BUREAU OF LAND MANAGEMENT CARLSBAD RESOURCE AREA

Disposal of Produced Water From Federal Wells

Conditions of Approval

Approval of the produced water disposal methodology is subject to the following conditions of approval:

- 1. This agency be notified of any change in your method or location of disposal.
- 2. Compliance with all provisions of NTL-2B.
- 3. This agency shall be notified of any spill or discharge as required by NTL-3A.
- 4. This agency reserves the right to modify or rescind approval whenever it determines continued use of the approved method may adversely affect the surface or subsurface environments.
- All aboveground structures on the lease shall be painted sandstone brown, Federal Std. 595-20318, or 30318, within 90 days if you have not already done so.
- Any on lease open top storage tanks or pits shall be covered with a wire screen or plastic/nylon netting to prevent entry by birds and other wildlife.
- 7. This approval does not constitute right-of-way approval for any off lease activities. If water is transported via a pipeline that extends beyond the lease boundary, then you need to submit within 30 days an application for right-of-way approval to the Realty Section in this office if you have not already done so.

	ΥEW
	M
G	
AS -	0
GAS-OIL RATIO TESTS	NEW MEXICO OIL CONSERVATION COMMISSION
ZZ A	NSET
5	RVA.
TES	TIOF
Ч С	00
	MM
	SSIC
	ž

C-116 Revenue 1-1-65

 No well will be assigned an allowable greater than the amount of oil produced on the official test. During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order the Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° will be 0.60. Report cosing pressure in lieu of tubing pressure for any well producing through cusing. Mull original and one copy of this report to the district office of the New Mexico Oil Conservation Commit A01 and appropriate pool rules. 	0+1-NMOCC 1-File 1-RWA	Baumgartner Fed Com	L E ASE Z AME	P.O. Drawer A, Levelland, T	Amoco Production Company
in allowable greater than the amount of oil p each well shall be produced at a rate no Operator is encouraged to take advantage zed by the Commission. rited in MCF measured at a pressure base of lieu of tubing pressure for any well producin lieu of tubing pressure for any well producin s.		1	₩ Е Ц Г 2 0.	Texas 7	
ter than be proc owaged Ission, issured a sured a ssure fo		F	с	79336	
the am luced a lo take t a pres r any w histrict		26	s LOC		l resol C
ount of s t a rate t advant sure ba sell prod office o		21	S T		ः Carlsbad
oit produ nut exe age of to se of t5 se of t5 to the Ne f the Ne	30 Day	27	ж Т		
roduced on the official test. (exceeding the top unit allowable for the pool in which well is of this 25 percent tolerance in order that well can be assigned if 15,025 psia and a temperature of 60° F. Specific gravity base ig through casing. g through casing e New Mexico Oil Conservation Commission in accordance with	y Test After	5-20-78	DATE OF TEST		Morrow East
il test. hit allow lernnee i emperatu		p 10	STATUS 0	TEST -	
able for o order re of 60	Comp le	10/64"	SIZE P	- 0 F (X)	
the pool that well ° F. Spe- ission it	i. on	1900	TBG.	S CL	-
ble for the pool in which well is order that well can be assigned to a 60° F. Specific gravity base Commission in accordance with		I	DAILY ALLOW- ABLE	Scheduled	
II Is ened base with	=	24	HOURS		4.ea.
ther is true ledge : ledge : Admin		0	WATER BBLS.	Comp	1.1
I hereby certify is true and comple ledge and belief. Administrative June 16, 1978		I	GRAV		
vanplete lief. 1978		0	BBLS:		
hat the abov e to the best Similario Analyst (Tate)		347	GAS MICIFI		
I hereby certify that the above information is true and complete to the best of my know- ledge and belief. Administrative Analyst June 16, 1978 (Title)		ţ,	GAS - OIL RATIO CU.FT. 93L		

(Date)

