



MURPHY OPERATING CORPORATION
 UNITED BANK PLAZA, SUITE 300
 400 NORTH PENNSYLVANIA AVENUE
 POST OFFICE BOX 2648
 ROSWELL, NEW MEXICO 88202-2648

TELEPHONE
 505 623-7210

June 22, 1989

RECEIVED

RETURN RECEIPT REQUESTED

Mr. David Catanach, Engineer
 State of New Mexico
 Oil Conservation Division
 Post Office Box 2088
 Santa Fe, New Mexico 87504-2088

JUN 26 1989

OIL CONSERVATION DIV.
 SANTA FE

Re: Request for Injection Pressure Increase
 Todd Lower San Andres Unit ("TLSAU")
 Well Numbers: #29-15 and #36-1

Dear David:

Enclosed please find step rate test information on the above-referenced wells. These step rate tests were recently performed by B & D Well Testers of Hobbs, New Mexico.

Murphy Operating Corporation respectfully requests that said injection pressure limits for these wells be increased to 50 psi less than the indicated fracture pressure. The well numbers, locations, pressure limits as previously approved, and indicated fracture pressure are listed below.

<u>Well Number/Location</u>	<u>Previously Approved Limits</u>	<u>Indicated Fracture Pressure</u>
Well #29-15 Unit O, Section 29 T7S-R36E	853 psig	1150 psig
Well #36-1 Unit A, Section 36 T7S-R35E	847 psig	1210 psig

Thank you for your cooperation in this regard. If you should have any questions concerning this request, please do not hesitate to contact me at the number listed above.

Sincerely,

MURPHY OPERATING CORPORATION

Mark B. Murphy (Sons)

Mark B. Murphy
 President and Chief Operating Officer

MBM/js

Enclosures: Tabulated step rate test information for Well(s) #29-15 and #36-1.
 Pressure versus Rate Graph(s) for Well(s) #29-15 and #36-1.

cc: Mr. Jerry Sexton, Supervisor
 Oil Conservation Division
 Post Office Box 1980
 Hobbs, New Mexico 88240

