



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

March 13, 1981

Hugh Ingram
Conoco Inc.
P. O. Box 460
Hobbs, New Mexico 88240

Re: Application for SWD, Jicarilla 30 Well No. 2
Rio Arriba County, New Mexico

Dear Hugh:

Some additional data is needed before we may process the subject application. These data are as follows:

- (1) The one-half mile offset well data required by Memo 3-77 enclosed.
- (2) Water analyses, actual or inferred, for the fluid to be disposed of and the fluid in the disposal zone.

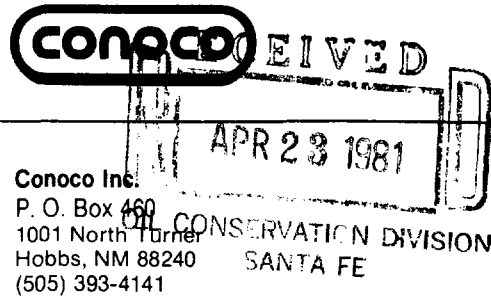
Upon receipt of the above we will proceed with the application.

Sincerely,

R. L. STAMETS
Technical Support Chief

RLS/og

Encls. 1



L. P. Thompson
Division Manager

John R. Kemp
Assistant Division Manager

Production Department
Hobbs Division
North American Production

April 20, 1981

New Mexico Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87501
Attn: Dick Stamets

Application for SWD, Jicarilla 30 No. 2, Rio Arriba County, New Mexico

Dear Dick:

Sorry to be so long in getting this back to you after your letter dated March 13. It took awhile for obtaining the water analysis. Hope the attached is sufficient. Thanks for your patience.

Very truly yours,

H. A. Ingram
Conservation Coordinator

HAI:sdls

enclosure

JICARILLA 30 NO. 2

WATER ANALYSIS

Injected Water:

	Meq/L	Mg/L
Calcium (Ca++)	9.30	186
Magnesium (Mg++)	5.20	62
Sodium (Na+)	270.46	6218
Bicarbonate (HCO ₃ -)	21.60	1317
Sulfate (SO ₄ =)	30.71	1475
Chloride (Cl-)	232.65	8250

PH 7.9

Specific Gravity 1.012

Temperature 30°C

Mesaverde Formation Water:

	Meq/L	Mg/L
Calcium (Ca++)	2.80	56
Magnesium (Mg++)	1.20	14
Sodium (Na+)	118.91	2734
Iron		28
Bicarbonate (HCO ₃)	43.19	2635
Carbonate (CO ₃ =)	not found	not found
Hydroxide (OH-)	not found	not found
Sulfate (SO ₄ -)	0.48	23
Chloride (Cl-)	79.24	2810

PH 8.2

Specific Gravity 1.005

Temperature 68°F

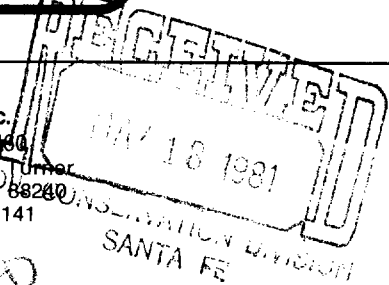
OFFSET WELL DATA

WELL NAME & NO.	CASING	SETTING		CEMENT	AMT. PULLED	TD	PRODUCING INTERVAL	LOCATION
		DEPTH						
Jicarilla 30 No. 6	8-5/8" 4-1/2"	237' 7600'	150 sk. 1255 sk.	circ. 2909'	7600'	6429'-6757' Gallup 7271'-7600' Dakota	2000' FSL & 2 Sec. 29, T-25	
Jicarilla 20 No. 2	13-3/8" 5-1/2"	111' 7202'	175 sk. 445 sk.	circ. 2696'	7237'	6860'-6980' Gallup	349' FSL & 59 Sec. 20, T-25	
Jicarilla 30 No. 1	10-3/4" 5-1/2"	250' 7500'	250 sk. 350 sk.	circ. 6100'	8715'	5171'-5432' Mesaverde SMD well	915' FNL & 33 Sec. 30, T-25	



Production Department
Hobbs Division
Western Hemisphere Petroleum Division

Conoco Inc.
P. O. Box 400
1001 North Tupper
Hobbs, NM 88240
(505) 393-4141



*See D
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May 15, 1981

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: Dick Stamets

Re: Water Analysis of the Mesaverde Formation

Dear Dick,

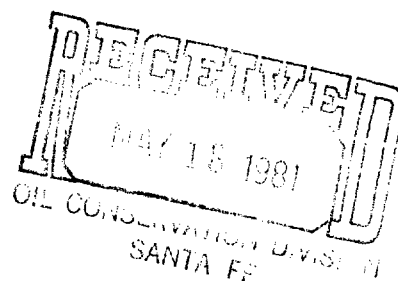
As we discussed by phone, we are sending more recent water analyses for the Mesaverde formation to support our Jicarilla 30 No. 2 application. These are from the AXI Apache N lease, which is 3-4 miles northeast of the Jicarilla 30.