In 1960 INTED STATES DEBART MENT OF THE INTERIOR DEBART MENT OF THE INTERIOR SUMPLY AND TO FALL OF LAND MANAGEMENT SUNDEY NOTICES AND REPORTS ON WELLS SUNDEY NOTICES AND REPORTS ON WELLS Do not use, inis tom for proposals to affil or to deepen or mentry to a different reservoir. If I have, Aurors of the Note of proposals Do not use, inis tom for proposals to affil or to deepen or mentry to a different reservoir. The of Well Submit in training of the note of proposals Do not use, inis tom for proposals to affil or to deepen or mentry to a different reservoir. The of Well Submit in training of the note of proposals The of Well Submit in training of the note of the not not of the note of			CLS	
Use "APPLICATION FOR PERMIT—" for such proposals SUBMIT IN TRIPLICATE Type of Well New Colspan="2">If the or CA. Agreement Designation New Colspan="2">New Colspan="2"New Colspan="2"New Colspan="2"New Colspan="2"New Cols	Ine 1990)	T OF THE INTERIOR .AND MANAGEMENT	Budget Bureau No. 1004-0135 Expires: March 31, 1993 5. Lease Designation and Serial No. NM -0553785	
SUBMIT IN TRIPLICATE Type of Well Overlaw Build State Build State Build State Production Company 1/ And well No. Display Colspan="2">Build State France Field Cas Common Production Company 1/ Producing Colspany 1/ <td cols<="" td=""><td>Do not use this form for proposals to dri Use "APPLICATION FOF</td><td>II or to deepen or reentry to a different reservoir. PERMIT—" for such proposals</td><td></td></td>	<td>Do not use this form for proposals to dri Use "APPLICATION FOF</td> <td>II or to deepen or reentry to a different reservoir. PERMIT—" for such proposals</td> <td></td>	Do not use this form for proposals to dri Use "APPLICATION FOF	II or to deepen or reentry to a different reservoir. PERMIT—" for such proposals	
Image of protector Image of protector Image of protector Image of protector Image of protector Production Company (1) The state is an information of the state of th	SUBMIT	IN TRIPLICATE	7. If Unit or CA, Agreement Designation	
Nome of Production Company 1/ 713-5314-7213 Burning and the production Company 1/ P. O. Chox 3092 Houston TK 77253 P. 10			8. Well Name and No.	
And Technology No 30-015-22337 P.O. POX 3092 Houston / L. 77253 30-015-22337 P. O. POX 3092 Houston / L. 77253 Bm. 17.184 10 Feature Move and Pois e Exploring Acception 1980/FSLX 660/FWL - UNITL Sec. 26, 7-21-5, R-27-E Eddy, NM CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Ø Notice of Inter Anandomment Ø Notice of Inter Recomption Ø Notice of Inter Anandomment Ø Notice of Inter Recomption Ø Notice of Inter Notice of Inter Ø Notice of Inter Anandomment Noce Ø Notice of Inter Notice of Inter Ø Notice of Inter Anandomment Noce Ø Notice of Inter Anandomment of the week of the office office of the office of the office office of the office office of the office of the office o		and the	9. API WW No.	
Internet of Wall From the internet of the inter	Address and Telephone No	713-584-1213	30-015-22359	
Sec. 26, T-21-5, R-27-E Eddy, NM CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA "YPE OF SUBMISSION Subsequent Report Subsequent Report Final Abandonner Observe of Interne Recompletion Observe of Interne Subsequent Report Final Abandonner Observe Proposed of Completed Operations (Clearly state all perturber details, and give perturber does perturber to other work?" Americe Subsequent Report Describe Proposed of Completed Operations (Clearly state all perturber details, and give perturber does perturber p	Location of Well (Footage, Sec., T., R., M., or Survey De	scription)		
CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF SUBMISSION Non-Robinst Charge of Plane Subsequent Report Final Abandonment Nonce Subsequent Report Charge Repair Subsequent Report Final Abandonment Nonce Subsequent Report Subsequent Report Sub	·		Eddy, NM	
 A Nonce of Intern Nonce of Intern Subsequent Report Final Abandonment Noise Change of Plans Non-Rodute Fracturag Beck Non-Rodute Fracturag Completed Operations (Clearly state all pertinent details and give pertinent dates, including estimated and use state of the state of th	CHECK APPROPRIATE BOX	s) TO INDICATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA	
