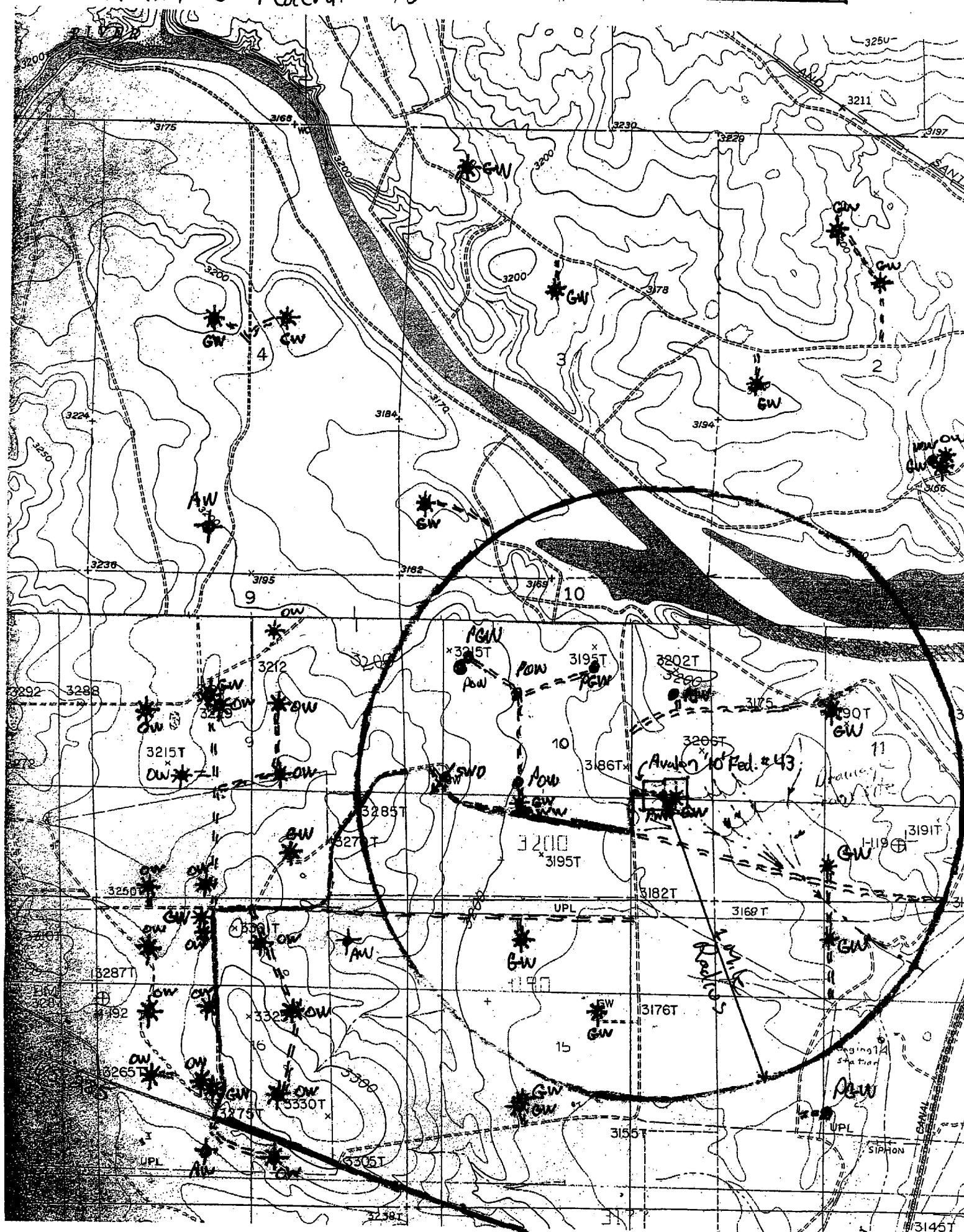


EXHIBIT 'A': Topographic & Vicinity Map -
 Avalon '10' Federal #43

1 Mile



* GW: Gas Well

* OW: Oil Well

• ww: Water Well

SWD: Salt-Water Disposal
 Injection Well

⊕ AW: Abandoned Well

• PGW: Proposed Gas Well

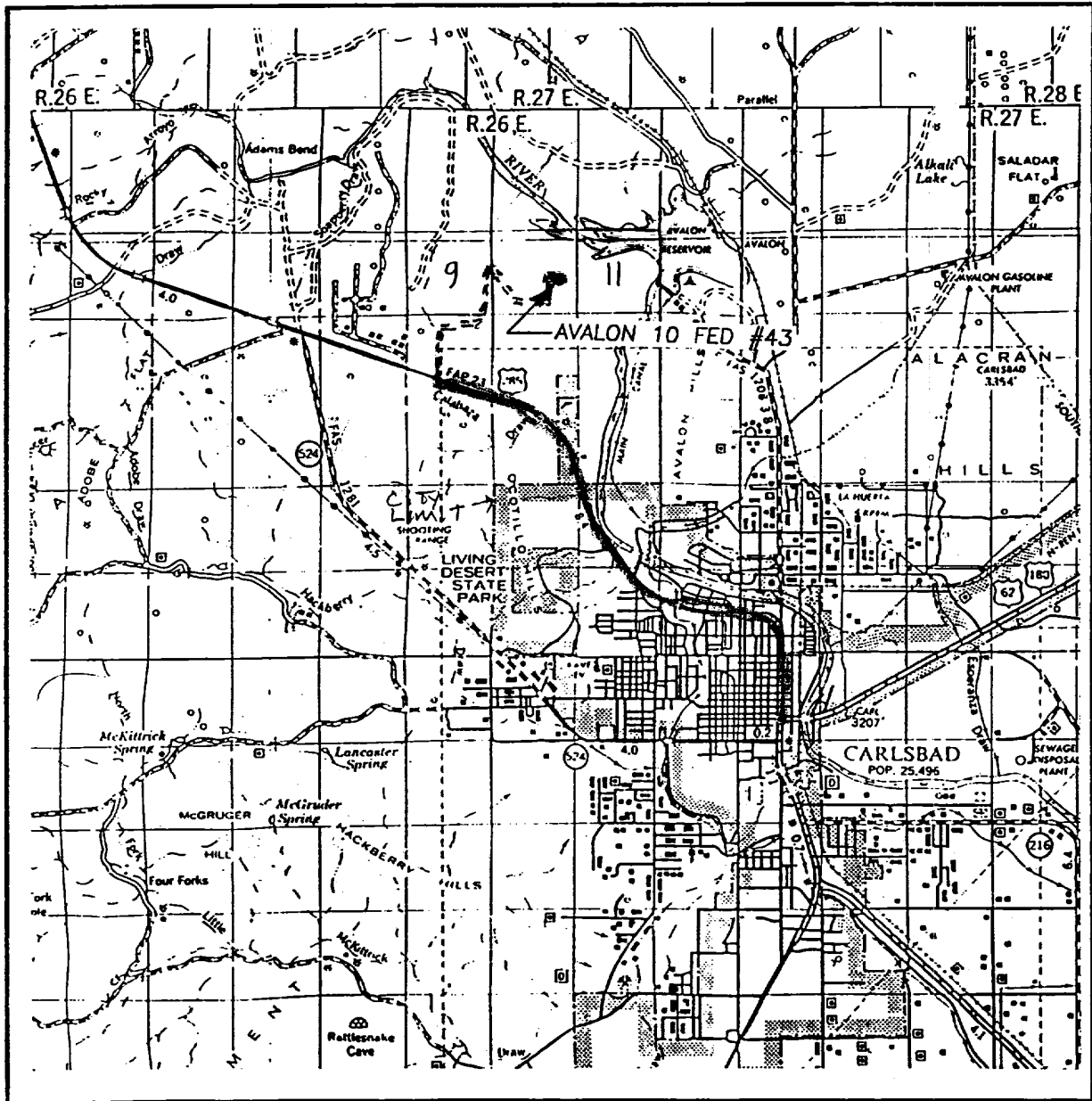
• POW: Proposed Oil Well

• Pww: Proposed Water Well

Carlsbad
 City Limit

VICINITY MAP

EXHIBIT "B"



