	Name of Well:       Berry "APN" State #1       API #:         Location of Well:       Unit Letter T, 1980       Feet from the South line and 660       fee         Township 21S       , Range 34E       , NMPM, Lea	from the West line Section 5
111.	Previous Producing Pool Name: Berry Bone Springs, North	
IV.	Describe the process used to return the Well to production. (Attach additio Please refer to attached Sundry Notice.	nal information if necessary):
V.	Date the Production Restoration Project was commenced: $10-11-9$ Date the Well was returned to production: $11-20-95$	5
VI.	Identify the Oil Conservation Division records which show the Well had third January 1, 1993 and December 31, 1994: [X] Ongard inactive well list; or [] OCD Form C-115 (Operator's Monthly	
VII.	AFFIDAVIT:	
	State of <u>New Mexico</u> )	
	) ss. County of <u>Eddy</u> )	
	Theresa Sloan, being first duly sworn, upon oath states:	
	1. I am the Operator or authorized representative of the Operator of the I am the Operator of the I am the I am the Operator of the I am t	ne above referenced Well.
	<ol> <li>I have personal knowledge of the facts contained in this Applica Restoration Project.</li> </ol>	
	3. The data utilized to prepare this application is complete and correct	t.
	(Name) Theresa S1	oan

Petroleum Engineer (Title)

SUBSCRIBED AND SWORN TO before me this 13 day of ( 1994. 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:

\_, 19 24 120 District Supervisor, District **Oil Conservation Division** Date:

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





District Office		i New Mexico Vatural Resources Departs	mer	Form C-103 Revised 1-1-89
DISTRICT 1 P.O. Box 1980, Hobbs, NM 88240		ATION DIVISI	WELL API NO.	
DISTRICT II P.O. Drawer DD, Artesia, NM 88210	Santa Fe, New	Mexico 87504-2088	5. Indicate Type of	
DISTRICT III 1000 Rio Brazos Rd., Azzec, NM 87410			6. State Oil & Ga	
( DO NOT USE THIS FORM FOR PF DIFFERENT RESE (FORM (	TICES AND REPORTS ROPOSALS TO DRILL OR TO ERVOIR. USE "APPLICATION C-101) FOR SUCH PROPOSA	DEEPEN OR PLUG BACK		Unit Agreement Name
1. Type of Well: Oft. WELL X WELL	] OTHER		Berry	APN State
2 Name of Operator YATES PETROLEUM CORPO	DRATION	· .	8. Well No.	1
3. Address of Operator 105 South Fourth Stre	et - Artesia, NM	88210	9. Pool name or V Berry Bone	Wildcau Springs, North
4. Well Location; 198	30 Feet From The Sou	uth Line and	660 Feet From	n The West Line
Section 5	Township 21S 10. Elevation (Sho Appropriate Box to In	Range 34E ow whether DF, RKB, RT, GR, 3731' GR ndicate Nature of Not	elc.)	Lea County
	ITENTION TO:	_	SUBSEQUENT F	
	PLUG AND ABANDO		ряк	
TEMPORARILY ABANDON	CHANGE PLANS			
DTHER:			mence re-entry	X
bit to 30' and contin Spudded at 8:30 AM 10 10-13-95 - TIH and ta on 2nd plug. Drilled bit, drill collars an	rt work. Removed of llar is full of cer n cellar, wellhead wellhead. Finish work on cellar. Mo uipment. Installed 6-1/8" bit, drill drilling on plug. nued drilling cemen 0-11-95. agged 2nd plug at d down to 1711'. ' nd 2-7/8" tubing.	dry hole marker. ment. NOTE: Not and location. ed dirt work. Se oved in and rigge d tubinghead and collar and power Drilled down to nt plug. Drilled 1617'. Circulate TOOH with blade b Resumed drilling	Started jack ham ified OCD-Hobbs of t and tested anch d up pulling unit BOP. swivel. TIH and 30'. TOOH with out of cement at casing clean and it. TIH with 6-1 cement at 1711'.	nmering out cellar of commencing nors. t. Set tanks and d tagged cement bit. TIH with blade t 152'. NOTE: d started drilling 1/8" mill tooth Drilled out of
Cement plyg at 1821' I hereby certify that the information above in a skinkature Multy TYPE OR PRINT NAME Rusty Klein	the and complete to the best of my kind	nowledge and belief.	tion Clerk	рате10-24-95 505-748-1471 теlepikne No.