□ Subsequent Report □ Recompletion □ Non-Routine Fracturing □ Final Abandonment Notice □ Dispose during □ Dispose during □ Conversion to Injection 3 Describe Proposed or Completed Operations (Clearly state all perturent details, and give perturent dates. Including estimated date of starting and measured and the vertical depths for all markers and zone perturent to this work.)* □ Dispose Water □ Conversion to Injection 3 Describe Proposed or Completed Operations (Clearly state all perturent details, and give perturent dates. Including estimated date of starting and measured and the vertical depths for all markers and zones perturent to this work.)* □ Dispose Water □ Conversion to Injection 3 Describe Proposed or Completed Operations (Clearly state all perturent details, and give perturent dates. Including estimated date of starting and measured and the vertical depths for all markers and zones perturent to this work.)* □ Dispose Water □ Conversion to Injection 3 Describe Proposed or Completed Operations (Clearly state all perturent details, and give perturent dates. Including estimated date of starting and induced perturbed date. □ Dispose Market Developed work. If well is disecconducty of the disecconducty of the disecconducty of the disecconducty of the disecconducty. 4 Information on the site : □ For mattion Producting Ulater Trady sport : Trucked by Roland Trucking 5) Disposal Notime : Springs Unit Healt Notice □ OROER Stude_Stude_Stude_Stude_Stude_Stude_Stude_Stude_Stude_Stude_Stude_Stude_Stude_Stude_Stude_Stude_Stude_Stu				
□ Final Abandonment Notice □ Final Abandonment Notice □ Altering Casing □ Conversion to Injection 3. Describe Proposed on Completed Operations (Clearly state all pertinent details, and give pertinent date, including estimated date of starting any proposed work. If well is dimeterioanally drilled, completion on well completion on Automatical deptilies on pertinent to this work.)* 3. Describe Proposed on Completed Operations (Clearly state all pertinent details, and give pertinent date, including estimated date of starting any proposed work. If well is dimeterioanally drilled, completion on Automatical deptilies on a difference of automatical date of starting any proposed work. If well is dimeterioanally drilled, it well is dimeterioanally drilled. 3. Describe Proposed on Completed And true vertical deptilies of all markers and zones pertinent to this work.)* Amound here by requests @proval to add an additional disposed work if well is dimeterioanally drilled. Amound here by requests @proval to add an additional disposed work if well is dimeterioanally drilled. If well is dimeterioanally drilled. for matteen on the site : I) Formation on the site : Morrow 2) Auerage Barrels of Watter Per day : 2 3) Well ter Storage : One 250 bbl. tank 4) Method of Water Trainsport : Trucked by Roland Trucking 5) Disposal Name : 5) Disposal Name : Springs Unit Well No.2 (ORDER SwD-86) sec. 27, 7-20-5, R-26-6, UNIT E Idad y County, New Mexico		Recompletion Plugging Back	New Construction	
Every subsurface locations and measured and true vertical depths for all markers and some periment to this work?" Atmoch hereby requests approval to add an additional disposal site for subject property. Shown below is detailed in formation on the site: i) Formation Producing Water: Morrow 2) Average Barrels of Water Perday: 2 3) Water Storage: One 250 bbl. tank 4) Method of Water Tracksport: Trucked by Roland Trucking 5) Disposal Name: Springs Unit Well No.2 (ORDER SWD-86) Sec. 27, 7-20-5, R-26-E, UNIT I 1650: FSLX 750: FWL Eddy County, New Mexico 14 Thereby certify that be foregoing a true and correct signed A.J. Show (H.I. BLANC) The Stf. Business Analyst Date 3-2-93 (This space for Federal or Suse office use) The True Date 3/24/93	Final Abandonment Notice	Altering Casing	Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well	