SCALE: 1" = 2 MILES

SEC. 10 TWP. 21-S RGE. 26-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 1817' FSL & 837' FEL

ELEVATION 3181

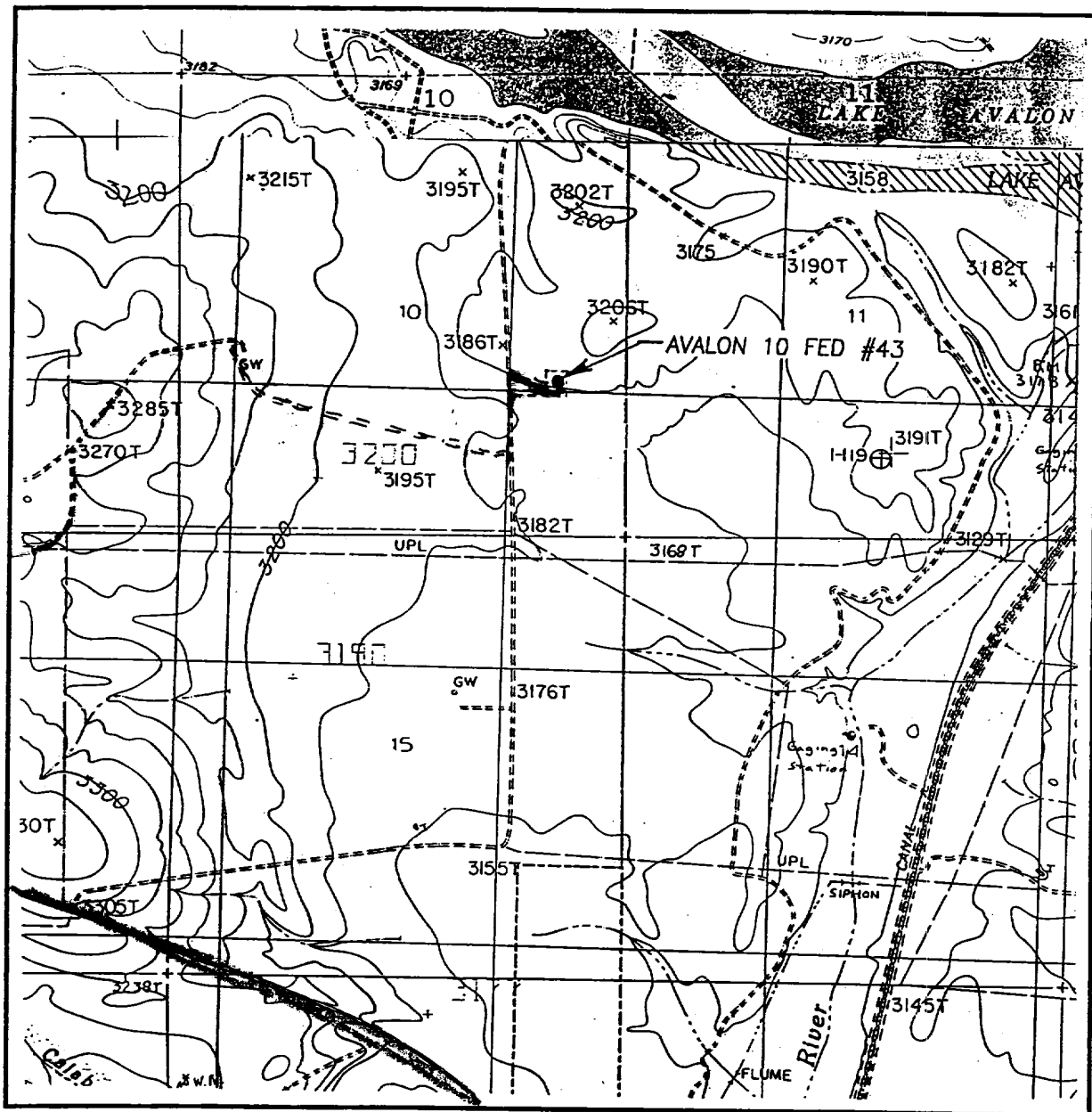
OPERATOR BONNEVILLE FUELS

LEASE AVALON 10 FEDERAL #43

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117

LOCATION VERIFICATION MAP

EXHIBIT "C-#1"



SCALE: 1" = 2000'

CITY LIMIT CONTOUR INTERVAL:
CARLSBAD WEST, N.M. - 10'

SEC. 10 TWP. 21-S RGE. 26-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 1817' FSL & 837' FEL

ELEVATION 3181

OPERATOR BONNEVILLE FUELS

LEASE AVALON 10 FEDERAL

U.S.G.S. TOPOGRAPHIC MAP

CARLSBAD WEST, N.M.

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

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

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

EXHIBIT 'C-#2'
OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 03715	Pool Name Avalon: Delaware Oil
Property Code C-102	Property Name AVALON 10 FEDERAL	Well Number 43
OGRID No. 002678	Operator Name BONNEVILLE FUELS	Elevation 3181

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	10	21 S	26E		1817	SOUTH	837	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
41.00			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

Proposed Avalon 10' STE #12 →		Proposed Avalon 10' Fed #22 ↓	Proposed Avalon 10' Fed #42 ↓ Hedge Dedication In Hachures	Proposed Avalon 10' Fed #23 ↓	3183.8' 3192.5' 3173.8' 3193.2' DETAIL	SEE DETAIL	837'	1817'	Avalon 10' Fed #43	OPERATOR CERTIFICATION I hereby certify the information contained herein is true and complete to the best of my knowledge and belief. Signature: <i>R.A. Schuering</i> Printed Name: Robert A. Schuering Title: Production Manager Date: 1/12/2001
									SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. OCTOBER 5, 2000 Date Surveyed: LMP Signature & Seal of Professional Surveyor: <i>Ronald J. Edson</i> Certificate No. RONALD J. EDSON 3239 CARY EDSON 12641 MACON McDONALD 12185	

Analogue "10" Fed. #43

Proposed Production Facilities

Red Extension

Existing Road

0 ← Proposed Water Well

40' x 60' w/
30 mil Liner

$N \times 10^{10}$ molecules

Proposed:
Aulon 10 Feb #43
1817/51C 8397EL
K. Fincham

$\frac{2\pi}{\lambda} \rightarrow$

Relinquished
Angie's

Archaeological Clearance Limit @ 350'
North from large stone pit 50' 10" x 3'
~~350' North from Aug 01/12 pit #43~~

Revised
Application
for
2" x 60' x 30mil Liner
Sales/inst

Imposed
4" Bored
Lap Bars
Line
From
Anolon 10
Feb. #472

Existing
Lake Shore Fed. S.R.
110-#2
1750 FSL 5 660' F.E.L.
m

Existing
Battery

Existing Compression

War Section

~~Existing Production and~~

Bonded 4" HP sales line

check
meter

42-302 50 SHEETS EYE-EASE 5 SQUARE
42-303 100 SHEETS EYE-EASE 5 SQUARE
42-304 200 SHEETS EYE-EASE 5 SQUARE
42-305 100 RECYCLED WHITE 5 SQUARE
42-306 200 RECYCLED WHITE 5 SQUARE



National Brand

EXHIBIT 'E' 1/4
Special Lease Stipulations
NM 3606



United States Department of the Interior
BUREAU OF RECLAMATION

SOUTHWEST REGION
HERRING PLAZA BOX 11-4377
AMARILLO, TEXAS 79101

IN REPLY
REFER TO: 420.