	State of Ne	w Mexico	·
Submit 3 Copies to Appropriate District Office		ral Resources Departme	Form C-103 Revised 1-1-89
DISTRICT I P.O. Dox 1980, Hobbs, NM 88240	OIL CONSERVA		WELL API NO.
DISTRICT II P.O. Drawer DD, Artesia, NM 88210	Santa Fe, New Me		30-025-27250 5. Indicate Type of Lease
<u>DISTRICT III</u> 1000 Rio Brazos Rd., Алес, NM 87410			6. State Oil & Gas Lease No.
· · · · · · · · · · · · · · · · · · ·			V-3524
( DO NOT USE THIS FORM FOR PRO DIFFERENT RESEI (FORM C	ICES AND REPORTS ON OPOSALS TO DRILL OR TO DEI RVOIR. USE "APPLICATION FO -101) FOR SUCH PROPOSALS.	EPEN OR PLUG BACK TO A	7. Lesse Name or Unit Agreement Name
1. Type of Well: Off. WELL X WELL	· ·		
WELL X WELL  2. Name of Operator	ÛTI IER	•	Berry APN State
YATES PETROLEUM CORPOR	RATION	· ·	8. Well No.
3. Address of Operator			9. Pool same or Wildcat
105 South Fourth Stree	et - Artesia, NM 882	210	Berry Bone Springs, North
	)FeetFrom TheSouth	Line and660	Reci From The West Line
NOTICE OF INT PERFORM REMEDIAL WORK	Appropriate Box to India TENTION TO: PLUG AND ABANDON CHANGE PLANS Hous (Clearly state all pertinent det 111ing cement. Drill 5560'. Circulated co of cement at 5754'.	Aether DF, RKB, RT, GR, etc.) 731' GR Tate Nature of Notice; R SUB REMEDIAL WORK COMMENCE DRILLING CASING TEST AND CE OTHER:Re-entr uils, and give pertinent dates, inclu- eld out of cement p tasing clean. Start Dropped down and	SEQUENT REPORT OF: ALTERING CASING ALTERING CASING ADDABANDONMENT ADDABANDONT ADDABANDONMENT ADDABANDONMENT ADDABANDONMENT ADDABANDONMENT AD
cement at steel to 837 out of hole with 2-7/8 10-16-95 - Shut down f 10-17-95 - TOOH with t on metal. TIH with 6-	illing on cement plu O'. Circulate casin " tubing. Rig broke or rig repairs. ubing, drill collars 1/8" shoe, l joint o igged up power swive	g. At 8726', start g clean. Tested ca down. Shut down f and bit. Middle o f wash pipe, drill	ed drilling on junk. Drilled sing to 1500 psi. Started
10-19-95 - Milling on	packer.		
I hereby certify that the information shows is tru	and complete to the best of my knowled		
SKONATURE TUST	lein	me Production (	
TYPE OR PRINT NAME RUSTY Klein	,		505-748-1471 TELEPI KONE NO.
(This space for Size Use)			
AMROVED BY		m.e	DATE

