

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires July 31, 1996

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

*SUBMIT IN TRIPLICATE - Other instructions on reverse side*

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

2. Name of Operator  
Santa Fe Energy Resources, Inc.

3a. Address  
550 W. Texas, Suite 1330, Midland, TX 79701

3b. Phone No. (include area code)  
915-687-3551

4. Location of Well (Fontage, Sec., T., R., M., or Survey Description)  
(H), 1980' FNL and 660' FEL, Sec. 14, T-21S, R-23E

5. Lease Serial No.  
NM-76919 & NM-80628

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
Roaring Springs  
"14" Fed Com #5

9. API Well No.  
30-015-28302

10. Field and Pool, or Exploratory Area  
Dagger Draw, South  
(Upper Penn)

11. County or Parish, State

Eddy NM

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

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

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

Please see attached form for surface commingling, off-lease storage, and measurement for the wells:

Roaring Springs "13" Federal #1	(D), 13-21S-23E
Roaring Springs "13" Federal #4	(C), 13-21S-23E
Roaring Springs "14" Federal #3	(P), 14-21S-23E
Roaring Springs "14" Fed Com #5	(H), 14-21S-23E

Roaring Springs Battery II is located at (H), 14-21S-23E. See attached maps and facility design.

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

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

Terry McCullough

Title

Sr. Production Clerk

Date October 8, 1998

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

(ORIG. SGD.) LES BABYAK

Title

PETROLEUM ENGINEER NOV 03 1998

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

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.

(Instructions on reverse)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1-844-1135  
Expires July 31, 1999

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

*SUBMIT IN TRIPLICATE - Other instructions on reverse side*

1. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. <b>NM-76919 &amp; NM-80628</b>
2. Name of Operator <b>Santa Fe Energy Resources, Inc.</b>		6. If Indian, Allottee or Tribe Name
3a. Address <b>550 W. Texas, Suite 1330, Midland, TX 79701</b>	3b. Phone No. (include area code) <b>915/686-6624</b>	7. If Unit or CA Agreement, Name and No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>(E), 1650' FNL &amp; 990' FWL, Sec. 14, T-21S, R-23E</b>		8. Well Name and No. <b>Roaring Springs 14 Fed Com #1</b>
		9. API Well No. <b>30-015-26081</b>
		10. Field and Pool, or Exploratory Area <b>Dagger Draw, South (Upper Penn)</b>
		11. County or Parish, State <b>Eddy NM</b>

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

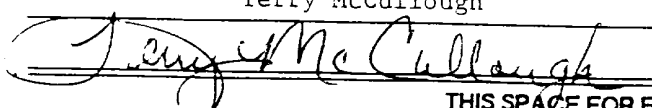
TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/>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

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

Please see attached form for surface commingling, off-lease storage, and measurement for the wells:

Roaring Springs "14" Fed Com #1 (E), 14-21S-23E  
 Roaring Springs "14" Fed Com #2 (B), 14-21S-23E  
 Roaring Springs "14" Federal #4 (K), 14-21S-23E  
 Roaring Springs "14" Federal #6 (L), 14-21S-23E

Roaring Springs Battery I is located at (E), 14-21S-23E. See attached maps and facility design.

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) <b>Terry McCullough</b>		Title <b>Sr. Production Clerk</b>
		Date <b>October 8, 1998</b>
<b>THIS SPACE FOR FEDERAL OR STATE OFFICE USE</b>		
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Office		

Title 18 U.S.C. Section 1001, 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.