Please substitute this data for that previously furnished. Sorry for the inconvenience; I appreciate your calling.

Yours very truly,

for Hugh Ingram
Conservation Coordinator

HAI:agm



JICARILLA 30 NO. 2

WATER ANALYSIS

Mesaverde Formation Water:

	Mg/L	Meq/L
Sodium (Na+)	5,311	233.7
Calcium (Ca++)	85	4.3
Magnesium (Mg++)	28	2.2
Chloride (Cl-)	7,200	201.6
Sulfate (SO ₄ =)	50	1.0
Carbonate (CO ₃ =)	30	1.0
Bicarbonate (HCO ₃ -)	2,290	36.6
Iron	10	

PH 7.7

Specific Gravity 1.012

	Mg/L	Meq/L
Sodium (Na+)	5,711	251.3
Calcium (Ca++)	185	9.3
Magnesium (Mg++)	30	2.4
Chloride (Cl-)	8,500	238.0
Sulfate (SO ₄ =)	90	1.8
Carbonate (CO ₃ =)	40	1.3
Bicarbonate (HCO ₃ -)	1,370	21.9
Iron	34	

PH 7.75

Specific Gravity 1.015

	Mg/L	Meq/L
Sodium (Na+)	5,159	227.0
Calcium (Ca++)	135	6.8
Magnesium (Mg++)	9	
Chloride (Cl-)	7,600	212.8
Sulfate (SO ₄ =)	40	0.8
Carbonate (CO ₃ =)	20	0.7
Bicarbonate (HCO ₃ -)	1,260	20.2
Iron	32	

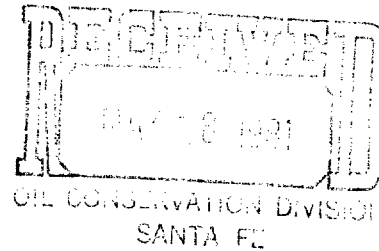
PH 7.35

Specific Gravity 1.013



POWERS ELEVATION

May 14, 1981



OIL WELL ELEVATIONS AND LOCATIONS
CHERRY CREEK PLAZA, SUITE 1201
600 SOUTH CHERRY STREET
DENVER, COLORADO 80222
PHONE NO. 303/321-2217

Mr. R.L. Stamets
Oil Conservation Commission
P.O. Box 2088
Santa Fe, New Mexico 87501

RE: Request spacing exception for:
Supron Energy Corporation
Newsom "B" 1R
NW SE Sec. 9 T26N R8W
2000' FSL & 1935' FEL
San Juan County, New Mexico

Dear Mr. Stamets:

On behalf of Supron Energy Corporation, Powers Elevation Company hereby requests a spacing exception for the above location due to topographical problems. The joint BLM/USGS on-site inspection was held May 4, 1981 and the location was approved as staked (see plats attached).

Enclosed are copies of letters sent certified mail to all offset operators giving notice of the intent of Supron Energy Corporation.

Kindly notify Powers Elevation of the decision made on this request.

Respectfully,

POWERS ELEVATION

Thomas P. Roach
Environmental Coordinator/Special Projects

TPR/mf
Enclosure

cc:

ELDERLY PEOPLE

Supron Energy Corporation

8 West San Juan Santa Fe

3-14

26 North

3 Test.

San Juan ^{SANTA FE}

2000 *Looking to the South*

1935 Letter to East

Ground Level Liev

6445'

Modeling Formulation

Pictured Cliffs

Ballard

THE NEW YORK PUBLIC LIBRARY

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1. Outline the acreage dedicated to the subject variety and percent of land ownership on the plot below.
2. If more than one lease is dedicated to the subject variety, identify the owner of plot (as to variety interest and royalty).
3. If more than one lease of different varieties is dedicated to the subject variety, have the percentage of all owners' land area dated by year, starting with the earliest year.

☐ Yes. I am a member of the following organization: _____

If answer is "no," find the errors and fix them; if you have actually been given a related USG exercise, do it (this form of redundancy) →

No allowable will be used in the well and bottom hole loss has been calculated the same situation, need not be forced-pooling or otherwise until a standard has been established such interests, has been approved by the Division.