Submit 3 Copies to Appropriate District Office	State of New Me Ene., Minerals and Natural Re		
DISTRICT I P.O. Box 1980, Hobbs, NM 88240	OIL CONSERVATIO P.O. Box 208		WELL API NO.
DISTRICT II P.O. Drawer DD, Artesia, NM 88210	Santa Fe, New Mexico		<u>30-025-27250</u> 5. Indicate Type of Lease
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410			STATE      FEE     FEE     Gas Lesse No.
· · · · · · · · · · · · · · · · · · ·			V-3524
( DO NOT USE THIS FORM FOR PR DIFFERENT RESE (FORM C	ICES AND REPORTS ON WEL OPOSALS TO DRILL OR TO DEEPEN RVOIR. USE "APPLICATION FOR PEF 2-101) FOR SUCH PROPOSALS.)	OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name
1. Type of Well:	· ·	****	
WELL X WELL	OTTER		Berry APN State
2. Name of Operator YATES PETROLEUM CORPO	PATTON	• *	8. Well No.
3. Address of Operator		·	9. Pool name or Wildcat
	et - Artesia, NM 88210	······································	Berry Bone Springs, North
	0 Feet From The South	Line and660	Feet From The West Line
Section 5	<b>•</b> • • • • • • •	275	
Section 5	Township 21S Ray 10. Elevation (Show whether I	DF. RKB. RT. GR. etc.)	NMPM Lea County
	3731'	•.	
II. Check	Appropriate Box to Indicate N	Nature of Notice R	eport or Other Data
NOTICE OF IN			SEQUENT REPORT OF:
		REMEDIAL WORK	
	CHANGE PLANS	COMMENCE DRILLING	
PULL OR ALTER CASING		CASING TEST AND CE	
OTHER:		OTHER: <u>Re-entr</u>	<u>y</u> <u>X</u>
12. Describe Proposed or Completed Open work) SEE RULE 1103.	ations (Clearly state all persinent details, an	d give pertinent dates, inclu	ding estimated date of starting any proposed
with shoe & tubing. T packer down hole to 89 10-22-95 - TIH with ne with shoe, jars and dr with 2% KCL water. TO	packer. Packer turned 1 TH with 6" lead block. 59'. TOOH with lead block w shoe. Tagged packer a fill collars. TIH with b OOH. Shut down.	Tagged packer a ock. it 8959'. Pushe	down hole to 8882'. TOOH t 8882' with 2000#. Moved d packer to 11320'. TOOH to 10800'. Circulated hole
8873' to 2800 psi for 8783' to 2700 psi for	icker and 2-7/8" tubing. 10 minutes. Pulled up a	nd set packer a ubing and packe	8873'. Tested casing below t 8783'. Tested casing above r. Rigged up wireline. THH tools. Shut down.
		· · ·	
I hereby certify that the information above is to	and complete to the best of my knowledge and	belief.	
SIGNATURE Kustur	len m	Production (	
TYPE OR PRINT NAME RUSTY Klein	landari anti- landari anti-anti-anti-anti-anti-anti-anti-anti-		505-748-1471 TELEPIONE NO.
(This space for State Use)			· · · · · · · · · · · · · · · · · · ·
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Submit 3 Copies to Appropriate District Office	State of New Me Energ Ainerals and Natural Re		Form C-103 Revised 1-1-89
DISTRICT I P.O. Box 1980, Hobbs, NM 88240	OIL CONSERVATIO P.O. Box 208		WELL API NO.
DISTRICT II P.O. Drawer DD, Artesia, NM 88210	Santa Fe, New Mexico		30-025-27250 5. Indicate Type of Lease
DISTRICT III 1000 Rio Brazos Rd., Azzec, NM 87410			STATE X         FEE            6. State Oil & Gas Lesse No.
			<u>v-3524</u>
( DO NOT USE THIS FORM FOR PRO DIFFERENT RESEF (FORM C	ICES AND REPORTS ON WEL DPOSALS TO DRILL OR TO DEEPEN AVOIR. USE "APPLICATION FOR PEI -101) FOR SUCH PROPOSALS.)	OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name
I. Type of Well: OL. WELL X WELL	OTHER		Berry APN State
2. Name of Operator			8. Well No.
YATES PETROLEUM CORPOR	ATION		11
	et - Artesia, NM 88210		9. Pool name or Wildcat Berry Bone Springs, North
4. Well Location Unit Letter L . 1980	) Feet From The South	Line and 660	Feet From The West Line
Section 5	Towaship 21S Ri	inge 34E DF, RKB, RT, GR, etc.)	NMPM Lea County
X/////////////////////////////////////	3731		
II. Check NOTICE OF IN	Appropriate Box to Indicate TENTION TO:	•	eport, or Other Data
		REMEDIAL WORK	
	CHANGE PLANS		
	•	CASING TEST AND C	
• OTHER:		OTHER: Perforat	ce & acidize
work) SEE RULE 1103. 10-25-95 - Rigged up w .38" holes (4 SPF) as casing guns and rigged 10554'. Acidized perf sealers. Bled well do 10-26-95 - Swabbed. S 10-27-95 - Swabbed. U 10-28-95 - Rigged up w holes (1 SPF) as follo & 9578'. TOOH with ca Rigged up wireline. T with gamma ray and rig packer at 9535'. Acid ball sealers. Bled we Acidized perforations	rireline. TIH with 4" c follows: 10636-10641', down wireline. TIH wi orations 10636-10658' w wn. Swabbing. hut well in. nset packer. TOOH with ireline. TIH with 4" c ws: 9358, 63, 69, 74, sin guns and rigged dow TH with 1-11/16" gamma ged down wireline. Set ized perforations 9556- 11 down. Moved tools a 9488-9529' w/1000 gallo ration 9488-9578'. Swa x and complete to the best of my thowards a	asing guns and p 10648-10650' ar th packer and 2- ith 1500 gallons tubing and pack asing guns and p 78, 9488, 92, 96 n wireline. TH ray and correlat RBP at 9642' ar 9578' with 1000 nd set RBP at 95	perforated 9358-9578' w/15 .38" b, 9527, 29, 56, 62, 68, 75 w/RBP, packer and tubing. ed tools into place. TOOH - nd tested to 4000 psi. Set gallons 7-1/2% NEFE acid and b35' and packer at 9423'. neid and ball sealers. Bled well
(This space for State Use)			
ሊባክርVED BY	τ	me	DATE