(Instructions on reverse)

# Application for Surface Commingling, Off-Lease Storage and Measurement Approval

This Format Should Be Attached to a Sundry Notice

**To:** Bureau of Land Management  
P. O. Box 1778  
Carlsbad, New Mexico 88221-1778

**Santa Fe Energy Resources, Inc.** is requesting that Commingling Order CTB-457 be amended to include approval for surface commingling and off-lease storage and measurement of hydrocarbon production from the following formation(s) and well(s) on:

**Roaring Springs Battery I** (located at 14E-21S-23E)

<u>Fed Lse No</u>	<u>Lease Name</u>	<u>Well</u>	<u>Location</u>	<u>Formation</u>
NM-76919	Roaring Springs "14" Fed Com (N/2)	1	14E-21S-23E	Upper Penn
NM-80628		2	14B-21S-23E	Upper Penn
NM-76919	Roaring Springs "14" Fed (S/2)	4	14K-21S-23E	Upper Penn
* NM-76919	Roaring Springs "14" Fed	6	14L-21S-23E	Upper Penn

\*Currently being drilled

**Roaring Springs Battery II** (located at 14H-21S-23E)

<u>Fed Lse No</u>	<u>Lease Name</u>	<u>Well</u>	<u>Location</u>	<u>Formation</u>
NM-76919	Roaring Springs "14" Fed Com (N/2)	5	14H-21S-23E	Upper Penn
NM-80628				
NM-76919	Roaring Springs "14" Fed (S/2)	3	14P-21S-23E	Upper Penn
NM-76919	Roaring Springs "13" Fed	1	13D-21S-23E	Upper Penn
NM-76919	Roaring Springs "13" Fed	4	13C-21S-23E	Morrow (gas & water only)

Production from all active and shut-in wells to be commingled as follows:

<u>Well Name and Number</u>	<u>BOPD</u>	<u>Oil Gravity</u>	<u>MCFD</u>
Roaring Springs "13" Fed #1	409	42	3,174
Roaring Springs "13" Fed #4			1,100
Roaring Springs "14" Fed Com #1	49	42	1,365
Roaring Springs "14" Fed Com #2	39	42	1,585
Roaring Springs "14" Fed #3	45	42	325
Roaring Springs "14" Fed #4	312	42	3,795
Roaring Springs "14" Fed Com #5	129	42	4,335
* Roaring Springs "14" Fed #6	100	42	2,000

**Working interests, royalty interests, and overriding royalty interests are identical in all leases listed above.**



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

COMMINGLING ORDER CTB-457

Santa Fe Energy Resources, Inc.  
510 West Texas, Suite 1330  
Midland, Texas 79701

Attention: Mr. Don Rogers

The above named company is hereby authorized to commingle South Dagger Draw Upper Peen Pool (15475) production from the following leases:

Lease: Roaring Springs '14' Federal Com Well Nos.1, 2, 3, and 5 (Federal Lease Nos.NM-76919 and NM-80628)

Description: N/2 of Section 14 with NM-80628 comprising the NW/4 NW/4, and,

Lease: Roaring Springs '14' Federal Well No.4 (Federal Lease No.NM-76919)  
Description: S/2 of Section 14, and,

Lease: Roaring Springs '13' Federal Well No.1 (Federal Lease No.NM-76919)  
Description: All of Section 13,

all located Township 21 South, Range 23 East, NMPM, Eddy County, New Mexico.

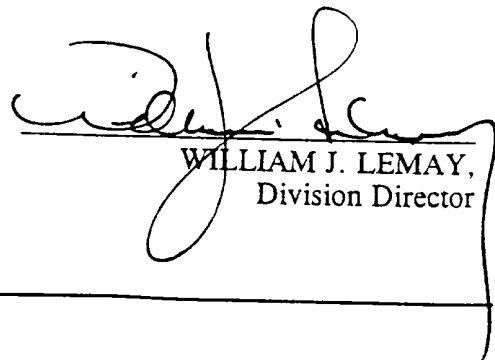
Production shall be allocated to each lease by well tests. (If this method is to be authorized, all commingled production must be of identical ownership including working interest, royalty interest, and overriding royalty interest.)

NOTE: This installation shall be installed and operated in accordance with the applicable provisions of Rule 303 of the Division Rules and Regulations and the Division "Manual for the Installation and Operation of Commingling Facilities." It is the responsibility of the producer to notify the transporter of this commingling authority.

REMARKS: The commingled production shall be stored in either Roaring Springs Battery I (Unit Letter 'E') or Roaring Springs Battery II (Unit Letter 'H') tank battery facilities located in Section 14, Township 21 South, Range 23 East, NMPM, Eddy County, New Mexico. At the time of this order, production from Section 14 Well Nos.1, 2, and 4 shall be stored in Battery I. Production from the remaining wells shall be stored in Battery II with necessary off-lease storage and measurement also provided by this authority.