CERTIFICATION

I hereby certify that the information furnished herein is true and complete to the best of my knowledge and belief.

Name George Lapaseotes
President, Powers Elevation

Position

Agent Consultant for

Company

Supron Energy Corporation

Water

April 29, 1981

I hereby certify that the well located shown on this plat was plotted from the notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

2. 2. 2. 2. 2.

Registered Professional Engineer
in Civil and Surveying

Certificate No. 6844

Newsom "B" -
1R

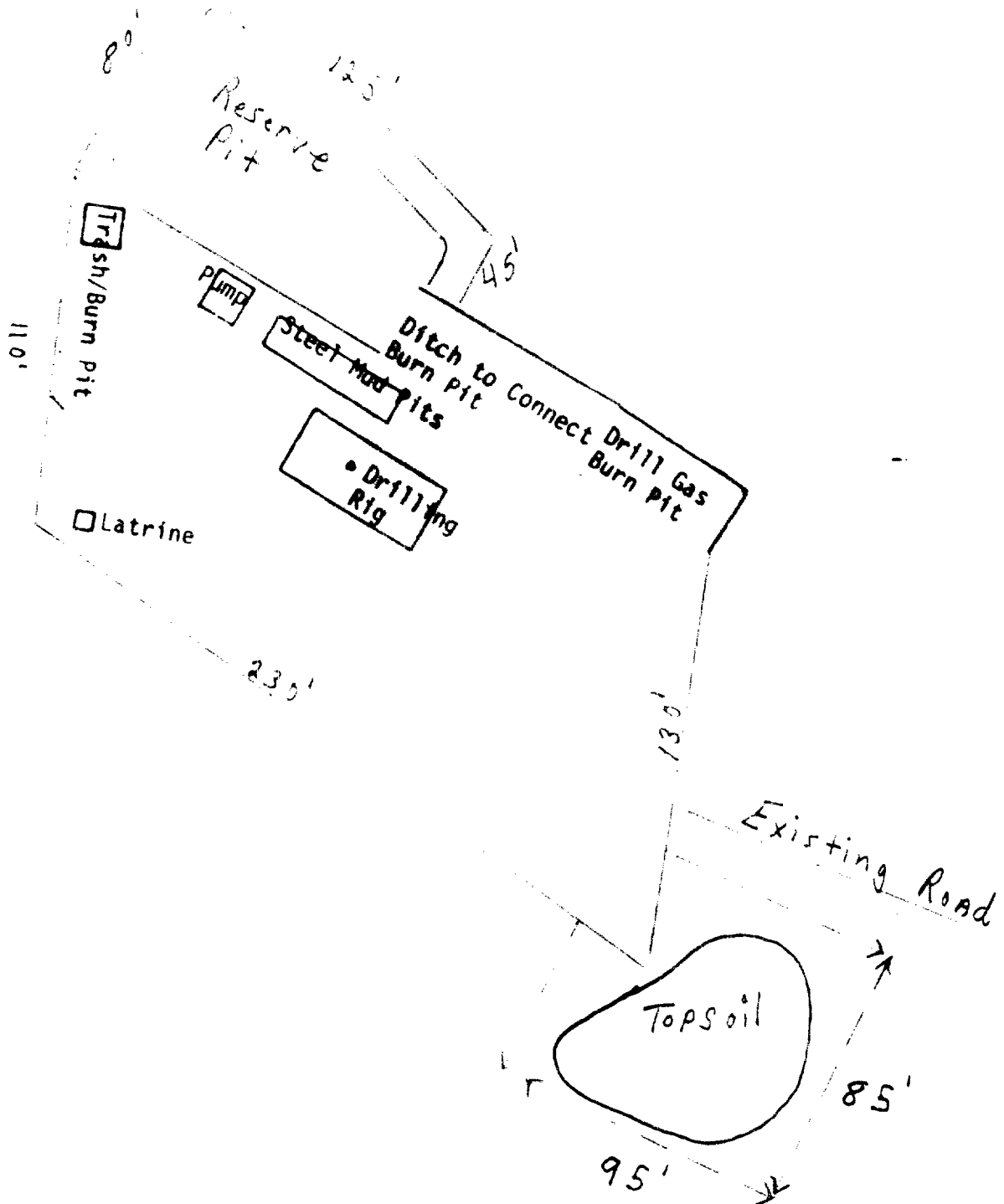
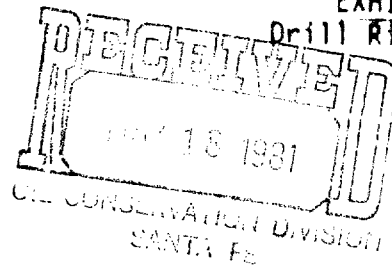
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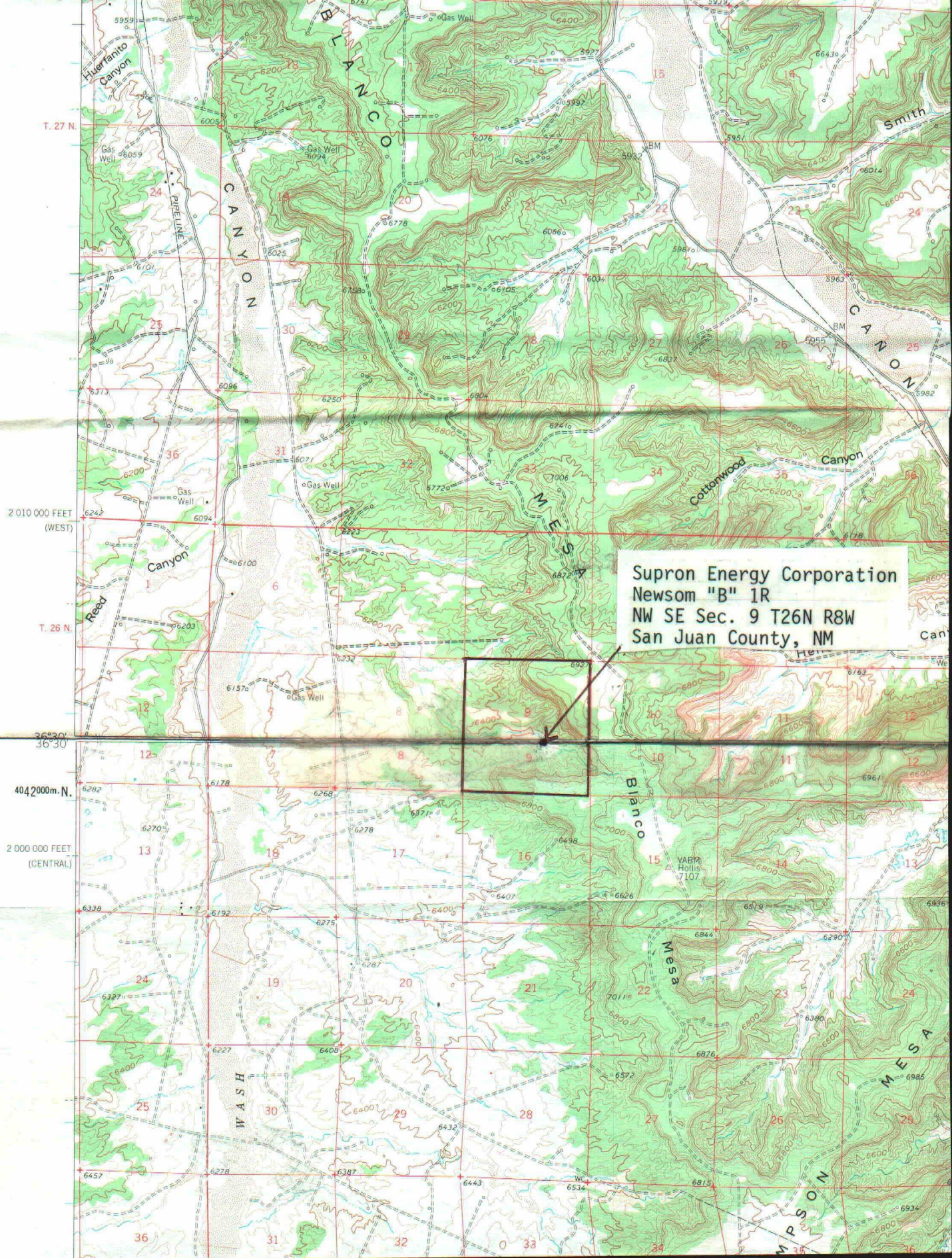
Dedicated
Acreage

Supron Energy Corporation
Newsom "B" 1R
NW SE Sec. 9 T26N R8W
San Juan County, New Mexico
POWERS ELEVATION



EXHIBIT "H"
Drill Rig Layout





Supron Energy Corporation
Newsom "B" 1R
NW SE Sec. 9 T26N R8W
San Juan County, NM