Submit 3 Copies to Appropriate District Office	State of New Mex Energy, Minerals and Natural Res		Form C-103 Revised 1-1-89
DISTRICT 1 P.O. Box 1980, Hobbs, NM 88240	OIL CONSERVATIO P.O. Box 2088		WELL API NO. 30-025-27250
DISTRICT II P.O. Drawer DD, Artesia, NM 88210	Santa Fe, New Mexico 8	7504-2088	5. Indicate Type of Lease STATE X FEI
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410			6. State Oil & Gas Lease No.
( DO NOT USE THIS FORM FOR PR DIFFERENT RESE	FICES AND REPORTS ON WELL TOPOSALS TO DRILL OR TO DEEPEN ( RVOIR. USE "APPLICATION FOR PER C-101) FOR SUCH PROPOSALS )	OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name
I. Type of Well: OL. WELL X WELL			Berry APN State
2. Name of Operator YATES PETROLEUM CORPO	DRATION	<u></u>	8. Well No. 1
	eet - Artesia, NM 88210	<u></u>	9. Pool name or Wildcat Berry Bone Springs, North
4. Well Location	10 Feet From The South	Line and 660	Feet From The West
Unit Letter	· · · · · · · · · · · · · · · · · · ·	1106 \$80	rea rran ine
Section 5	Township 21S Ran 10. Elevation (Show whether 1 3731'	•.	NMPM Lea C
n. Check	Appropriate Box to Indicate N		leport, or Other Data
NOTICE OF IN	ITENTION TO:	SUE	SEQUENT REPORT OF:
		REMEDIAL WORK	ALTERING CASING
	CHANGE PLANȘ	COMMENCE DRILLIN	G OPNS. PLUG AND ABANDONM
PULL OR ALTER CASING			
		CASING TEST AND C	
OTHER:		OȚHER:_Perfora	te, acidize & frac
<ul> <li>12. Describe Proposed or Completed Oper work) SEE RULE 1103.</li> <li>10-31-95 - Swabbed. perforations 9358-937 and began swabbing.</li> <li>11-1-95 - Unset packe packer and 3-1/2" N-8</li> <li>11-2-95 - Frac'd perf link gel, 180000# 20- well in for 5-1/2 hou</li> <li>11-3-95 - Flowed well</li> <li>TIH with packer and R</li> <li>11-4-95 - Rigged up B</li> <li>problems with their e</li> <li>11-5-95 - Rigged up B</li> <li>crosslink gel, 200000</li> <li>5 hours. Flowing bac</li> </ul>	Pulled up with tools and 8' w/1000 gallons 7-1/2% r and RBP. TOOH with tub 0 tubing. Set packer at orations 10636-10658' (Bo 40 Ottawa sand and 66000% rs. Bled well down to pi down. Reverse circulate BP. Set RBP at 9768'. J Services. Attempted to equipment. Shut down. J Services. Frac'd perfo by 20-40 sand and 50000% A ck.	OTHER: <u>Perfora</u> d give periment dutes, incl straddled perform NEFE acid and oing, packer an 10196'. Shut one Springs) wit AC-frac black t. ed with 120 bbl o frac perforat orations 9358-9 AC-frac sand.	te, acidize & frac wing estimated data of starting any proposed orations 9358-9578'. Acidi: ball sealers. Bled well down d RBP. TIH with 10K Uni VI down. th 94000 gallons 35# cross- resin coated sand. Shut s 2% KCL. TOOH with packer ions 9358-9578'. BJ had 578' with 121,700 gallons 3 Force closed well. Shut in

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OKIGINAL 214		-nucop	
~10771	MY 1 5113	FRVISOR	

NUV 17 1995

Submit 3 Copies to Appropriate District Office	State of New Mexico	Form C-103 Revised 1-1-89
DISTRICT I P.O. Box 1980, Hobbs, NM 88240	OIL CONSERVATION DIVISION	WELL API NO.
	P.O. Box 2088	30-025-27250
DISTRICT II P.O. Drawer DD, Artesia, NM 58210	Santa Fe, New Mexico 87504-2088	5. Indicate Type of Lease STATE T FEE
DISTRICT III		6. State Oil & Gas Lease No.
1000 Rio Brazos Rd., Aztec, NM 87410		6. State Cit & Cat Lease No. V-3524
SUNDRY NO	FICES AND REPORTS ON WELLS	
( DO NOT USE THIS FORM FOR PE DIFFERENT RESE	AOPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A ERVOIR. USE "APPLICATION FOR PERMIT" C-101) FOR SUCH PROPOSALS )	7. Lease Name or Unit Agreement Name
1. Type of Well:		-
WELL X WELL		Berry APN State
2. Name of Operator		8. Well No.
YATES PETROLEUM CORPO	DRATION	1
3. Address of Operator		9. Pool name or Wildcat
4. Well Location	eet - Artesia, NM 88210	Berry Bone Springs, North
	BO Feet From The South Line and 660	) Feet From The West 1
Sector 5	Township 21S Range 34E	NMPM Lea Count
Section 5	10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3731 GR	
PERFORM REMEDIAL WORK	PLUG AND ABANDON . REMEDIAL WORK CHANGE PLANS . COMMENCE DRILLIN CASING TEST AND C OTHER: Perform	
	erations (Clearly state all persinent details, and give pertinent dates, inc	inding estimated date of starting any proposed
wtih 3-1/2" tubing. RBP. Pulled RBP 10 s 11-7-95 - TOH with tu 9038-9186' w/15 .42" 80, 82, 84 & 9186'. high winds. 11-8-95 - TIH with RI Straddled perforation sealers. With 18 bb up and straddled perforation 9038-9073'. Straddled	o flow well down. Unset packer. Revers TIH with 2-7/8" tubing and retrieving h stands above perforations. Shut down for ubing, packer and RBP. TIH with 4" casi holes as follows: 9038, 42, 44, 47, 71 TOOH with casing guns and rigged down w 3P, packer and 2-7/8" tubing. Set RBP a ns 9144-9186'. Acidized with 1000 gallo Ls of acid in formation, communicated wi forations 9038-9073'. Pumped 6 bbls 7-1 ed perforations 9038-9186' and acidized ealers. Bled well down and began swabble	nead. Washed sand and unset or night. ing guns and perforated 1, 73, 9144, 48, 64, 67, 71, wireline. Shut down due to at 9274' and tested to 3000 psi ons 7-1/2% NEFE acid and ball ith upper perforations. Pulled 1/2% NEFE acid into perforation with 1000 gallons 7-1/2%
	sue and pomplete to the best of my knowledge and belief.	
K. FG	Production	Clerk DATE 11-14-95
SIGNATURE CA LANGE IN STYLE		505-748-1471 TELEPIONE NO.