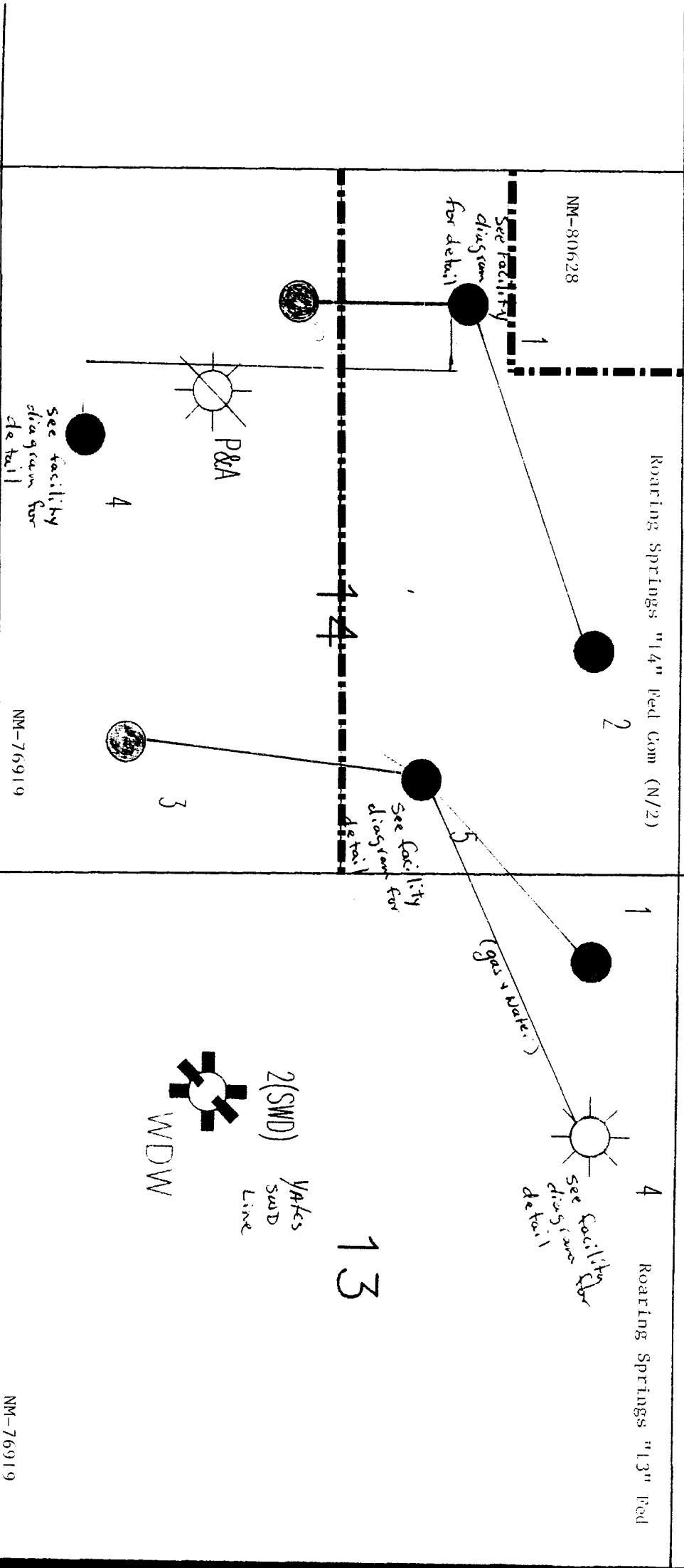
FURTHER: The operator shall notify the Artesia district office of the Division prior to implementation of the commingling process.

DONE at Santa Fe, New Mexico, on this 12th day of August, 1997.

