

District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Bravo Rd., Alamogordo, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Department of Energy, Minerals & Natural Resources

Form C-104
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

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

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator name and Address ALTURA Energy Ltd. P.O. Box 4294 Houston, TX 77210-4294		OGRID Number 157984
Reason for Filing Code CH		MAR 01 1997
API Number 30-025-20756	Pool Name CINTA ROJA - MORROW	Pool Code 75000
Property Code 19577	Property Name Custer Mountain Unit - MORROW	Well Number 1

II. Surface Location

UL or lot no.	Section	Township	Range	Lot/Idn	Feet from the	North/South Line	Feet from the	East/West line	County
K	9	24	35		1980	S	1980	W	Lea

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Lee Code F	Producing Method Code F	Gas Connection Date	C-129 Permit Number	C-129 Effective Date	C-129 Expiration Date				

III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	O/G	POD ULSTR Location and Description
018053	Pride Pipeline P O Box 2436 Abilene, TX 76904	351610	Ø	
020809	Sid Richardson 201 Main Street Fort Worth, TX 76102	351630	G	

IV. Produced Water

POD	POD ULSTR Location and Description
351650	

V. Well Completion Data

Spud Date	Ready Date	TD	FBTD	Perforations

Hole Size	Casing & Tubing Size	Depth Set	Sacks Cement

VI. Well Test Data

Date New Oil	Gas Delivery Date	Test Date	Test Length	Tbg. Pressure	Csg. Pressure
Choke Size	Oil	Water	Gas	AOF	Test Method

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name: Tom G. Tullos

Title: Sr. Business Analyst

Date: MAR 01 1997

Phone: 713-366-7337

OIL CONSERVATION DIVISION

Approved by:

SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

Approval Date:

If this is a change of operator fill in the OGRID number and name of the previous operator

Anoco Production Company

OGRID No. 000778

Previous Operator Signature

Printed Name
Tom G. Tullos

Title
Sr. Business Analyst

Date

MAR 01 1997

P.O. BOX 1980

UNITED STATES
HOBBS, NEW MEXICO 88240Form 3160-S
(June 1990)DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

NM-012284

6. If Indian, Ailotee or Tribe Name

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation

8910085500

8. Well Name and No.

Custer Mountain Unit #1

9. API Well No.

30-025-20756

10. Field and Pool, or Exploratory Area

Cinta Roja - Morrow

11. County or Parish, State

Lea, NM

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Amoco Production Company

3. Address and Telephone No.

P.O. Box 3092 Houston, TX 77253 713-584-7213 Rm. 17.184

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

1980' FSL X 1980' FWL

Sec. 9, T-24-S, R-35-E (Unit K)

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

TYPE OF SUBMISSION

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

TYPE OF ACTION

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

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

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

Amoco hereby requests approval to amend our disposal site for subject property. Shown below is detailed information on the site:

1) Formation Producing Water: Morrow

2) Average Barrels of Water per day: 1

3) Water Storage: One 500 bbl. tank

4) Method of Water Transport: Trucked by Roland Trucking

5) Disposal Name: Parabon, Inc.

SW/4, Sec. 29, T-21-S, R-38-E
Amoco ORDER R-5516
Lea County, New Mexico

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

Signed

H. J. Blair (H. J. BLACK)

Title

Staff Business Analyst

Date

3-20-93

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

see attached

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

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Page 2 of 2

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

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Amoco Production Company

3. Address and Telephone No.

P.O. Box 3092 Houston, TX 77253 713-584-7213 Rm. 17.184

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

5. Lease Designation and Serial No.

NM-01228 A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Custer Mountain Unit #1

9. API Well No.

30-025-20756

10. Field and Pool, or Exploratory Area

Cinta Rosa - Morrow

11. Country or Parish, State

Lea, NM

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

TYPE OF SUBMISSION

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

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
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(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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Amoco hereby requests approval to amend our disposal site for subject property. Shown below is detailed information on the site:

- 1) Formation Producing Water: Morrow
- 2) Average Barrels of Water per day: 1
- 3) Water Storage: One 500 bbl. Tank
- 4) Method of Water Transport: Trucked by Various Truckers
- 5) Disposal Name: Mar SWD (Cities Federal No. 1)
Sec. 20, T-22-S, R-36-E
2310 FSL X 330 FWL (ORDER NMOCU-R-7504)
Lea County, New Mexico

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

Signed H. J. Blum (H.I. BLACK)

Title Staff Business Analyst

Date 3-20-93

(This space for Federal or State office use)

Approved by (10312 SCS) JOE G. LATA
Conditions of approval, if any:

Title PETROLEUM ENGINEER

Date JUN 23 1993

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. That 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.
5. 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.
6. Any on lease open top storage tanks shall be covered with a wire screen to prevent entry by birds and other wildlife.
7. This approval should not constitute the granting of any right-of-way or construction rights not granted by the lease instrument.
8. 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.

WELCHEMWELCHEM, INC.
306 N. Main
P.O. Box 179
Seminole, Texas 79360-0179
915-753-5867

LATS NO. 61302

ANALYTICAL SERVICES REPORT
WATER ANALYSIS

Date Received: 05/06/93

By: AH

Date Out: 05/10/93

Company: AMOCO PRODUCTION COMPANY
Salesman: WHITE
Lease: CUSTER
Source:Date Sampled: 04/29/93
County: LEA
State: NM
Well:DISSOLVED SOLIDS
CATIONS

	mg/l	me/l
Sodium, Na(calc)	11509.0	500.4
Calcium, Ca	1300	64.87
Magnesium, Mg	500	40.98
Potassium, K	100	2.56
Iron, Fe	47	1.68
Manganese, Mn	1.5	0.05

OTHER PROPERTIES

pH	6.82
Specific Gravity, 60/60 F	1.025
Nomograph Sp. Gr.	1.021- 1.030
Specific Gravity, Uncorr	1.023
Temperature (F)	72.0
Resistivity, OHMS-CM	21 @ 72.0F

ANIONS

	mg/l	me/l
Chloride, Cl	21400	602.82
Sulfate, SO ₄	150	3.13
Carbonate, CO ₃	0	0.0
Bicarbonate, HCO ₃	281	4.61

Total Dissolved Solids (calc.) 35,289 ppm

SCALING TENDENCIES(MG/L):

TEMP(F)	P(Psi)	CO ₂ (Psi)	PH	CASO ₄	SCALE INDEX(MG/L)		
					BASO ₄	SRSO ₄	CACO ₃
80	14.7	1.250	6.7	-1167	-1	-486	-355
110	14.7	1.250	6.7	-876	-1	-508	-213
140	14.7	1.250	6.7	-670	-2	-452	-105
170	14.7	1.250	6.7	-511	-3	-298	-18
200	14.7	1.250	6.7	-383	-3	-236	43

Remarks & Recommendations:

Calculations based upon entered pH.

WELCHEM Representative