Amoco hereby requests approval to add an additional disposal site for subject property. Shown below is detailed in formation on the site: i) Formation Producing Water: Morrow 2) Average Barrels of Water Perday: 2 3) Water Storage: One 250 bbl. tank 4) Method of Water Transport: Trucked by Roland Trucking 5) Disposal Name: Springs Unit Well No.2 (ORDER SWD-86) Sec. 27 T-20-5 R-26-E, UNIT I 1650: FSL X 750: FWL Eddy County, New Mexico 14 Thereby certifythat be foregoing as the and correct signed <u>H. J. Sluw (H.J. Bluechide Stf. Business Analyst</u> Die <u>3-2-93</u> (This space for Federal or State office use) Disposal Mater <u>Trucked Stf. Business Analyst</u> Die <u>3-2-93</u>	and the vertices and measured and true vertic	a depths for all markers and zones pertinent to this work.)	•	
1) Formation Producing Water: Morrow 2) Average Barrels of Water Perday: 2 3) Wlater Storage: One 250 bbl. tank 4) Method of Water Transport: Trucked by Roland Trucking 5) Disposal Name: Springs Unit Well No.2 (ORDER SWD-86) Sec. 27, T-20-5, R-26-E, UNIT I 1650: FSL X 750: FWL Eddy County, New Mexico 14 I hereby certify that the foregoing is the and correct Signed H. J. Slum (H.I. Bluck) Title Stf. Business Analyst Date 3-2-93 (This space for Federal or State office use) Approved by Control of State office use Approved by Control of State office use	Amoco hereby reque disposal site for	ests approval to add an subject property. Shown	additional below is detailed	
2) Average Barrels of Water Perday. 2 3) Water Storage: One 250 bbl. tank 4) Method of Water Transport: Trucked by Roland Trucking 5) Disposal Name: Springs Unit Well No.2 (ORDER SWD-86) Ses. 27, 7-20-5, R-26-E, UNIT I 1650 FSL X 750 FWL Eddy County, New Mexico 14 I hereby certify that the foregoing is true and correct Signed A.J. Bluen (H.I. BLAUC) Title Stf. Business Analyst Conditioned by Control of State office use) Oral Signed by Control of State office use Title True Date 3/24/93	information on the	ina Water: Morrow		
3) Whater Storage: One 200 Dri. Honne 4) Method of Water Transport: Trucked by Roland Trucking 5) Disposal Name: Springs Unit Well No.2 (ORDER SWD-86) Sec. 27, T-20-5, R-26-E, UNIT I 1650: FSL X 750: FWL Eddy County, New Mexico 14 I hereby certify that the foregoing is true and correct Signed - J. J. Sterior by Aratheness Analyst Date 3-2-93 (This space for Foderal or State office use) Ora: Sterior by Aratheness Title Drive Methods Approved by Conditions of approval. if any: Date 3/24/93	a) Augura Barre	Is of Water perudy.		
4) Method of Water Transport, Trucked By Kuland The S 5) DISPOSAL Name: Springs Unit Well No.2 (ORDER SWD-86) Sec. 27, T-20-5, R-26-E, UNIT I 1650: FSL X 750: FWL Eddy County, New Mexico 14 I hereby certify that the foregoing is true and correct Signed A.J. Bluen (H.I. BLAC) Title Stf. Business Analyst One 3-2-93 (This space for Federal or State office use) One Signed A A fait for and Approved by Conditions of approval. if any: Title	a) Mator Storag	e: une zau bui, laine		
5) DISPOSE Name: Springs Unit Well No. L (UNDER ONE DU) Sec. 27, T-20-5, R-26-E, UNIT I 1650: FSL X 750: FWL Eddy County, New Mexico It i hereby certify that the foregoing is true and correct Signed <u>H. J. Bluen (H.I. BLAUC) Title Stf. Business Analyst</u> Date <u>3-2-93</u> (This space for Federal or State office use) Orig. Stepper by A fait for and Approved by Conditions of approval, if any: Date <u>3/24/93</u>	i) Malfal of 1/12	ter / 12h sport , / FUCKEd B	y Roland Trucking	
Signed <u>H. J. Bluen (H.I. BLAUC) Title Stf. Business Minalyst</u> Date <u>3-2-95</u> (This space for Federal or State office use) <u>Orige Stengen by Arbitration and the Stf. Business Minalyst</u> Date <u>3/24/93</u> Conditions of approval, if any:	5) Disposal Name	Sec. 27, T-20-5, R-26-E, UNI	TI.	
(This space for Federal or State office use) Orig. Signam by A fair from the Affice use. Approved by Conditions of approval, if any:	H.J. Bluen (H.I.	BLAUC) Title Stf. Business Analyst	<u>Date3 - 2 - 9.3</u>	
Approved by	(This space for Federal or State office use) Orig. Signad by A fait for the	ner of the Africa Para	Date _ 3/24 193	
	Conditions of approval, if any:			

