



Union Texas  
Petroleum

P. O. Box 1290  
Farmington, NM 87499  
Telephone (505) 325-3587

September 17, 1984

Oil Conservation Division  
Joe D. Ramey  
Director  
P.O. Box 2088  
Santa Fe, New Mexico 87501-2088

Reference: Newsom B #7E  
1750' FSL; 1810' FWL  
Section 8, T26N-R8W  
San Juan County, New Mexico

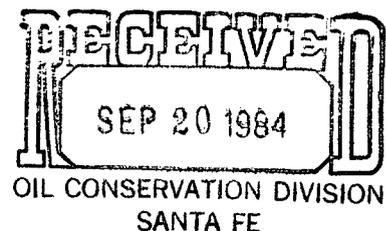
Dear Mr. Ramey:

Union Texas Petroleum Corporation is applying for a downhole commingling order for the referenced well in the Basin Dakota and Undesignated Gallup fields. The ownership of the zones to be commingled are common. Offset operators are Southern Union, Tenneco, and El Paso Natural Gas Company. The Bureau of Land Management and these offset operators will receive notification of this proposed downhole commingling.

The Dakota zone is perforated with 48 holes from 6468 ft. to 6688 ft., the Gallup from 5634 ft. to 6430 ft. with 55 holes. Each zone has been hydraulically fractured to stimulate production. The well was initially completed as a dual completion in April 1984.

After the initial packer leakage tests, further tests indicated the two zones were communicated down hole. The production packer seal assembly was pulled and inspected; a treating packer was set near the production packer; an injectivity test on the Dakota zone indicated the Dakota and Gallup zones are communicated behind pipe. Remedial cementing would risk irreparable damage to the Gallup and Dakota zones and significantly reduce ultimate recovery.

The fluids from each zone have been tested and found compatible with no precipitates formed to cause damage to either reservoir. The API gravity for the Dakota is 48.6° and for the Gallup is 44.7°. The bottom hole pressure for the Dakota is 1900 psi and the Gallup is 1600 psi.



Joe D. Ramey  
Request for Downhole Commingle  
Newsom B #7E  
Page 2

The petroleum engineer responsible for this well, Gilmer Mickey, has talked to the District Supervisor in Aztec about this situation. Frank Chavez recommended, and Gilmer Mickey agreed, that Union Texas Petroleum should apply for an administrative downhole commingling order.

The Division Aztec District office will be notified anytime the commingled well is shut if for seven (7) consecutive days.

To allocate the commingled production to each of the zones, Union Texas Petroleum Corporation will consult with the District Supervisor of the Aztec District office of the Division to determine an allocation formula for each of the production zones.

Included with this letter is a plat showing ownership of offsetting leases, letters to offset operators, wellbore diagram, production curves for the referenced well and production curves for offsetting wells Newsom B #7 and Starr #5.

Yours truly,

UNION TEXAS PETROLEUM CORPORATION

*J. A. Edmister*  
J. A. Edmister  
Engineering Analyst

JAE:ljm  
cc: Oil Conservation Division-Aztec  
Bureau of Land Management



Union Texas  
Petroleum

P. O. Box 1290  
Farmington, NM 87499  
Telephone (505) 325-3587

September 17, 1984

El Paso Natural Gas Company  
P.O. Box 990  
Farmington, NM 87499

Gentlemen:

Union Texas Petroleum Corporation is in the process of applying for a downhole commingling order for their Newsom B #7E well located 1750' FSL; 1810' FWL in Section 8, Township 26 North, Range 8 West, N.M.P.M., San Juan County, New Mexico, in the Basin Dakota and Undesignated Gallup.

The purpose of this letter is to notify you of such action, as our records indicate that you are the owner and operator of acreage which adjoins the area in which the downhole commingling is requested. If you have no objections to the proposed downhole commingling order, we would appreciate your signing the attached copy of this letter and return same to this office.

Your prompt attention to this matter would be appreciated.

Yours truly,

UNION TEXAS PETROLEUM CORPORATION

A handwritten signature in cursive script that reads 'J.A. Edmister'.