773.

FEB 12 1975

Memorandum

To: Chief, Branch of Oil and Gas, Bureau of Land Management,
Santa Fe, New Mexico

FROM: Regional Director

SUBJECT: Oil and Gas Lease NM 3606--Carlsbad Project, New Mexico

When subject oil and gas lease was issued December 1, 1967, we inadvertently inserted an old special stipulation which reads:

"Drilling to be prohibited within one half mile of any dam, dike or other major structure, and within 150 ft. of the center line of any canal, lateral or drain connected with the project. Drilling to be prohibited within an area established by a line 300 ft. beyond the high water line of Avalon Reservoir, said high water line being defined as Contour 3180, which Contour is 2.0 ft. above the crest of Spillway No. 1 (See page 322 USGS Water Supply Paper 893)."

This stipulation is more stringent than the standard stipulation form which has been used since 1963. Accordingly, we suggest you issue an amendment to subject lease and insert the enclosed form R5-43 in lieu of the above-quoted special stipulation.

Attila B. Burt

Enclosure

cc: Mr. James A. Knauf
District Engineer
U.S. Geological Survey
Post Office Drawer U
Artesia, New Mexico 88210
(w/c enclosure)



76

-EXHIBIT 'E' 1pg- 2/4
Special Lease Stipulations
NM 3606

85-43
(2-11-64)

Special Stipulations

1. All rights under this lease are subordinate to the right of the United States to flood and submerge the lands, permanently or intermittently, in connection with the operation and maintenance of the Carlsbad (Avalon Reservoir) dam and reservoir project.
2. All surface work performed by the lessee on the lands shall be under the general supervision of the Regional Director, Bureau of Reclamation, in direct charge of the project, and subject to such conditions and regulations as he may prescribe. The plans and location for all structures, appurtenances thereto, and surface work on the leased lands shall be submitted to the said Regional Director for approval in advance of commencement of any surface work on the said leased lands. All oil or gas drilling and producing operations shall be under the supervision of the Regional Oil and Gas Supervisor, U. S. Geological Survey, in accordance with 30 CFR, Part 221. The authorized representatives of the Bureau of Reclamation and of the Geological Survey shall have the right to enter on the leased premises at any time to inspect both the installation and operational activities of the lessee.
3. No wells shall be drilled for oil or gas below the conservation pool elevation of 3177.4 * feet, except upon written permission of the Regional Director, provided, however, that there will be no objection to such drilling by directional methods from adjacent areas above the 3177.4 * foot elevation; on the condition that such drilling operations are subject to appropriate restrictions to prevent pollution of the reservoir, with operation and maintenance of the reservoir and to prevent interference.
4. All storage tanks shall be constructed above elevation 3194.0 * feet, mean sea level, and shall be protected by firewalls or dikes of sufficient capacity to protect the reservoir from pollution.
5. Drilling a well for oil or gas is prohibited within 2,640 feet of any dam, dike, or other major structure, unless otherwise approved by the Regional Director.
6. All drilling operations shall be conducted in accordance with the applicable State laws relative to municipal water supplies.

* Conservation pool elevation for the appropriate reservoir
maximum water surface of the appropriate reservoir

Address: Regional Director
Bureau of Reclamation
P. O. Box 1609
Amarillo, Texas

Address: Regional Oil and Gas Supervisor
Geological Survey

12

EXHIBIT 'E' Page 3/4
Special Lease Stipulations
NM 3606

BUREAU OF LAND MANAGEMENT

LEASE FOR OIL AND GAS

(Sec. 17 Noncompetitive Public Domain Lease)

Act of February 25, 1920 (41 Stat. 437), as amended (30 U.S.C. Secs. 181-186)

RECEIVED

BUREAU OF LAND MANAGEMENT

LAND OFFICE SANTA FE, N.M.

NOV 13 1967

HOUR 10:00 AM

NM 3606

(Serial Number)

181-186

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Gilbert E. Behlen

138 No. Parkway

City of Columbus, Nebraska 68601

State of Nebraska

Zip Code 68601

County of Lincoln

State of Nebraska

County of Lincoln

State of Nebraska

County of Lincoln

State of Nebraska

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County of Lincoln

T. 21 S., R. 26 E., NMPM, New Mexico

Sec. 2: Lot 12

3: NW1/4, S1/4SW1/4

4: Lots 15, 16, SE1/4

9: NE1/4NE1/4

10: SE1/4NE1/4, NE1/4SE1/4, W1/4E1/4, E1/4W1/4, NW1/4NW1/4

11: S1/4N1/4, N1/4SE1/4, SW1/4SE1/4

12: E1/4SW1/4, W1/4SE1/4, SE1/4SE1/4

15: SE1/4NW1/4, NE1/4SW1/4

subject to the determination by the survey as to whether the lands herein were on a known geological structure of oil or gas field as of the date of sign- by the authorized officer, who not

within a known Geologic Structure on date of lease issuance.

For the Director
U. S. Geological Survey

Containing a total of 1440 acres

Annual Rental \$ 720.00

This lease is issued to the successful drawee pursuant to his "Simultaneous Oil and Gas Entry Card" appli- cation filed under 43 CFR 3123.9, and is subject to the provisions of that application and those specified on the reverse side hereof.

Effective date of lease: December 1, 1967

THE UNITED STATES OF AMERICA

By

Fred E. Padilla, Chief
Branch of Oil and Gas

NOV 1 1967

(Date)

(Title)

NOTED

Acceagn

Control

Date

11/23/67

By

ysm

MTP

EXHIBIT 'E' - 1

je 4/4

Special Lease Stipulations

NM 3606

Form 3103-1
(June 1964)
(formerly 4-467)

RECEIVED
BUREAU OF LAND MANAGEMENT
UNITED STATES OFFICE-SANTA FE, N. M.
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
1967

NM 3606
Oil and Gas
4-10h

LEASE STIPULATION: 10:00 A.M.
BUREAU OF RECLAMATION

The lessee agrees to maintain, if required by the lessor during the period of this lease, including any extension thereof, an additional bond with qualified sureties in such sum as the lessor, if it considers that the bond required under Section 2(a) is insufficient, may at any time require:

(a) to pay for damages sustained by any reclamation homestead entryman to his crops or improvements caused by drilling or other operations of the lessee; such damages to include the reimbursement of the entryman by the lessee, when he uses or occupies the land of any homestead entryman, for all construction and operation and maintenance charges becoming due during such use or occupation upon any portion of the land so used and occupied;

(b) to pay any damage caused to any reclamation project or water supply thereof by the lessee's failure to comply fully with the requirements of this lease; and

(c) to recompense any nonmineral applicant, entryman, purchaser under the Act of May 16, 1930 (46 Stat. 367), or patentee for all damages to crops or to tangible improvements caused by drilling or other prospecting operations, where any of the lands covered by this lease are embraced in any nonmineral application, entry, or patent under rights initiated prior to the date of this lease, with a reservation of the oil deposits, to the United States pursuant to the Act of July 17, 1914 (38 Stat. 509).