(This space for State Use)

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DATE ......

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to Appropriate District Office	State of New Mexico E. Jy, Minerals and Natural Resources Departme	Form C-103 Revised 1-1-89
DISTRICT 1 P.O. Box 1980, Habbs, NM 88240	OIL CONSERVATION DIVISION P.O. Box 2088	WELL API NO.
DISTRICT II P.O. Drawer DD, Artesia, NM 88210	Santa Fe, New Mexico 87504-2088	<u>30-025-27250</u> 5. Indicate Type of Lease
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410		STATE E
( Do not use this form for pro Different rese (form c	ICES AND REPORTS ON WELLS OPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A RVOIR. USE "APPLICATION FOR PERMIT" 5-101) FOR SUCH PROPOSALS )	7. Lease Name or Unit Agreement Name
I. Type of Well: Of., WELL X WELL	OTHER	Berry APN State
2. Name of Operator YATES PETROLEUM CORPORT		8. Well No.
3. Address of Operator	et - Artesia, NM 88210	9. Pool name or Wildcat Berry Bone Springs, North
4. Well Location	0_ Feet From The South Line and 66	
Section 5	Township 21S Range 34E	
	10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3731' GR	NMPM Lea c
n. Check NOTICE OF IN	Appropriate Box to Indicate Nature of Notice, TENTION TO: SU	Report, or Other Data BSEQUENT REPORT OF:
	PLUG AND ABANDON	ALTERING CASING
	CHANGE PLANS	NG OPNS. 🔲 PLUG AND ABANDONM
PULL OR ALTER CASING		
		· · · · · · · · · · · · · · · · · · ·
OTHER:	OTHER: <u>Perfora</u>	te, acidize & frac
OTHER:		te, acidize & frac
OTHER: 12. Describe Proposed or Completed Opera- work) SEE RULE 1103. 11-9-95 - TOOH with 2- tubing. Set RBP at 92 Shut down. 11-10-95 - Frac'd pera- link gel, 180000# 20-4	OTHER: <u>Perfora</u>	te, acidize & frac Juding estimated date of starting any proposed h RBP, packer and 3-1/2" p and set packer at 8950'. th 90000 gallons 35# cross- coated sand. Force closed
OTHER: 12. Describe Proposed or Completed Opera- work) SEE RULE 1103. 11-9-95 - TOOH with 2- tubing. Set RBP at 92 Shut down. 11-10-95 - Frac'd pera- link gel, 180000# 20-4 well for 20 minutes.	OTHER: <u>Perform</u> OTHER: <u>Perform</u> Micros (Clearly state all perfinent details, and give perfinent dates, inc -7/8" tubing, packer and RBP. TIH wit 280' and tested to 4000 psi. Pulled u forations 9038-9186' (Bone Springs) wi 40 Ottawa sand and 66000# 20-40 resin	te, acidize & frac Juding estimated date of starting any proposed h RBP, packer and 3-1/2" p and set packer at 8950'. th 90000 gallons 35# cross- coated sand. Force closed
OTHER: 12. Describe Proposed or Completed Opera- work) SEE RULE 1103. 11-9-95 - TOOH with 2- tubing. Set RBP at 92 Shut down. 11-10-95 - Frac'd pera- link gel, 180000# 20-4 well for 20 minutes.	OTHER: <u>Perform</u> OTHER: <u>Perform</u> Micros (Clearly state all perfinent details, and give perfinent dates, inc -7/8" tubing, packer and RBP. TIH wit 280' and tested to 4000 psi. Pulled u forations 9038-9186' (Bone Springs) wi 40 Ottawa sand and 66000# 20-40 resin	te, acidize & frac Juding estimated date of starting any proposed h RBP, packer and 3-1/2" p and set packer at 8950'. th 90000 gallons 35# cross- coated sand. Force closed
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OTHER: 12 Describe Proposed or Completed Opera- work) SEE RULE 1103. 11-9-95 - TOOH with 2- tubing. Set RBP at 92 Shut down. 11-10-95 - Frac'd pera- link gel, 180000# 20-4 well for 20 minutes. back frac fluid.	OTHER: <u>Perform</u> OTHER: <u>Perform</u> Micros (Clearly state all perfinent details, and give perfinent dates, inc -7/8" tubing, packer and RBP. TIH wit 280' and tested to 4000 psi. Pulled u forations 9038-9186' (Bone Springs) wi 40 Ottawa sand and 66000# 20-40 resin	te, acidize & frac Juding estimated date of starting any proposed h RBP, packer and 3-1/2" p and set packer at 8950'. th 90000 gallons 35# cross- coated sand. Force closed
OTHER: 12 Describe Proposed or Completed Opera- work) SEE RULE 1103. 11-9-95 - TOOH with 2- tubing. Set RBP at 92 Shut down. 11-10-95 - Frac'd pera- link gel, 180000# 20-4 well for 20 minutes. back frac fluid.	OTHER: <u>Perforn</u> Micros (Clearly state all perfinent details, and give perfinent dates, inc -7/8" tubing, packer and RBP. TIH wit 280' and tested to 4000 psi. Pulled u forations 9038-9186' (Bone Springs) wi 40 Ottawa sand and 66000# 20-40 resin Shut in for 12 hours. Opened well at	te, acidize & frac Juding estimated date of starting any proposed h RBP, packer and 3-1/2" p and set packer at 8950'. th 90000 gallons 35# cross- coated sand. Force closed 1:00 AM and began flowing Clerk
OTHER: 12. Describe Proposed or Completed Opera work) SEE RULE 1103. 11-9-95 - TOOH with 2- tubing. Set RBP at 92 Shut down. 11-10-95 - Frac'd pera link gel, 180000# 20-4 well for 20 minutes. back frac fluid.	OTHER: Perform Micons (Clearly state all perfinent details, and give perfinent dates, inc -7/8" tubing, packer and RBP. TIH wit 280' and tested to 4000 psi. Pulled u forations 9038-9186' (Bone Springs) wi 40 Ottawa sand and 66000# 20-40 resin Shut in for 12 hours. Opened well at we and complete to the best of my knowledge and belief. MLM Production	te, acidize & frac Juding estimated date of starting any proposed h RBP, packer and 3-1/2" p and set packer at 8950'. th 90000 gallons 35# cross- coated sand. Force closed 1:00 AM and began flowing
OTHER: 12. Describe Proposed or Completed Opera work) SEE RULE 1103. 11-9-95 - TOOH with 2- tubing. Set RBP at 92 Shut down. 11-10-95 - Frac'd pera link gel, 180000# 20-4 well for 20 minutes. back frac fluid. I hereby certify that the information above is the SIONATURE	OTHER: Perform Micons (Clearly state all perfinent details, and give perfinent dates, inc -7/8" tubing, packer and RBP. TIH wit 280' and tested to 4000 psi. Pulled u forations 9038-9186' (Bone Springs) wi 40 Ottawa sand and 66000# 20-40 resin Shut in for 12 hours. Opened well at we and complete to the best of my knowledge and belief. MLM Production	<u>te, acidize &amp; frac</u> Juding estimated date of starting any proposed h RBP, packer and 3-1/2" p and set packer at 8950'. th 90000 gallons 35# cross- coated sand. Force closed 1:00 AM and began flowing <u>Clerk</u> <u>DATE 11-14-95</u> 505-748-1471