  
WILLIAM J. LEMAY,  
Division Director

WJL/BES/kv  
cc: Oil Conservation Division - Artesia  
Bureau of Land Management - Carlsbad

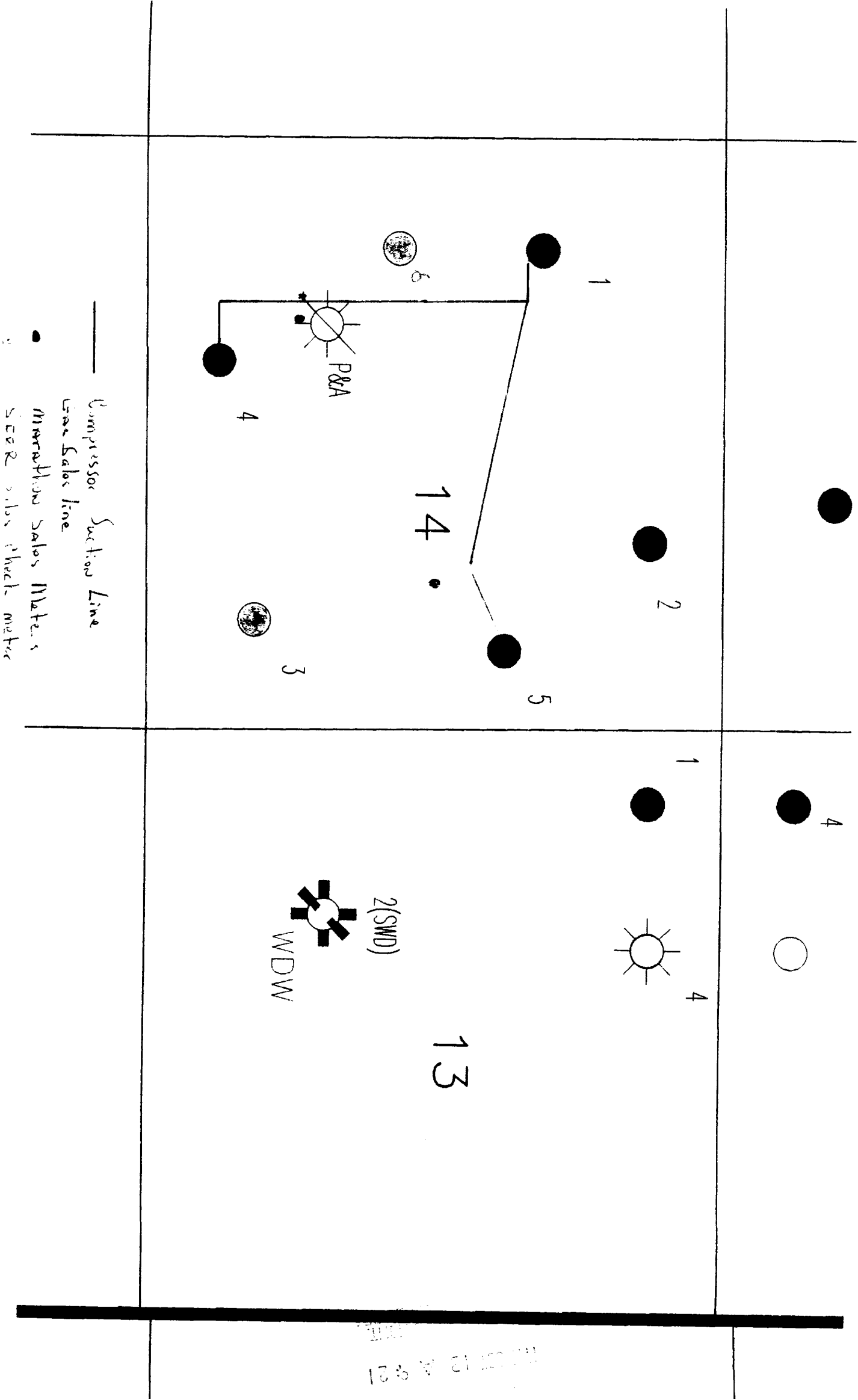
Exhibit 1  
Flow line map  
 — Production Flowlines  
 --- SUD Line to Yates