As to any lands covered by this lease within the area of any Government reclamation project, or in proximity thereto, the lessee shall take such precautions as required by the Secretary to prevent any injury to the lands susceptible to irrigation under such project or to the water supply thereof; provided that drilling is prohibited on any constructed works or right-of-way of the Bureau of Reclamation, and provided, further, that there is reserved to the lessor, its successors and assigns, the superior and prior right at all times to construct, operate, and maintain dams, dikes, reservoirs, canals, wasteways, laterals, ditches, telephone and telegraph lines, electric transmission lines, roadways, appurtenant irrigation structures, and reclamation works, in which construction, operation, and maintenance, the lessor, its successors and assigns, shall have the right to use any or all of the lands herein described without making compensation therefor, and shall not be responsible for any damage from the presence of water thereon or on account of ordinary, extraordinary, unexpected, or unprecedented floods. That nothing shall be done under this lease to increase the cost of, or interfere in any manner with, the construction, operation, and maintenance of such works. It is agreed by the lessee that, if the construction of any or all of said dams, dikes, reservoirs, canals, wasteways, laterals, ditches, telephone or telegraph lines, electric transmission lines, roadways, appurtenant irrigation structures or reclamation works across, over, or upon said lands should be made more expensive by reason of the existence of the improvements and workings of the lessee thereon, said additional expense is to be estimated by the

Secretary of the Interior, whose estimate is to be final and binding upon the parties hereto, and that within thirty (30) days after demand is made upon the lessee for payment of any such sums, the lessee will make payment thereof to the United States, or its successors, constructing such dams, dikes, reservoirs, canals, wasteways, laterals, ditches, telephone and telegraph lines, electric transmission lines, roadways, appurtenant irrigation structures, or reclamation works, across, over, or upon said lands; provided, however, that subject to advance written approval by the United States, the location and course of any improvements or works and appurtenances may be changed by the lessee; provided, further, that the reservations, agreements, and conditions contained in the within lease shall be and remain applicable notwithstanding any change in the location or course of said improvements or works of lessee. The lessee further agrees that the United States, its officers, agents, and employees, and its successors and assigns shall not be held liable for any damage to the improvements or workings of the lessee resulting from the construction, operation, and maintenance of any of the works hereinabove enumerated. Nothing in this paragraph shall be construed as in any manner limiting other reservations in favor of the United States contained in this lease.

THE LESSEE FURTHER AGREES That there is reserved to the lessor, its successors and assigns, the prior right to use any of the lands herein leased, to construct, operate, and maintain dams, dikes, reservoirs, canals, wasteways, laterals, ditches, telephone and telegraph lines, electric transmission lines, roadways, or appurtenant irrigation structures, and also the right to remove construction materials therefrom, without any payment made by the lessor or its successors for such right, with the agreement on the part of the lessee that if the construction of any or all of such dams, dikes, reservoirs, canals, wasteways, laterals, ditches, telephone and telegraph lines, electric transmission lines, roadways, or appurtenant irrigation structures across, over, or upon said lands or the removal of construction materials therefrom, should be made expensive by reason of the existence of improvements or workings of the lessee thereon, such additional expense is to be estimated by the Secretary of the Interior, whose estimate is to be final and binding upon the parties hereto, and that within thirty (30) days after demand is made upon the lessee for payment of any such sums, the lessee will make payment thereof to the United States or its successors constructing such dams, dikes, reservoirs, canals, wasteways, laterals, ditches, telephone and telegraph lines, electric transmission lines, roadways, or appurtenant irrigation structures across, over, or upon said lands or removing construction materials therefrom. The lessee further agrees that the lessor, its officers, agents, and employees and its successors and assigns shall not be held liable for any damage to the improvements or workings of the lessee resulting from the construction, operation, and maintenance of any of the works herein above enumerated. Nothing contained in this paragraph shall be construed as in any manner limiting other reservations in favor of the lessor contained in this lease.

Drilling to be prohibited within one half mile of any dam, dike or other major structure, and within 150 ft. of the center line of any canal, lateral or drain connected with the project. Drilling to be prohibited within an area established by a line 300 ft. beyond the high water line of Avalon Reservoir, said high water line being defined as Contour 3180, which Contour is 2.0 ft. above the crest of Spillway No. 1. (See page 322 USGS Water Supply Paper 898).

(over)

(See Appendix, Steps)

EXHIBIT 'F'

SECTION 10, TOWNSHIP 21 SOUTH, RANGE 26 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.

Avalon "10" Federal #43

USDI B.C.
"1976"
& STN. MND.

USDI 1/4
COR. B.C.
"1976"
& STN. MND.

3 2
10 11

1/2" R.S.
& STN. MND.

BEG. SURVEY AT
NWc OF PAD
0+00
1+36
3+01
5+84
PI 01'02" RT
=0+00 SURVEY
TO AVALON 10 FED. #23
CL TRAIL ROAD

20+84 CL CALICHE LSE RD

27+22 END OF SURVEY

AVALON 10 FED. #23

AVALON 10
FED. #43

S86°17'E
136.0'

S85°15'E
2586.0'

2485.2'

LAKE SHORE
FEDERAL
STATE COM. #2

STATE

WATER & POWER
RESOURCES SERVICE LAND

STATE

SPK. NAIL
& STN. MND.

9 10
16 15

N89°59'W

USDI 1/4
COR. B.C.
"1976"

BASIS OF BEARING
USGLO PLAT

10 11
15 14

USDI BC
"1976"

DESCRIPTION

A STRIP OF LAND BEING 50 FEET WIDE AND 2722.0 FEET OR 0.515 MILES IN LENGTH AND
BEING 25.0 FEET LEFT OF AND 25.0 FEET RIGHT OF THE ABOVE CENTERLINE SURVEY.

1000 0 1000 2000
SCALE: 1"=1000'

I HEREBY CERTIFY THAT I DIRECTED AND AM
RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY
IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE
AND BELIEF AND THAT THIS SURVEY AND PLAT MEET THE
MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

RONALD J. EIDSON, N.M. P.S.
GARY G. EIDSON, N.M. P.S.