J.A. Edmister  
Engineering Analyst

JAE:ljm

The above downhole commingling request  
is hereby approved:

\_\_\_\_\_  
Date: \_\_\_\_\_



Union Texas  
Petroleum

P. O. Box 1290  
Farmington, NM 87499  
Telephone (505) 325-3587

September 17, 1984

Southern Union Exploration  
P.O. Box 2179  
Farmington, New Mexico 87499

Gentlemen:

Union Texas Petroleum Corporation is in the process of applying for a downhole commingling order for their Newsom B #7E well located 1750' FSL; 1810' FWL in Section 8, Township 26 North, Range 8 West, N.M.P.M., San Juan County, New Mexico, in the Basin Dakota and Undesignated Gallup.

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UNION TEXAS PETROLEUM CORPORATION

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J.A. Edmister  
Engineering Analyst

JAE:ljm

The above downhole commingling request  
is hereby approved:

\_\_\_\_\_  
Date: \_\_\_\_\_



Union Texas  
Petroleum

P. O. Box 1290  
Farmington, NM 87499  
Telephone (505) 325-3587

September 17, 1984

Tenneco, Incorporated  
601 S. Willow Drive  
Englewood, Colorado 80111

Gentlemen:

Union Texas Petroleum Corporation is in the process of applying for a downhole commingling order for their Newsom B #7E well located 1750' FSL; 1810' FWL in Section 8, Township 26 North, Range 8 West, N.M.P.M., San Juan County, New Mexico, in the Basin Dakota and Undesignated Gallup.

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UNION TEXAS PETROLEUM CORPORATION

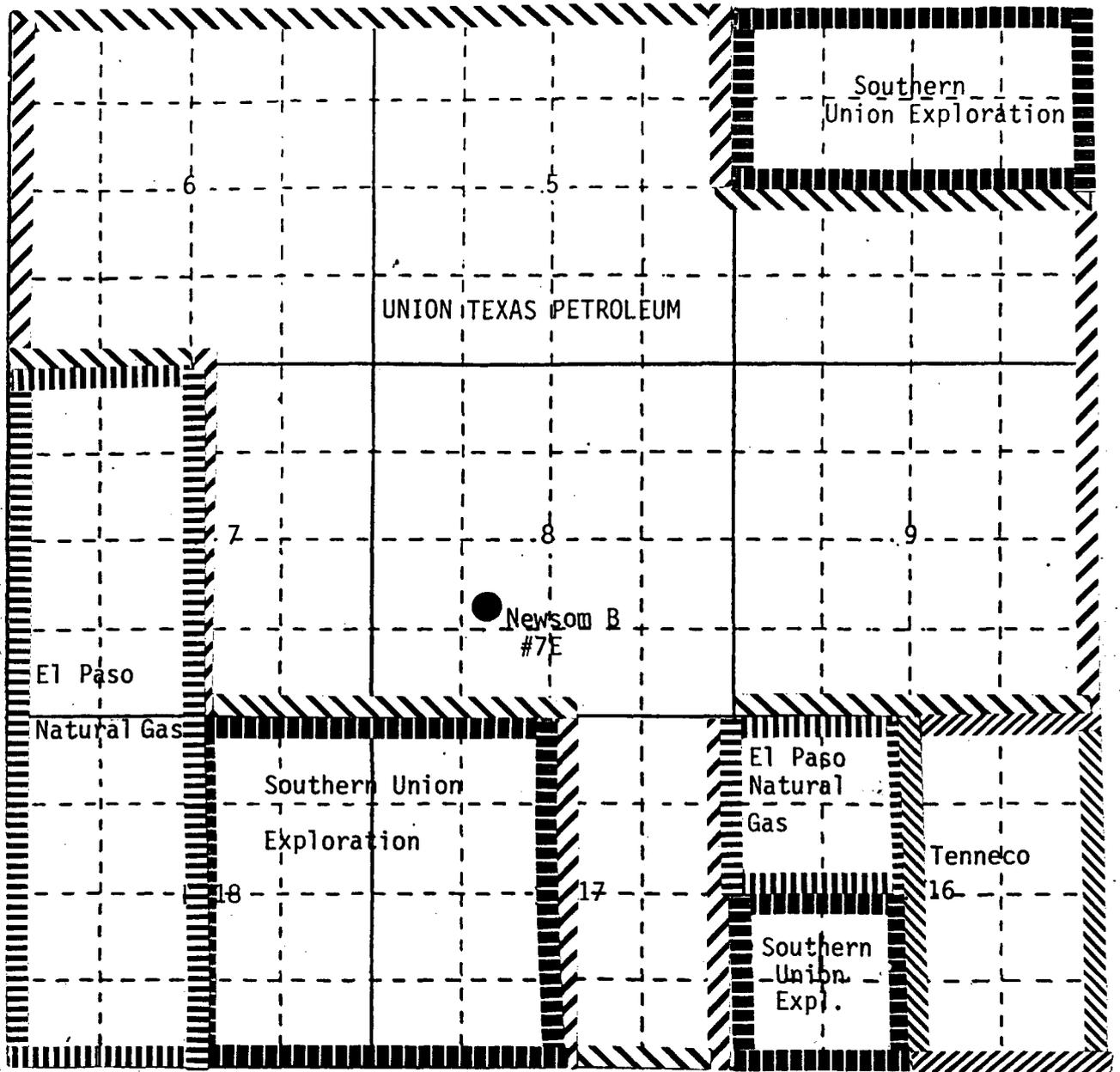
A handwritten signature in cursive script that reads 'J. A. Edmister'.