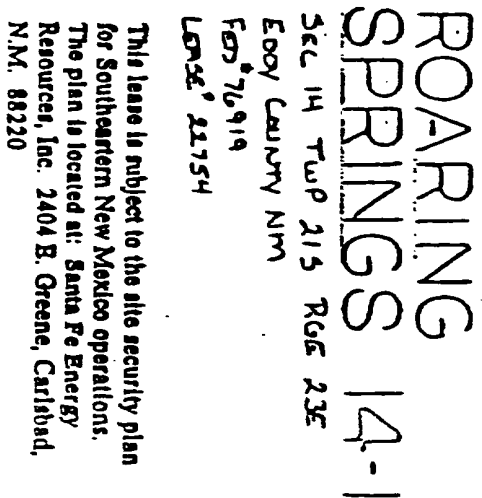


NOV 12 1992  
 12:49:21

NOV 12 8 21

not to scale





136 V. J. J. Janssen et al.

## ROARING SPRINGS

ORIGINAL

Attachment to Site Facility Diagram

WELL NAME Roaring Springs 14#1

FEDERAL # NM 76919

PRODUCTION PHASE

All circulating lines C-1 through C-4 and sales valves S-1 through S-4, roll lines R-1 through R-4 are sealed closed. Head switch valves HS-1 through HS-6 are sealed closed. Fill valve & equalizer valve on tank being filled is opened unsealed.

SALES PHASE

The tank from which sales are being made will be isolated by sealing closed the circulating valve, roll valve, fill valve & equalizer valve on tank being sold and sales valve is resealed when sale is complete.

CIRCULATING PHASE

B S & W will be removed from one tank at a time and valve will be resealed before company pumper leaves location.

WATER TANK

Valve C-1 through C-2 is sealed closed. This tank is water tank and water is ~~hauled when required and valve is sealed.~~

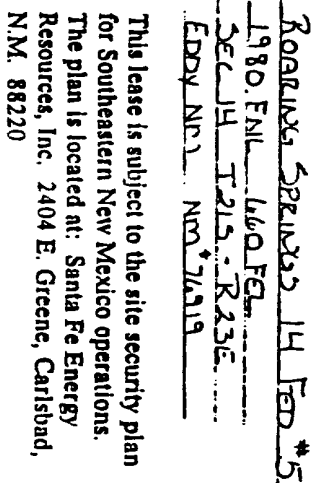
PUMP AUTOMATICALLY TO SALT WATER DISPOSAL WELLS.

VALVE D-1 IS SEALED OPEN, VALVE D-2 SEALED CLOSED.  
WHEN TRUCKING IS REQUIRED VALVE IS RESEALED AFTER  
OPERATION IS COMPLETED.

1030 01/10/11



Gas sales to Marathon  
Santa Fe Inlet 214 B  
SW1/4- NE1/4 Sec 14-21S-23E



**This lease is subject to the site security plan for Southeastern New Mexico operations. The plan is located at: Santa Fe Energy Resources, Inc. 2404 E. Greene, Carlsbad, N.M. 88220**

CC: James Moore  
Mike Ables  
BLM  
File copy.  
Site security book

## Site security book

Attachment to Site Facility Diagram

WELL NAME ROARING SPRINGS 14-5

FEDERAL # NM-76919

PRODUCTION PHASE

All circulating lines C<sub>1</sub> through C<sub>4</sub> and sales valves S<sub>1</sub> through S<sub>4</sub>, roll lines R<sub>1</sub> through R<sub>4</sub> are sealed closed. Head switch valves - through - are sealed closed. Fill valve & equalizer valve on tank being filled is opened unsealed.

SALES PHASE

The tank from which sales are being made will be isolated by sealing closed the circulating valve, roll valve, fill valve & equalizer valve on tank being sold and sales valve is resealed when sale is complete.