No. 3239

No. 12641

JOHN WEST SURVEYING COMPANY

412 N. DAL PASO, HOBBES, NEW MEXICO - 505-393-3117

BONNEVILLE FUELS CORPORATION

SURVEY OF A PIPELINE CROSSING U.S.A.
WATER & POWER RESOURCES SERVICE LAND
SECTION 10, TOWNSHIP 21 SOUTH, RANGE 26 EAST,
EDDY COUNTY, NEW MEXICO

Survey Date: 10/5/00

Sheet 1 of 1 Sheets

W.O. Number: 00-11-1213

Drawn By: LMP

Date: 05/10/00

DISK: CD#3

BONN1213

Scale: 1"=1000'

Outside Edge of Archaeology Survey

Upper Edge of Cut Slope

3:1 Back-Slope Lower
Edge of Cut-Slope

C 4.0'

130' C104
Pit Bottom
5' Below (60')
And Level C.73

C. 10⁴
C. 7³

11.0

50'

1-120

150'

Amidon '10' Feb #43
Well Center
→

150

On Grade
Pad For
Lake Shore Fed. SC. 10 #2 well
@ 3180'

75.10

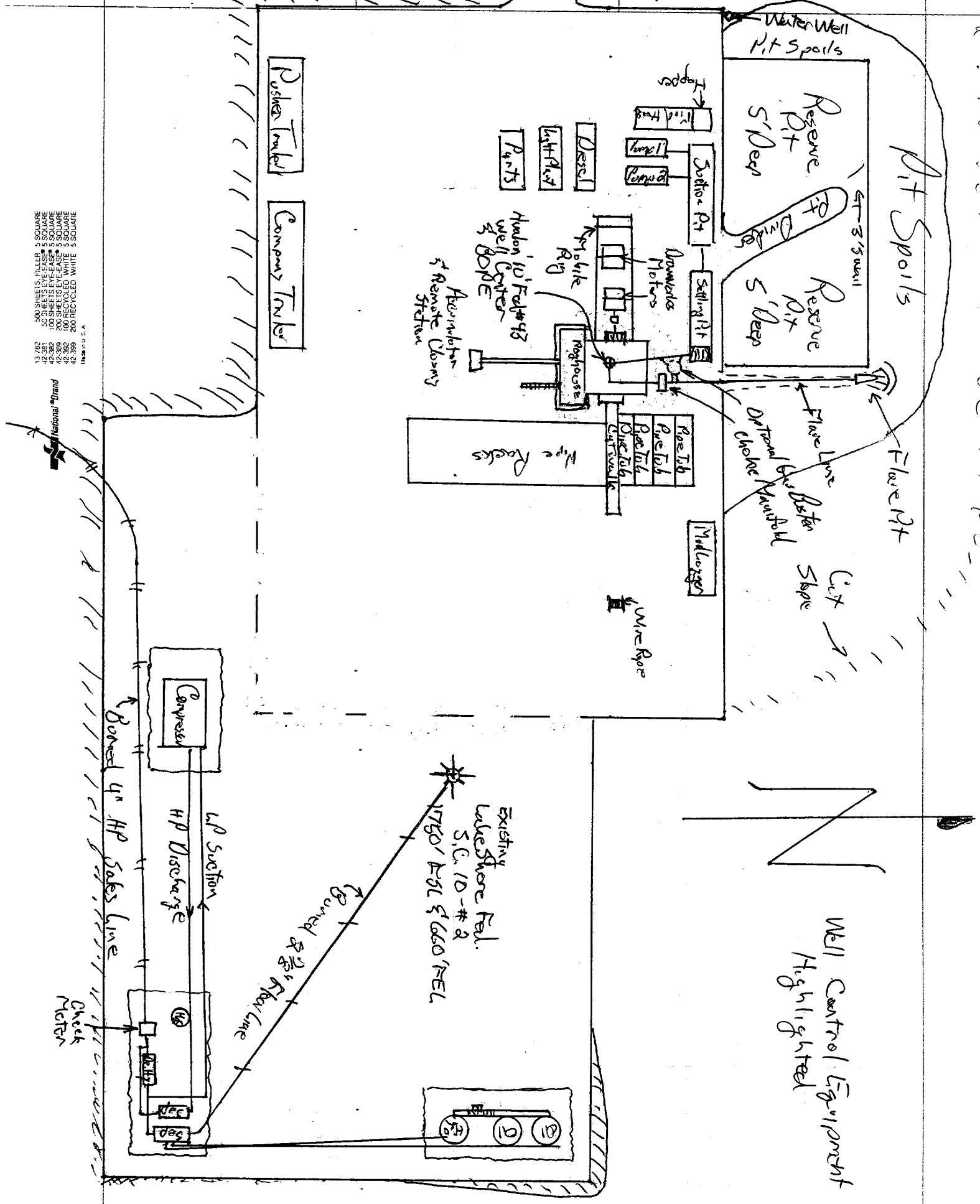
150'

74.0

Drill Pad: 300' E-W
200' N-S

Outside Edge of
Archaeology Survey

valoa '10' Fed. #43



13-782	500 SHEETS, FILLER	5 SQUARE
12-381	50 SHEETS EYE-EASE	5 SQUARE
12-382	100 SHEETS EYE-EASE	5 SQUARE
12-389	200 SHEETS EYE-EASE	5 SQUARE
12-392	100 RECYCLED WHITE	5 SQUARE
12-399	200 RECYCLED WHITE	5 SQUARE