B & D WELL TESTERS

Step Rate Test

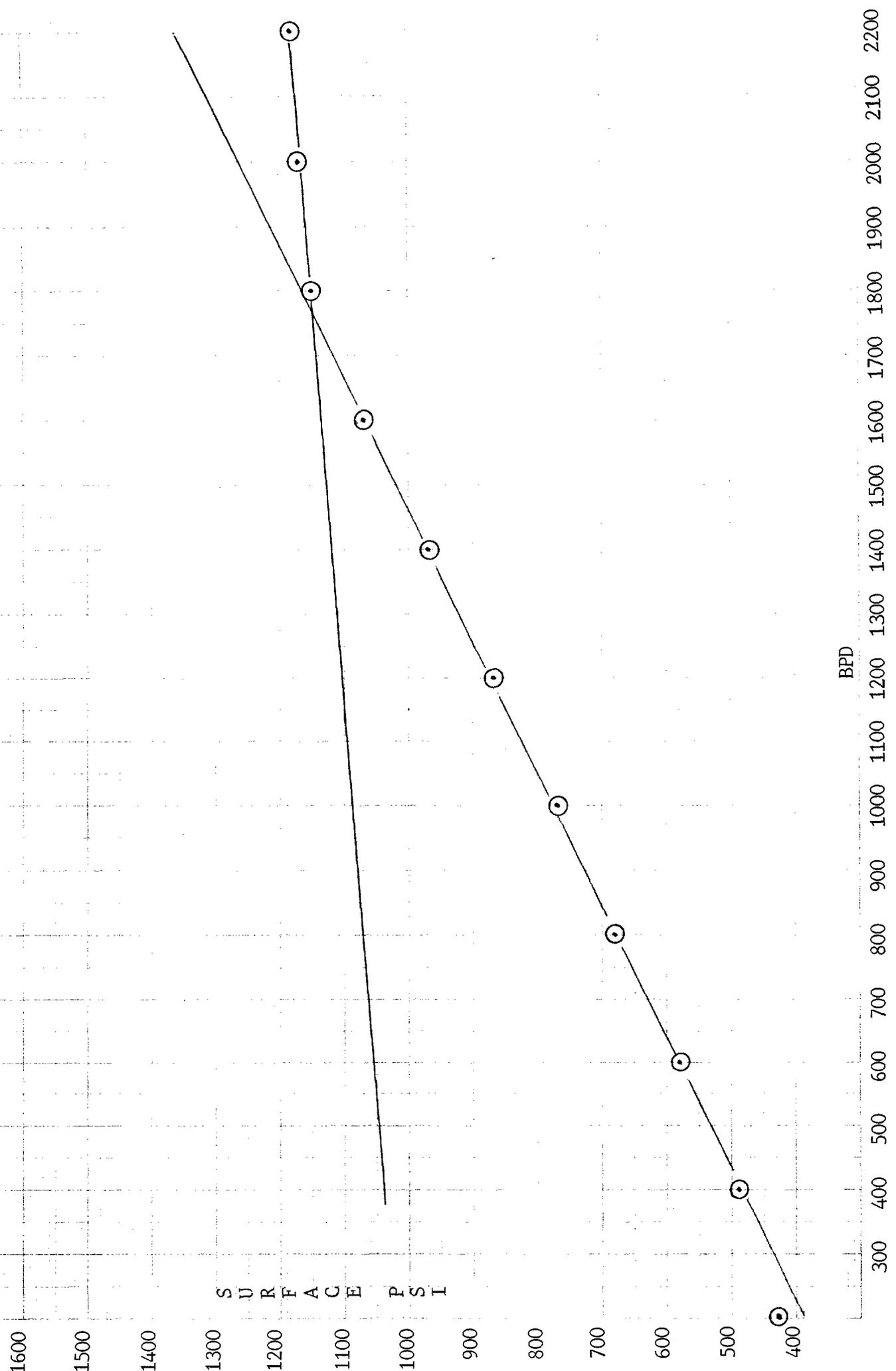
Phone (505) 397-3914

Hobbs, New Mexico 88240

Company Murphy Operating	Test Date 5-13-89	Unit Lease Todd Lower San Andres
Total Depth	Plug Back TD	Elevation
Csg size	Wt	d
Tbg size 2 3/8	Wt	d
Set at		Perfs: From To
Set at		Perfs: From To
Producing thru		Packer set at
Well # 29-15		Sec 29 Twp-Blk 7S Rge 36E
County Roosevelt		State New Mexico
Co. Rep		

Time of Reading	Elap Time Hrs.	Well Information					Remarks
		Rate BBLS Per Day	Total BBLS Per Rate	Surface PSIG	Surface PSI Cor for Friction	BHP	
4:40	Shut in			410			
4:45	Start						
4:50		200		430			
4:55		200		430			
5:00	:15	200		430			
5:05		400		480			
5:10		400		490			
5:15	:30	400		490			
5:20		600		550			
5:25		600		570			
5:30	:45	600		580			
5:35		800		650			
5:40		800		660			
5:45	1:00	800		680			
5:50		1000		740			
5:55		1000		760			
6:00	1:15	1000		770			
6:05		1200		830			
6:10		1200		850			
6:15	1:30	1200		870			
6:20		1400		910			
6:25		1400		940			
6:30	1:45	1400		970			
6:35		1600		1020			
6:40		1600		1050			
6:45	2:00	1600		1070			Parting PSI appears to be 1150
6:50		1800		1120			
6:55		1800		1140			
7:00	2:15	1800		1150			