.



Job separation sheet

RECEIVED

N.M.O.C.D. COPY

 \sim

O, C, D. Dec. 1	973	Budget Bureau No. 42–R1424
TESIA. OFFICE	UNITED STATES DEPARTMENT OF THE INTERIOR	5. LEASE NM-0553785
	GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
	JNDRY NOTICES AND REPORTS ON WELLS	7. UNIT AGREEMENT NAME
reservo	ir, Use Farm 9–331–C for such proposals)	8. FARM OR LEASE NAME Baumgartner Fed. Com.
1. oi we		9. WELL NO.
	AME OF OPERATOR	10. FIELD OR WILDCAT NAME FOR the Co
3. AI	DDRESS OF OPERATOR	Und-Burton-Flat Morrow
	P. O. Box 68, Hobbs, NM 88240 OCATION OF WELL (REPORT LOCATION CLEARLY. See space 17	11. SEC., T., R., M., OR BLK. AND SURVEY OF
be	elow.) T SURFACE: 1980' FSL x 660' FWL, Sec. 26	26-21-27 12. COUNTY OR PARISH 13. STATE
A	T TOP PROD. INTERVAL: T TOTAL DEPTH: (Unit L, NW/4 SW/4)	Eddy NM
16. CI	HECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, EPORT. OR OTHER DATA	14. API NO. 15. ELEVATIONS (SHOW DF, KDB, AND WD
FRACT		
REPAI PULL MULT CHAN ABAN (other 17. [(NOTE: Report results of multiple completion or zon- change on Form 9-330.) SURVEY IEXICO The all pertinent details, and give pertinent dates firectionally drilled, give subsurface locations and it to this work.)* orrow Zone by the following and 11.466'-11,480' with
REPAI PULL MULT CHAN ABAN (other 17. [IR WELL APR 7 19 OR ALTER CASING APR 7 19 IPLE COMPLETE APR 7 19 IGE ZONES ARTESIA, NEW M DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly stated ncluding estimated date of starting any proposed work. If well is of measured and true vertical depths for all markers and zones pertinent Propose to increase production from the M method: Perforate intervals 11,843'-11,858' 2 JSPF. Evaluate well production.	(NOTE: Report results of multiple completion or zon- change on Form 9-330.) SURVEY IEXICO The all pertinent details, and give pertinent dates firectionally drilled, give subsurface locations and it to this work.)* orrow Zone by the following and 11.466'-11,480' with
REPAI PULL MULT CHAN ABAN (other 17. [IR WELL APR 7 19 OR ALTER CASING APR 7 19 IPLE COMPLETE APR 7 19 IGE ZONES ARTESIA, NEW M DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly stated ncluding estimated date of starting any proposed work. If well is of measured and true vertical depths for all markers and zones pertinent Propose to increase production from the M method: Perforate intervals 11,843'-11,858' 2 JSPF. Evaluate well production.	(NOTE: Report results of multiple completion or zon- change on Form 9-330.) SURVEY IEXICO The all pertinent details, and give pertinent dates firectionally drilled, give subsurface locations and it to this work.)* orrow Zone by the following and 11.466'-11,480' with
REPAI PULL MULT CHAN ABAN (other 17. C in r	IR WELL APR 7 19 OR ALTER CASING APR 7 19 IPLE COMPLETE APR 7 19 IGE ZONES ARTESIA, NEW M DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly stated ncluding estimated date of starting any proposed work. If well is of measured and true vertical depths for all markers and zones pertinent Propose to increase production from the M method: Perforate intervals 11,843'-11,858' 2 JSPF. Evaluate well production.	(NOTE: Report results of multiple completion or zon- change on Form 9-330.) SURVEY IEXICO The all pertinent details, and give pertinent dates directionally drilled, give subsurface locations and it to this work.)* orrow Zone by the following and 11,466'-11,480' with Acid program will be determined
REPAI PULL MULT CHAN ABAN (other 17. C ii r Subs 18. 1	IR WELL APR 7 10 OR ALTER CASING APR 7 10 IPLE COMPLETE U.S. GEOLUGICAL IGE ZONES U.S. GEOLUGICAL IDON* U.S. GEOLUGICAL ARTESIA, NEW M DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state neluding estimated date of starting any proposed work. If well is of measured and true vertical depths for all markers and zones pertined Propose to increase production from the M method: Perforate intervals 11,843'-11,858' 2 JSPF. Evaluate well production. from well evaluation. from well evaluation.	(NOTE: Report results of multiple completion or zon- change on Form 9-330.) SURVEY JEXICO The all pertinent details, and give pertinent dates tirectionally drilled, give subsurface locations and it to this work.)* orrow Zone by the following and 11,466'-11,480' with Acid program will be determined Set @ F
REPAI PULL MULT CHAN ABAN (other 17. [in r Subs 18. [SIGNE	IR WELL APR 7 10 OR ALTER CASING APR 7 10 IPLE COMPLETE U.S. GEOLUGICAL IGE ZONES U.S. GEOLUGICAL IDON* U.S. GEOLUGICAL ARTESIA, NEW M DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state neluding estimated date of starting any proposed work. If well is of measured and true vertical depths for all markers and zones pertined Propose to increase production from the M method: Perforate intervals 11,843'-11,858' 2 JSPF. Evaluate well production. from well evaluation. from well evaluation.	(NOTE: Report results of multiple completion or zon- change on Form 9-330.) SURVEY JEXICO The all pertinent details, and give pertinent dates threationally drilled, give subsurface locations and to this work.)* orrow Zone by the following and 11,466'-11,480' with Acid program will be determined Set @F Ana

"See Instructions on Reverse Side