National Brand

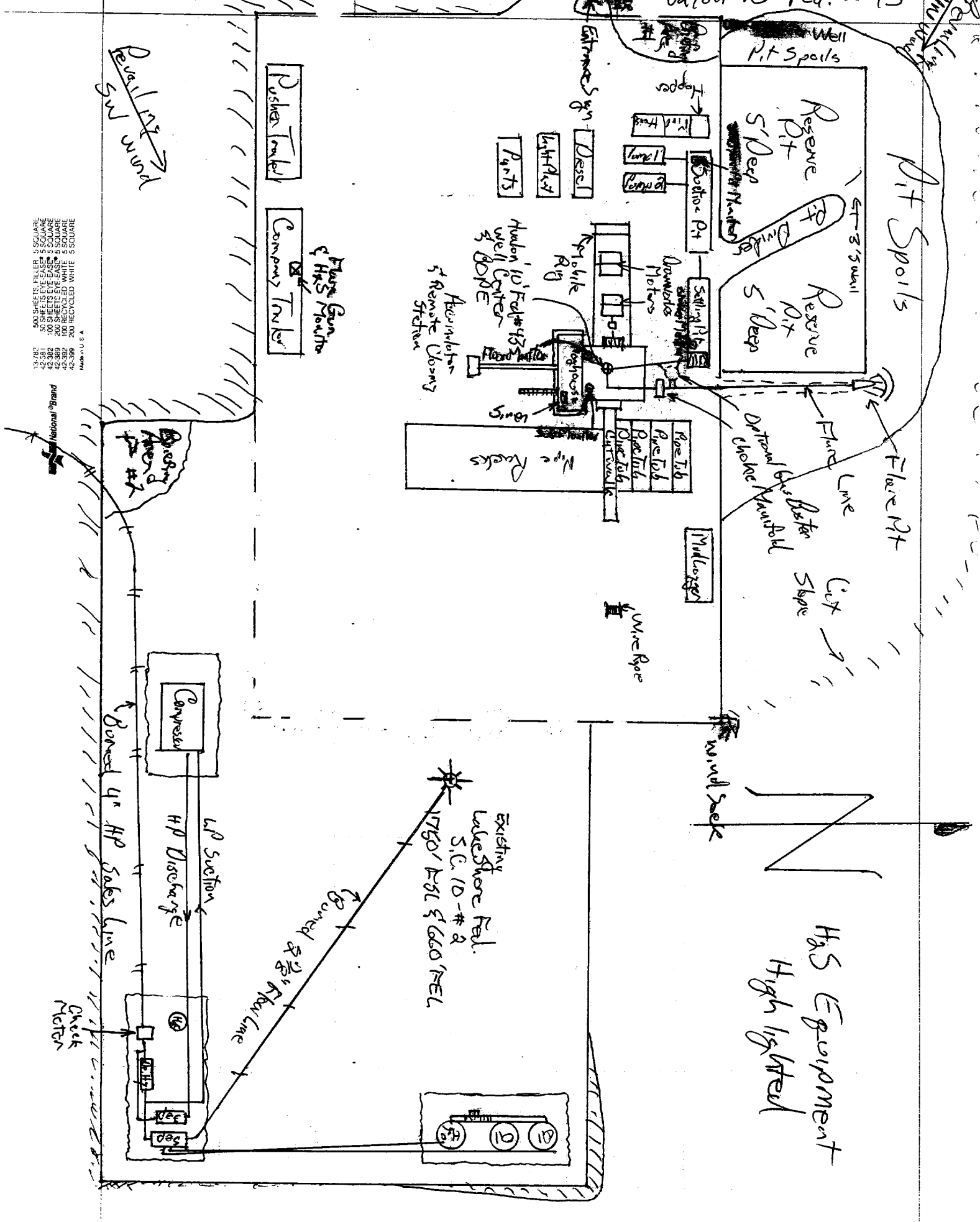


EXHIBIT 'J'

1/5

CULTURAL RESOURCE MANAGEMENT REPORT

**Bonneville Fuels Corporation
The Proposed Avalon "10" Federal Number 43 Well Location
Section 10, T.21S., R.26E
Eddy County, New Mexico**

Written By:

Doralene Sanders
and
Joe Ben Sanders
Project Archaeologist
Principal Investigator

Prepared For:
Bonneville Fuels Corporation
1700 Broadway, Suite 1150
Denver, CO 80290

Prepared By:

**SOUTHERN NEW MEXICO
ARCHAEOLOGICAL SERVICES, Inc.**

Post Office Box 1
Bent, New Mexico 88314-0001

Date:
October 17, 2000

**Project # SNMAS-00NM-406
NMCRIS # 72120**

2/5

TITLE PAGE/ABSTRACT
NEGATIVE SITE REPORT
ROSWELL DISTRICT

BLM/ RDO 1/95

Page 1

1. BLM Report No.

2. (Accepted)
(Rejected)

3. NMCRIS No. 72120

4. Title of Report (Project Title):

A Cultural Resource Inventory
The Avalon "10" Federal Number 43
Proposed Well Location
Section 10, T.21S., R. 26E
Eddy County, New Mexico

5. Project Date(s)
October 5, 2000

6. Report Date
October 17, 2000

7. Consultant Name & Address:

Direct Charge: Joe Ben Sanders
Name: Southern New Mexico Archaeological Services, Inc.
Address: PO Box 1 Bent, New Mexico 88314
Author's Name: Doralene Sanders
Field Personnel Names: Ray Medlock
Phone No. (505) 671-4797

8. Permit No.
145-2920-00-G

Consultant Report #
SNMAS-00NM-406

10. SPONSOR NAME AND ADDRESS:
Individual Responsible: Robert Schwering

Name: Bonneville Fuels Corporation
Address: 1700 Broadway, Suite 1150
Denver, CO 80290
Phone No.(303) 863-1555 Ext. 213

(Bureau of Reclamation)

11. FOR BLM USE

12. ACREAGE:
Total No. of acres
Surveyed 5.68
Per Surface
Ownership:
Federal 5.68
State _____
Private _____

13. Location and Area: (Maps Attached if negative survey)

a. State: New Mexico **b.** County: Eddy **c.** BLM District: Roswell, Field Office: Carlsbad
d. Nearest City or Town: Carlsbad, New Mexico
e. Location: T 21S R 26E Sec 10 Well Pad Footage's **1817' FSL and 837' FEL**
1/4's: Pad: SW1/4NE1/4SE1/4,
f. 7.5' Map Name(s) and Code Number(s): USGS Carlsbad West NM (1985) 32104-D3

3/5

g. Area: Block:

Impact: 225' X 275'

Surveyed: 450' X 550'

Linear: 00' X 000'

Surveyed: 000' X 000'

14. a. Records Search:

Location: ARMS HPD.
BLM Carlsbad

Date: October 3, 2000

Date: October 3, 2000

List by LA # All sites within .25 miles of the project:

None

b. Description of Undertaking:

The proposed Avalon "10" Federal Number 43 well location is staked 1817 ft FSL and 837 ft FEL in Section 10, T.21S., R.26E. The impact area for the proposed well location is an area 225 ft by 275 ft. An area 450 ft by 550 ft was surveyed for the proposed well location. A previously inventoried right of way (SNMAS-00-NM-407) on the south will access the proposed well location.

c. Environmental Setting NRCS soil designation: vegetative community: etc.:

The project area is located on the westside of Pecos River with gently rolling low hills in shallow soils over limestone bedrock. Vegetation in the area consists of acacia, grass, javelina bush, prickly pear, snakeweed and creosote. Elevation is 3181 ft.

d. Field Methods: Transect Intervals: 10 zig zag transects across well pad,

Crew Size: 1

Time in Field: 2 hours

Collections: NONE

15. Cultural Resource Findings:

a. Identification and description: (Location shown on project map)

During the current survey, no cultural resources were encountered.