CIRCULATING PHASE

3 S & W will be removed from one tank at a time and valve will be resealed before company pumper leaves location.

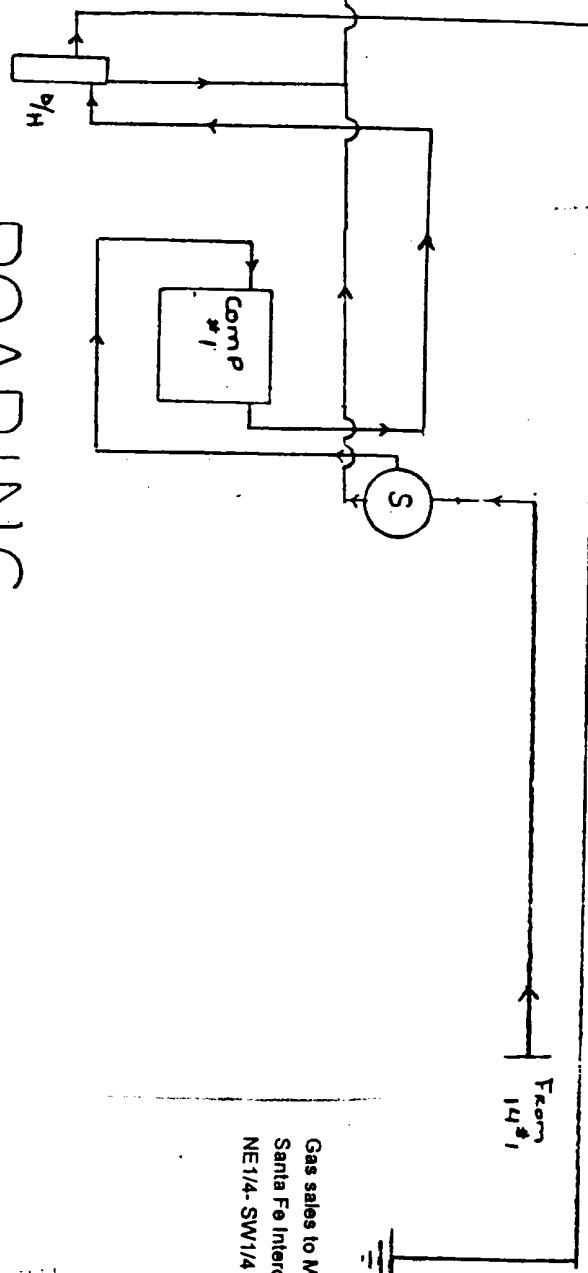
WATER TANK

Valve WD2 <sup>AND</sup> ~~through~~ WD4 is sealed closed. This tank is water tank and water is hauled when required and valve is sealed.

WD1 AND WD3 ARE SEALED OPEN FOR DISPOSAL INTO YATES LINE.

1. *Journal of the American Medical Association*, 1997; 277: 1033-1036.

156 4 61 102 11



# ROARING SPRINGS 14-4

COMPRESSOR STATION

SITE SECURITY DIAGRAM

SEC-14, TALS, RA3E

660 FSL, R80 FUL

This lease is subject to the site security plan  
for Southeastern New Mexico operations.  
The plan is located at: Santa Fe Energy  
Resources, Inc. 2404 E. Greene, Carlsbad,  
N.M. 88220

Gas sales to Marathon  
Santa Fe Interconnect 214 U  
NE1/4-SW1/4 Sec 14-21S-23E

CC:

- James Moore
- Mike Ables
- BLM
- File copy
- Site security book

Sharon

Attachment to Site Facility Diagram

WELL NAME ROARING SPRINGS 14

FEDERAL # 4 SEC-14, T21S, R23E,  
660FSL, 1980 FWL

PRODUCTION PHASE

All circulating lines — through — and sales valves — through —, roll lines — through — are sealed closed. Head switch valves — through — are sealed closed. Fill valve & equalizer valve on tank being filled is opened unsealed.

SALES PHASE

The tank from which sales are being made will be isolated by sealing closed the circulating valve, roll valve, fill valve & equalizer valve on tank being sold and sales valve is resealed when sale is complete.

CIRCULATING PHASE

B S & W will be removed from one tank at a time and valve will be resealed before company pumper leaves location.