			,
Submit 3 Copies to Appropriate District Office		ew Mexico ural Resources Departm	Form C-103 Revised 1-1-89
DISTRICT I P.O. Dox 1980, Hobbs, NM 88240		TION DIVISION	WELL API NO.
DISTRICT II P.O. Drawer DD, Anesia, NM 88210		ox 2088 exico 87504-2088	30-025-27250
DISTRICT III			5. Indicate Type of Lease STATE STATE
1000 Rio Brazos Rd., Aztec, NM 87410			6. State Oil & Gas Lease No. V-3524
SUNDRY NO	TICES AND REPORTS ON	WELLS	
(FORM	ROPOSALS TO DRILL OR TO DI ERVOIR. USE "APPLICATION F C-101) FOR SUCH PROPOSALS	DR PERMIT	7. Lesse Name or Unit Agreement Name
1. Type of Well:	 י		
WELL X WELL		······	Berry APN State
VYATES PETROLEUM CORPO	DRATION		8. Well No.
3. Address of Operator 105 South Fourth Stre	at - Antonio Mil Ol		9. Pool name or Wildcat
4. Well Location	et - Artebia, NM 80	3210	Berry Bone Springe, North
Unit Louer; 191	30 Feet From The Sout	1 Line and660	Feel From The West
		Range 34E whether DF, RKB, RT, GR, etc.) 3731' GR icate Nature of Notice, R	-
			SEQUENT REPORT OF
	PLUG AND ABANDON		
TEMPORARILY ABANDON	CHANGE PLANS	CASING TEST AND C	
OTHER:			ce, acidize & frac
work) SEE RULE 1103. 11-11-95 - Continue 11-12-95 - Well bled water. TOOH with 3- 11-13-95 - TIH with 76' of sand out of h down. 11-14-95 - TIH with RBP, packer and 3-1/ set packer at 8748'. with 1500 gallons 7- 11-15-16-95 - Shut d 11-17-95 - Frac'd pe	flowing back frac fl down. Unset packer 1/2" tubing and pack retrieving head and ole to RBP at 9280'. 4" casing guns and p 2" tubing. Set RBP NOTE: Existing pe 1/2% NEFE acid and b own. Prep to frac. rforations 8829-8860 d 66000# 20-40 resin	uid. at 8950' and revers er. 2-7/8" tubing. Tagg Unset RBP and TOOH erforated 8850-8860' at 8945' and tested rfs 8829-8859'. Act all sealers. Bled w ' with 103000 gallor coated sand. Force	uling estimated date of starting any proposed sed hole with 120 bbls 2% KCL ged sand at 9204'. Reversed I with tubing and RBP. Shut ' w/44 .42" holes. TIH with to 3000 psi. Pulled up and idized perforations 8829-8860' well down and began swabbing. ns 35# crosslink gel, 180000# e closed well. Shut in 7 hour
I hereby certify that the information above in	ne and complete to the best of my know	laige and belief.	
SIGNATURE Kusty	lun	mr Production (	
TYPE OR PRINT NAME RUST Y Klet	n		505-748-1471 TELEMIQNE NO.
(This space for State Us ORIGINAL SIG DISTRIC	NED BY JERRY SEXTON		NOV 2 8 199
(19)OVTD BY		ח ודייי	DATE