J.A. Edmister  
Engineering Analyst

JAE:ljm

The above downhole commingling request  
is hereby approved:

\_\_\_\_\_  
Date: \_\_\_\_\_



**UNION TEXAS PETROLEUM CORP.  
WELLBORE DIAGRAM**

WELL NAME Newsom B #7E

LOCATION 1750' FSL; 1810' FWL SECTION 8 T 26N R 8W

COUNTY San Juan STATE New Mexico LEASE Basin Dakota/Wildcat Gallup Dual

GLE 6350'  
KBE 6362'  
KB 12'

**SURFACE CASING**

Hole size: 13-3/4" to 362'  
Casing: 9-5/8" 36# K-55 ST & C &LT & K  
Casing set @ 355 KBE  
Top of Cement: Circulate to Surface

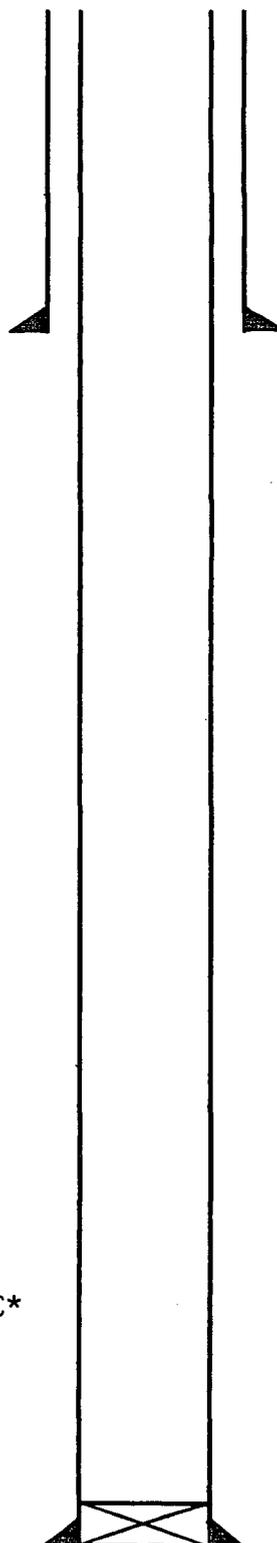
**FORMATION TOPS**

Ojo Alamo	<u>1055'</u>
Kirtland Shale	<u>1452'</u>
Pictured Cliffs	<u>2103'</u>
Lewis Shale	<u>2223'</u>
Chacra	<u>2994'</u>
Cliffhouse	<u>3669'</u>
Point Lookout	<u>4402'</u>
Mancos Shale	<u>4731'</u>
Gallup	<u>5632'</u>
Greenhorn	<u>6385'</u>
Graneros	<u>6471'</u>
Dakota	<u>6539'</u>

**PRODUCTION CASING**

Hole size: 8-3/4" to 6820'  
Casing: 7" L-80 & K-55, 26 & 23#, LT & C\*  
Casing set @ 6823' w/1300 sx  
Top of Cement: 3rd stage circulate

\*42 joints 7" 26# L-80 (on bottom)  
117 joints 7" 23# K-55 (on top)



**WELL HISTORY**

Spud date: 11/11/83  
Original owner: UNICON (UTPC)  
IP: MCFD          BOPD          BWPD           
GOR           
Completion         