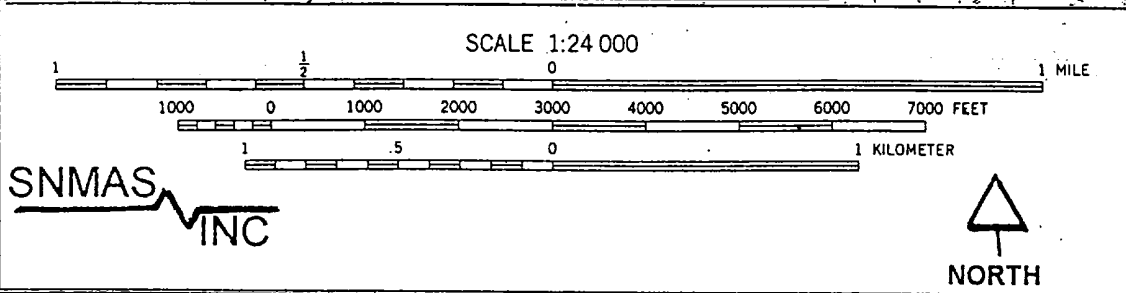
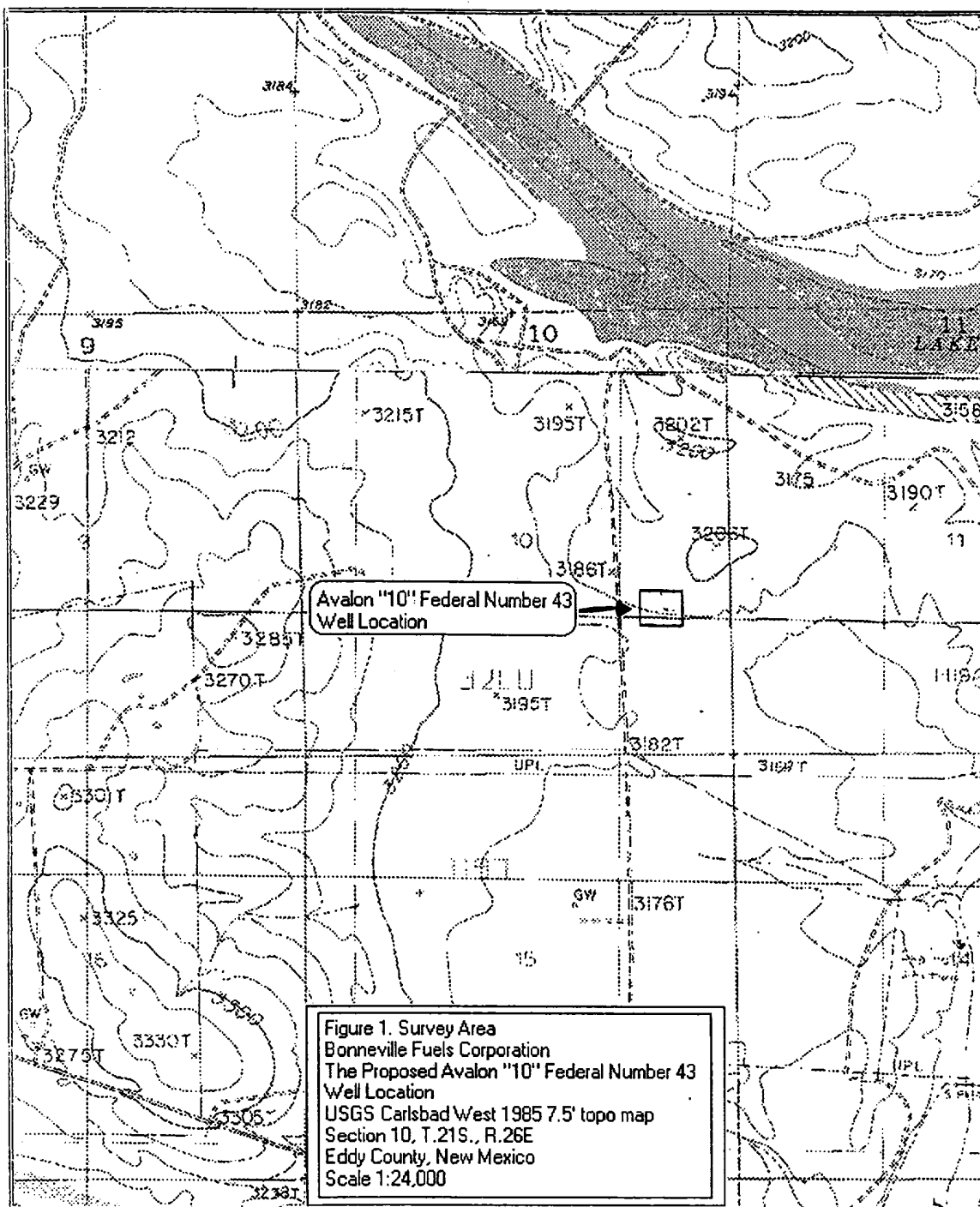
16. Management Summary (Recommendations):

During the survey, no cultural resources were encountered. **Therefore, archaeological clearance is recommended for the Bonneville Fuels Corporation proposed Avalon "10" Federal Number 43 well location, with no stipulations.**

I certify the information provided above is correct and accurate and meets all appreciable BLM standards.

Responsible Archaeologist: Signature Joe Ben Sanders WDS.
Joe Ben Sanders Date: October 17, 2000
Principal Investigator

The above completes a negative report. If eligible of potentially eligible properties are involved, then the above will be the title page and abstract for a complete report



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EXHIBIT 'K'

CULTURAL RESOURCE *Avalon 10 Federal # 43* MANAGEMENT REPORT

**Bonneville Fuels Corporation
The Avalon and Lakeshore Pipeline
A Pipeline servicing the Bonneville Fuels Corporation's
Avalon and Lakeshore Well Locations
Section 10, T.21S., R.26E
Eddy County, New Mexico**

Written By:

Doralene Sanders
and
Joe Ben Sanders
Project Archaeologist
Principal Investigator

Prepared For:
Bonneville Fuels Corporation
1700 Broadway, Suite 1150
Denver, CO 80290

Prepared By:

**SOUTHERN NEW MEXICO
ARCHAEOLOGICAL SERVICES, Inc.**

Post Office Box 1
Bent, New Mexico 88314-0001

Date:
October 20, 2000

**Project # SNMAS-00NM-407
NMCRIS # 72121**

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TITLE PAGE/ABSTRACT
NEGATIVE SITE REPORT
ROSWELL DISTRICT

BLM/ RDO 1/95

Page 1

1. BLM Report No.**2. (Accepted)**
(Rejected)**3. NMCRIS No. 72121****4. Title of Report (Project Title):**

A Cultural Resource Inventory
The Avalon and Lakeshore Pipeline
A Pipeline servicing the Avalon and Lakeshore
Bonneville Fuels Corporation Well Locations
Section 10, T.21S., R. 26E
Eddy County, New Mexico

5. Project Date(s)

October 4, 5, 2000

6. Report Date

October 20, 2000

7. Consultant Name & Address:

Direct Charge: Joe Ben Sanders
Name: Southern New Mexico Archaeological Services, Inc.
Address: PO Box 1 Bent, New Mexico 88314
Author's Name: Doralene Sanders
Field Personnel Names: Joe Ben Sanders and Ray Medlock
Phone No. (505) 671-4797

8. Permit No.

145-2920-00-G

Consultant Report #

SNMAS-00NM-407

10. SPONSOR NAME AND ADDRESS:

Individual Responsible: Robert Schwering

Name: Bonneville Fuels Corporation
Address: 1700 Broadway, Suite 1150
Denver, CO 80290
Phone No. (303) 863-1555 Ext 213

11. FOR BLM USE**12. ACREAGE:**

Total No. of acres

Surveyed 17.22

Per Surface

Ownership:

(Bureau of Reclamation) Federal 17.19State .03Private **13. Location and Area:** (Maps Attached if negative survey)

a. State: New Mexico **b.** County: Eddy **c.** BLM District: Roswell, Field Office: Carlsbad
d. Nearest City or Town: Carlsbad, New Mexico
e. Location: T 21S R 26E Sec 10 Well Pad Footage's 1980' FNL and 1980' FWL

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¼'s: **Pipeline:** SE1/4N1/2SE1/4; NE1/4NE1/4SW1/4NW1/4; NW1/4SW1/4NE1/4; W1/2SE1/4NW1/4; W1/2NE1/4NE1/4SW1/4; SW1/4NE1/4SW1/4; SE1/4NE1/4SW1/4; S1/2NW1/4SE1/4; SW1/4NE1/4SE1/4; NW1/4SE1/4NE1/4SE1/4; NE1/4NE1/4SE1/4SE1/4; SE1/4NE1/4

f. 7.5' Map Name(s) and Code Number(s): USGS Carlsbad West (1985) 32104-D3

g. Area: Block:

Impact: 000' X 000'

Surveyed: 000' X 000'

Linear: 60' X 7500'

Surveyed: 120' X 7500'