Submit 3 Copies to Appropriate District Office	State of New Mexico E. gy, Minerals and Natural Resources Departm.	Form C-103 Revised 1-1-89
DISTRICT I P.O. Box 1980, Hobbs, NM 88210	OIL CONSERVATION DIVISION	WELL API NO.
DISTRICT II	P.O. Box 2088 Santa Fe, New Mexico 87504-2088	30-025-27250
P.O. Drawer DD, Artesia, NM 88210		5. Indicate Type of Lesse STATE FEE
DISTRICT III 1000 Rio Brazos Rd., Amer, NM 87410		6. State Oil & Gas Lesse No.
		V-3524
( DO NOT USE THIS FORM FOR PRO DIFFERENT RESEN (FORM C	ICES AND REPORTS ON WELLS DPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A RVOIR. USE "APPLICATION FOR PERMIT" - 101) FOR SUCH PROPOSALS )	7. Lease Name or Unit Agreement Name
1. Type of Well: Of WELL X WELL	· · ·	
2. Name of Operator	OTHER	Berry APN State  I. Well No.
YATES PETROLEUM CORPO	RATION	1
3. Address of Operator 105 South Pourth Stree	et - Artesia, NM 88210	9. Pool name or Wildcat Berry Bone Springs, North
4. Well Location		berty some springs, north
Unit Letter : 198	0 Feet From The South Line and 660	Feet From The West Une
Section 5 II. Check NOTICE OF IN PERFORM REMEDIAL WORK	10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3731' GR Appropriate Box to Indicate Nature of Notice, R	NMPM Lea County eport, or Other Data DSEQUENT REPORT OF:
, m		
		<b>C</b> .
PULL OR ALTER CASING		-
OTHER:	OTHER:Perform	te, acidize & frac
work) SEE RULE 1103. 11-18-95 - Continue f KCL water. TOOH and 11-19-95 - TIH with 2 RBP at 8945'.	allons (Clearly state all pertinent details, and give pertinent dates, inch lowing back frac fluid. Unset packer a laid down 3 1/2" tubing and packer. -7/8" tubing. Reversed 152' of sand of 2-7/8" tubing and packer. Released wel	and reversed casing with 2%
I hereby certify that the information above in tr	and complete to the best of my knowledge and belief.	
SIGNATURE A Haly	me_Production	
TYPE OR PRINT NAME RUBLY Klein		505-748-1471 TELEPIONE NO.
(This space for State Use)		
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## YATES PETROLEUM CORPORATION CHRONOLOGICAL DRILLING REPORT Berry "APN" State #1 Unit T 5-21S-34E