**CURRENT DATA**

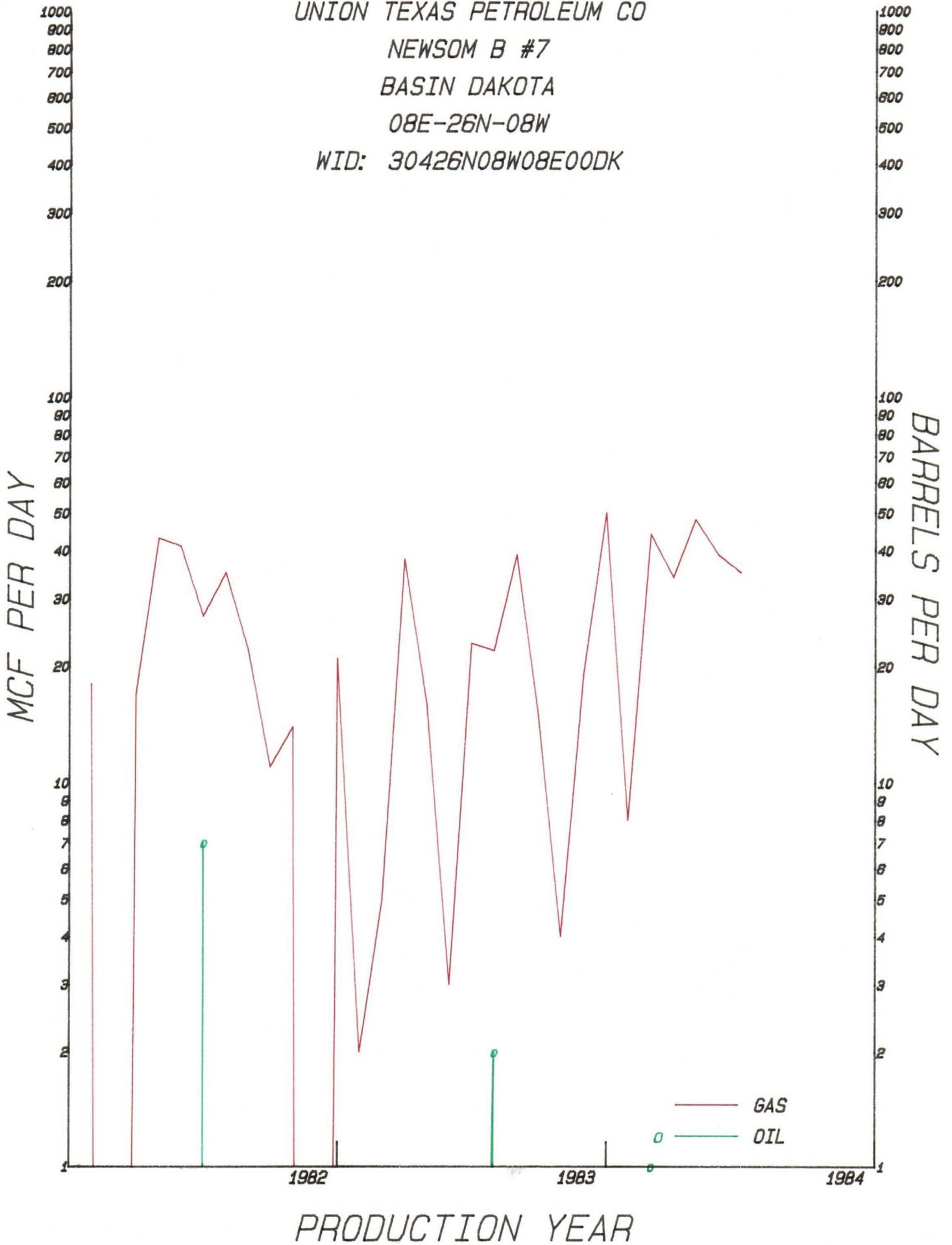
Pumping Unit:           
Tubing:           
Pump size:           
Rod string:           
Wellhead:           
Remarks:           
Stage Tools at 4756' & 2493'