Murphy Operating Todd Lower San Andres 29-15 5-13-89



S U R F A C E P S I

BPD

B & D WELL TESTERS

Step Rate Test

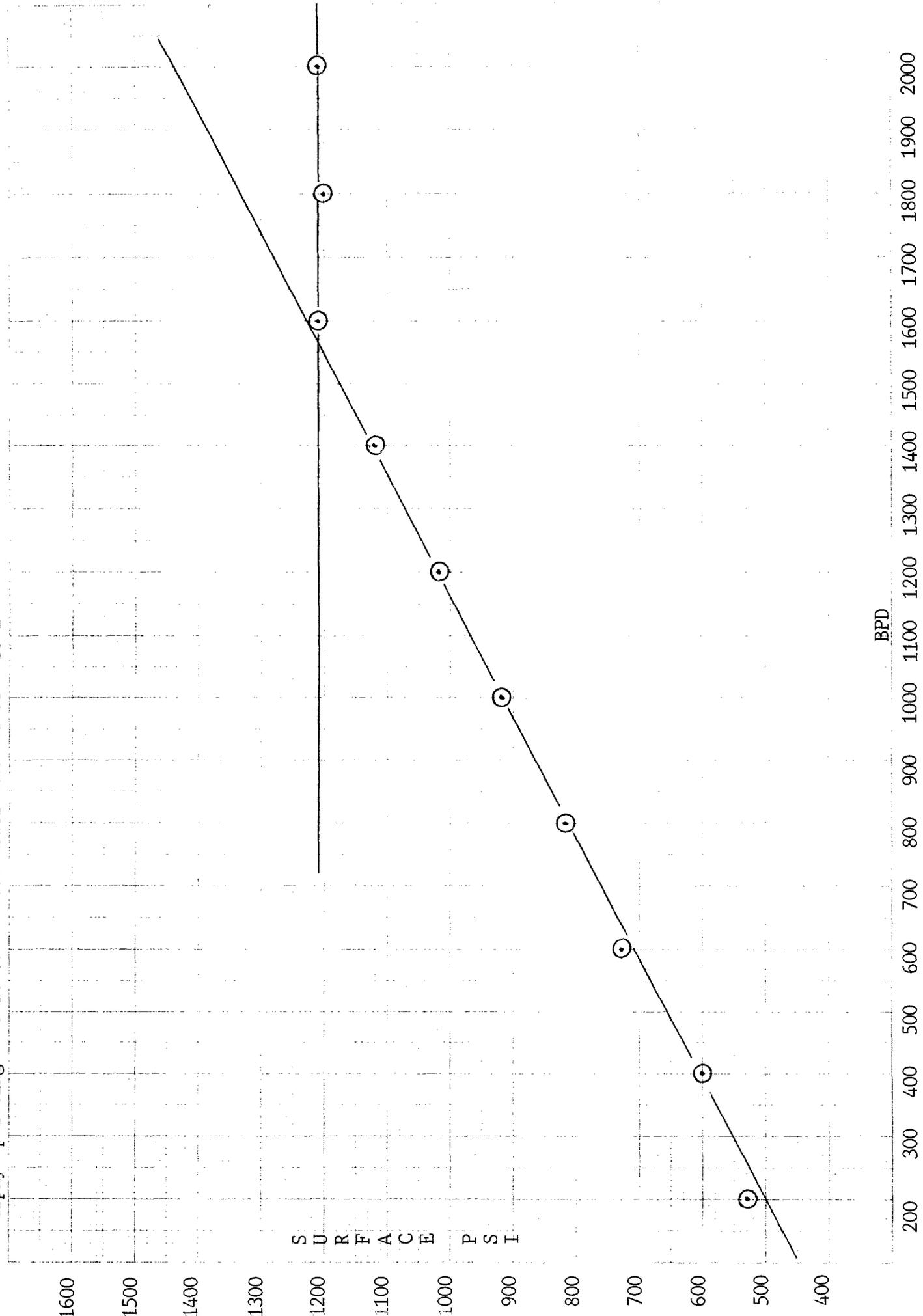
Phone (505) 397-3914

Hobbs, New Mexico 88240

Company Murphy Operating	Test Date 5-13-89	Unit Lease Todd Lower San Andres
Total Depth	Plug Back TD	Elevation
Well # 36-1		
Csg size	Wt	d
Set at		Perfs: From To
Sec 36 Twp-Blk 7S Rge 35S		
Tbg size 2 3/8	Wt	d
Set at		Perfs: From To
Count Roosevelt State New Mexico		
Producing thru	Packer set at	
Co. Rep		

Time of Reading	Elap Time Hrs.	Well Information					Remarks
		Rate BBLs Per Day	Total BBLs Per Rate	Surface PSIG	Surface PSI Cor for Friction	BHP	
1:25	Shut in			480			
1:30	Start						
1:35		200		510			
1:40		200		520			
1:45	:15	200		530			
1:50		400		570			
1:55		400		580			
2:00	:30	400		600			
2:05		600		670			
2:10		600		700			
2:15	:45	600		730			
2:20		800		780			
2:25		800		800			
2:30	1:00	800		820			
2:35		1000		870			
2:40		1000		900			
2:45	1:15	1000		920			
2:50		1200		980			
2:55		1200		1000			
3:00	1:30	1200		1020			
3:05		1400		1090			
3:10		1400		1110			
3:15	1:45	1400		1120			
3:20		1600		1180			
3:25		1600		1200			Parting PSI apperars to be 1210
3:30	2:00	1600		1210			
3:35		1800		1230			
3:40		1800		1200			
3:45	2:15	1800		1200			

Murphy Operating 5-13-89 Todd Lower San Andres 36-1





STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
 OIL CONSERVATION DIVISION
 HOBBS DISTRICT OFFICE
 June 26, 1989

GARREY CARRUTHERS
 GOVERNOR

POST OFFICE BOX 1980
 HOBBS, NEW MEXICO 88240
 (505) 393-6161

OIL CONSERVATION DIVISION
 P.O. BOX 2088
 SANTA FE, NEW MEXICO 87504-2088

RE: APPLICATION FOR PRESSURE LIMIT INCREASE FOR DISPOSAL & INJECTION WELLS

Gentlemen:

I have examined the step rate test for the:

Murphy Operating Corp.	Todd Lower SA Unit #29-15-0	29-7-36
Operator	Lease & Well No. Unit	S-T-R

and my recommendations are as follows:

OK

Very truly yours

Jerry Sexton
 Supervisor, District I

/bp



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
 OIL CONSERVATION DIVISION
 HOBBS DISTRICT OFFICE

June 26, 1989

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 HOBBS, NEW MEXICO 88240
 (505) 393-6161

OIL CONSERVATION DIVISION
 P.O. BOX 2088
 SANTA FE, NEW MEXICO 87504-2088

RE: APPLICATION FOR PRESSURE LIMIT INCREASE FOR DISPOSAL & INJECTION WELLS

Gentlemen:

I have examined the step rate test for the:

Murphy Operating Corp.	Todd Lower SA Unit	#36-1-A	36-7-35
Operator	Lease & Well No.	Unit	S-T-R

and my recommendations are as follows:

OK

Very truly yours

Jerry Sexton
 Supervisor, District I

/bp

RECEIVED
 JULY 19 1989
 OIL CONSERVATION DIVISION
 HOBBS, NEW MEXICO