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## Lea County, New Mexico

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## 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
10-5-95	Bone Spring intervals.
10-6-95	Started dirt work. Moving in service unit on Sunday.
	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
	piug. DC \$5715; CC \$7725
10-12-95	Picked up 6-1/8" bit, 1 drill collar and power swivel TIH and tag cament plug of
	7. Started drilling on plug. Drilled down to 30' and TOH with bit. TH with blade
	bit to 30° and continued drilling cement plug. Drilled out of cement at 152' At
	report time - 1 H 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 10H 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' TH and
	lag sig plug at 3476'. Started drilling on 3rd plug. At report time drilling compare at
40.44.05	3307. Continued aniling, DC \$7033; CC \$21 791
10-14-95	Continued drilling cement. Drilled out of cement plug at 3729'. Drop down and
	lay pluy #4 at 5560°. Clifc casing clean and start drilling on plug #4 at 5560°. Daily
	out of cement at 5754'. Drop down and tag plug #5 at 8483'. Circ casing aloon
	and start drilling on plug #5 at 8483'. At report time: 8 AM 10-14-95 drilling
10-15-95	cement at 6676'. DC \$5978; CC \$27,769
10-13-93	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 +8/34'. 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
40.00.05	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.
10-21-95	DC \$6688; CC \$55,417
10-21-33	Continued milling on packer. Milled up metal cuttings and rubber. Made +/-4".
10-22-95	Continued milling on packer. DC \$5688; CC \$61,105 Mill on packer.
10-23-95	
8-24-95	Push packer to bottom. Circulated with 2% KCL. Shut down.
	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 8782'. Tested and
	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. Th 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 cals and balls

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CDR - RE-ENTRY
 Page 2:
 Yates Petroleum - Berry "APN" State #1 (Unit T) 5-21S-34E Lea
 Co.. NM
               ******
 ******
                      Rigged up wireline. TIH with 4" casing guns. Correlated guns into place and
 10-25-95
                      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:
                                      #SR OIL WATER
                      TIME
                              FL
                      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
                                         5%
                                      1
                                               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
                                   1.120 @ 74
                     Sp. Gravity
                                                    1.110 @ 74
                     Resistivity
                                  0.055 @ 75
                                                   0.055 @ 75
                     Hα
                                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
                     lodine
                                 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.
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CDR - RE-ENTRY Page 3: Yates Petroleum - Berry "APN" State #1 (Unit T) 5-21S-34E Lea Co., NM \*\*\*\*\*\*\* \*\*\*\*\*\* 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

1

1

1

1

10%

6 AM 8800' 1 10% 1 7 AM 8800' 30% 1 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

•	• –			G 0.070 (L
			(approx)	
pН	1.90	Iron	3500	
Sulfate	333	Calci	ium 4	0.930
Tot Hard	ness 136	6,971	Magnesi	um 8424
Bicarbon	ate ND	Ch	loride	124,416
CALC	204,6			17,946
Tot Diss	Sol 279		PI Gravi	
OITD 400				., 10.0

2 AM

3 AM

4 AM

5 AM

8800'

8800'

8800'

8800'

1

1

1

1

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

	1 64	TOIL			
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 re-		00.11			

11-1-95

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

pН 2.67 Iron 3560

Sulfate 24 Calcium 7484

Tot Hardness 63,590 Magnesium 10,901

Bicarbonate ND Chloride 67,275

CDR - RE-ENT Page 4:	'RY
	eum - Berry "APN" State #1 (Unit T) 5-21S-34E Lea
	*******************
* * * * * * *	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 get 180,000#
	20/40 Ottawa sand and 66,000# AC frac black resin coated sand Avg 40 RPM
	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
	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
14.0.05	Flowing to pit. No sand.
11-3-95	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 TH with
11-4-95	different RBP. Prep to test RBP and frac BS-2. Rig up BJ. Attempted to frac perfs 9358-9578'. Had problems with encountered
	ger unit getting ger 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
11-5-95	Rig up BJ. Frac'd perfs 9358-9578' with 121,700 gals 35# S/L get 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
	nign. 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
	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
11-6-95	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
44 7 05	night. Prep to continue POH and perf BS-3. DC \$3514
11-7-95	TOH with 2-7/8" tubing, packer and RBP. TIH with 4" casing guns. Perforated Bone Spring 1 SPF with 1542" holes as follows: 9038', 42', 44', 47', 71', 73',
	9144', 48', 64', 67', 71', 80', 82', 84', 86'. TOH with casing oun and rig down
	wireline. Shut down due to high winds. Prep to TIH with RBP packer and 2-7/8"
11-8-95	tubing and acidize new perfs. DC \$3247; CC \$41,022 TIH with RBP, packer and 2-7/8" tubing. Set RBP at 9274' and tested to 3000 psi.
	Straddled perts 9144-86' and acidized with 1000 dals $7-1/2\%$ NFFF 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

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CDR - RE-ENTRY Page 5: Yates Petroleum - Berry "APN" State #1 (Unit T) 5-21S-34E Lea Co., NM \*\*\*\*\*\* \*\*\*\*\*\* 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' 5% 2 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 20% 2 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 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 11-9-95 down. Prep to frac BS-3 perfs 9038-9186'. DC \$4081; CC \$53,045 Frac'd BS perfs 9038-9186' with 90,000 gals 35# crosslink gel, 180,000# 20/40 11-10-95 Ottowa 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 Well bled down to 0 psi on 3/4" choke at 9:30 AM. Unset packer at 8950' and 11-12-95 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 TIH with 4" casing guns. Correlated into place and perforated Avalon BS-4 4SPF 11-14-95 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 Ottowa 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 Th 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