**PERFORATIONS**

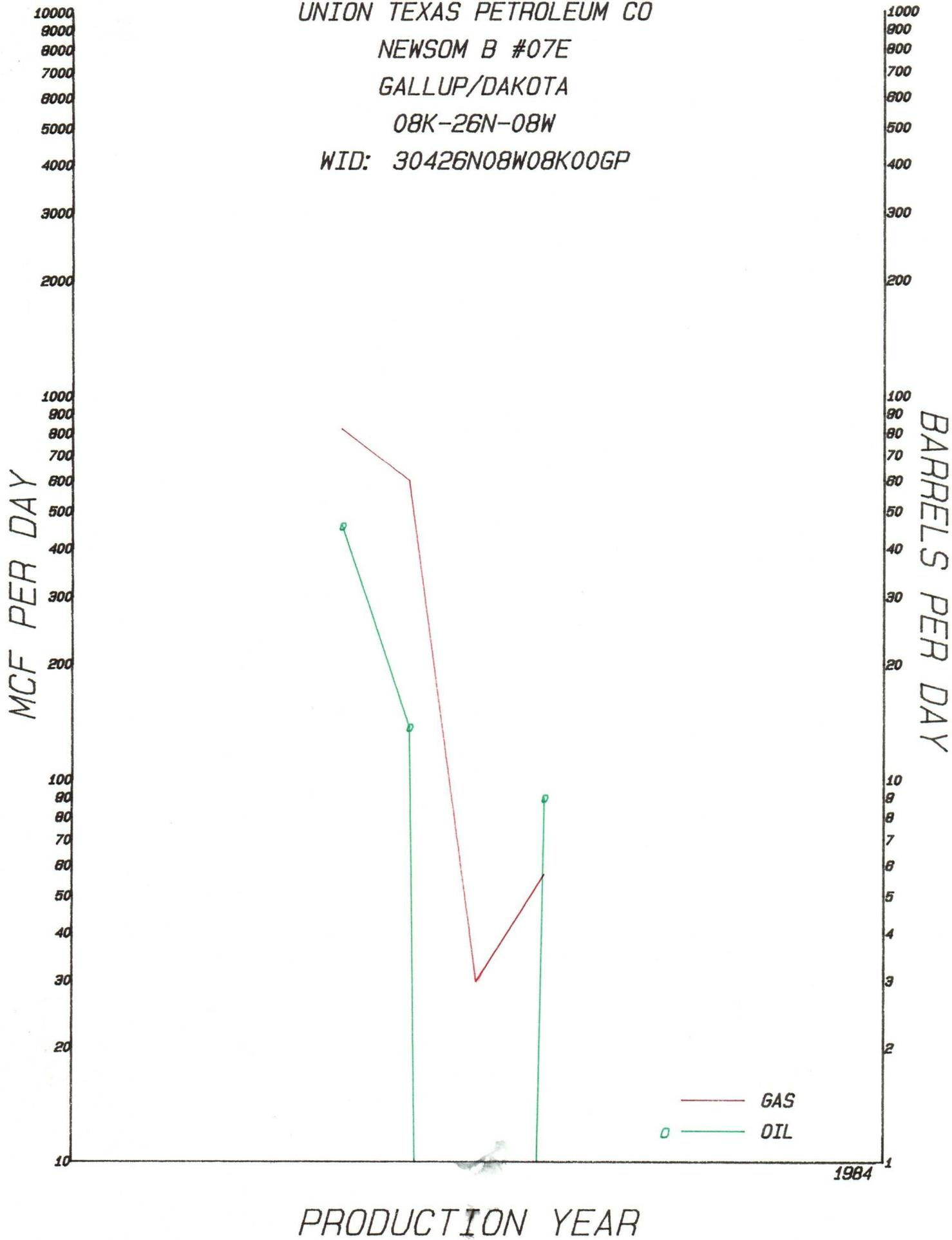
Upper Gallup: 5634-5744 20 holes  
Lower Gallup: 5796-6091 20 holes  
Greenhorn: 6311-6430 16 holes  
Graneros: 6418-42 (9 holes)  
Dakota: 6538-6728 (44 holes)  
Date of Last Revision:         

PBTD 6790'  
TD 6820'