14. a. **Records Search:**

Location: ARMS HPD.
BLM Carlsbad

Date: October 3, 2000
Date: October 3, 2000

List by LA # All sites within .25 miles of the project:

LA 131362

b. **Description of Undertaking:**

The proposed pipeline begins on the southeast corner of the Lakeshore Federal State COM 10 Number 4, (previously inventoried SNMAS-401) well location and trends 900 ft southeast to the Avalon 10 Federal Number 22, (previously inventoried SNMAS-403), on the northeast, then trends 700 ft northeast, 400 ft southeast to the Lakeshore Federal State COM 10, (previously inventoried SNMAS 402). The pipeline then trends off of the Avalon 10 Federal Number 22 from the northeast corner 1200 ft south along side of previously inventoried access roads (SNMAS-403 and 404) to the Avalon 10 Federal Number 23 well location (previously inventoried SNMAS 404). The pipeline then trends from the southwest corner of the Avalon 10 Federal Number 23 southeast 2800 feet to the southwest corner of Avalon 10 Federal Number 43, (previously inventoried SNMAS-406) and the northwest corner of the existing Lakeshore Federal State COM Number 2 well location. The pipeline then trends from the northeast corner of the existing Lakeshore Federal State COM Number 2 well location due north 1200 ft, then 300 ft north to a previously inventoried (SNMAS-405) access road located on the southeast corner of the Avalon 10 Federal Number 42.

c. **Environmental Setting** NRCS soil designation: vegetative community: etc.:

The project area is located on the westside of Pecos River with gently rolling low hills in shallow soils over limestone bedrock. Vegetation in the area consists of acacia, grass, javelina bush, prickly pear, snakeweed and creosote. Elevation is 3197 ft.

d. Field Methods: Transect Intervals: 50-ft zig zag
intervals across the staked corridor.

Crew Size: 2

Time in Field: 6 hours

Collections: NONE

15. Cultural Resource Findings:

a. Identification and description: (Location shown on project map)

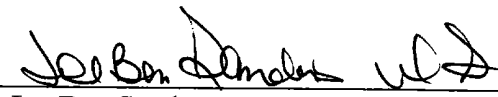
During the current surveys, no cultural resources were encountered.

16. Management Summary (Recommendations):

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I certify the information provided above is correct and accurate and meets all appreciable BLM standards.

Responsible Archaeologist: Signature



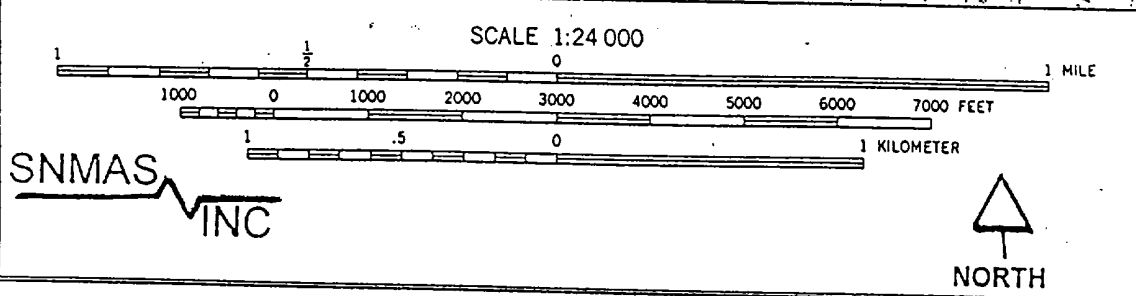
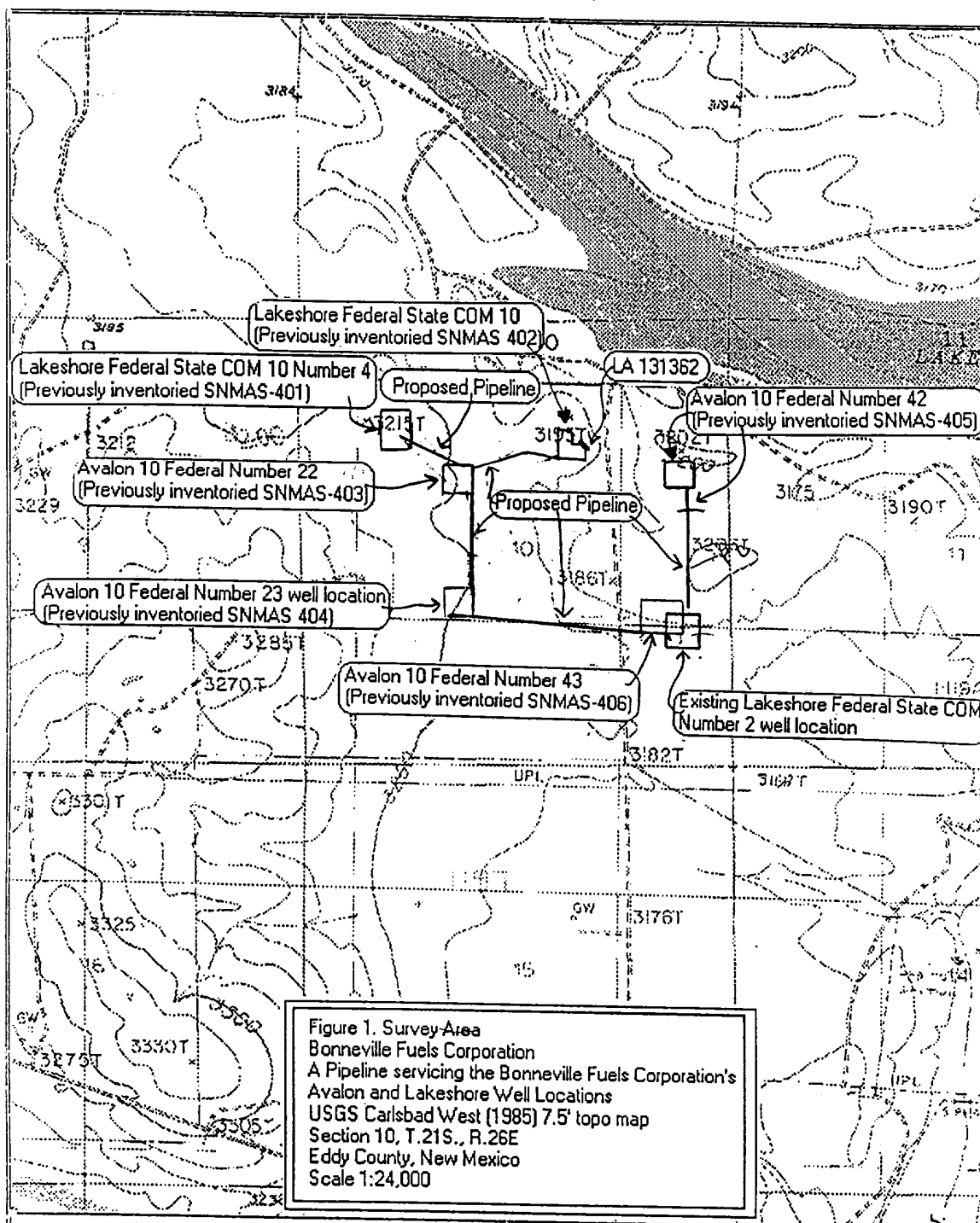
Joe Ben Sanders

Date: October 20, 2000

Principal Investigator

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