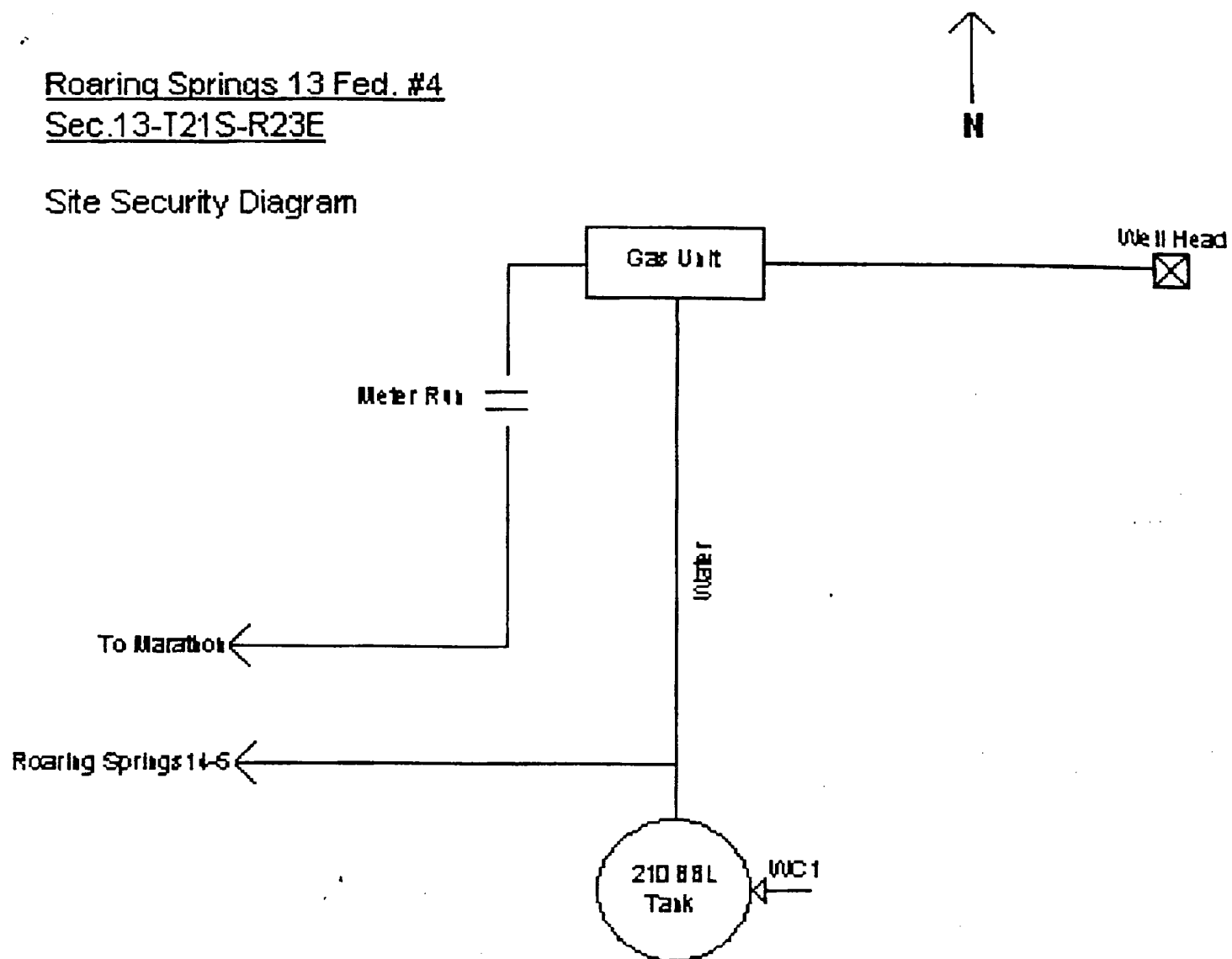
WATER TANK

Valve 12 through — is sealed closed. This tank is water tank and water is hauled when required and valve is sealed.

136 N. 1st St.

Roaring Springs 13 Fed. #4  
Sec.13-T21S-R23E

Site Security Diagram



10/10/10

10/10/10 10:10:10