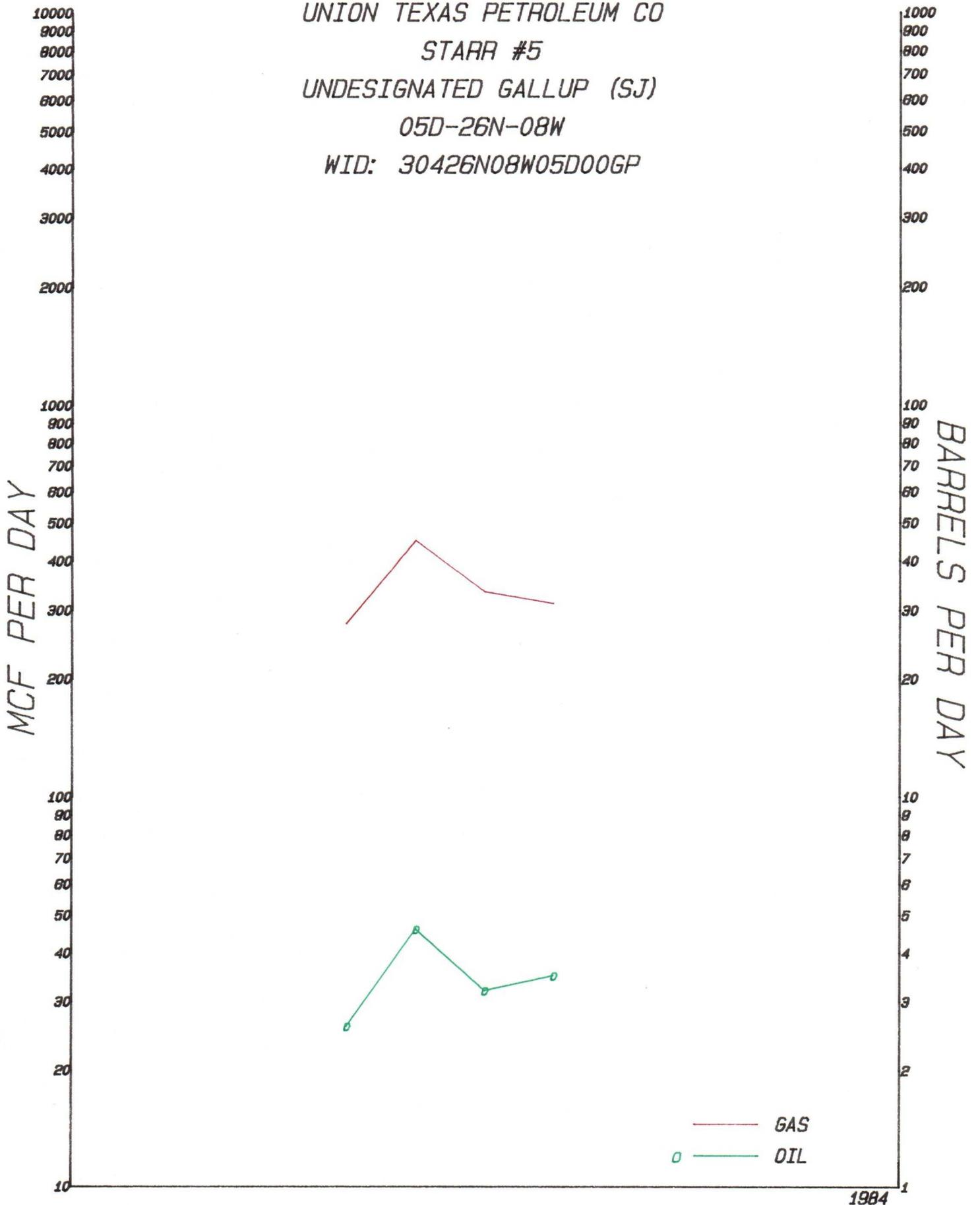
UNION TEXAS PETROLEUM CO  
NEWSOM B #7  
BASIN DAKOTA  
08E-26N-08W  
WID: 30426N08W08E00DK



UNION TEXAS PETROLEUM CO  
NEWSOM B #07E  
GALLUP/DAKOTA  
08K-26N-08W  
WID: 30426N08W08K00GP



UNION TEXAS PETROLEUM CO  
STARR #5  
UNDESIGNATED GALLUP (SJ)  
05D-26N-08W  
WID: 30426N08W05D00GP



PRODUCTION YEAR

1984



# CEMENT BOND LOG

## Computer Laser

FILING NO.	COMPANY	UNION TEXAS PETROLEUM CORP.		
	WELL	NEWSOM B-7F		
	FIELD	BASIN DAKOTA		
	COUNTY	SAN JUAN	STATE	NEW MEXICO
	LOCATION	SEC. 8 TWP. 26N RGE. 3W		OTHER SERVICES

Permanent Datum	GROUND LEVEL	Elev. 6350	ELEV. KB	6350
Log Measured From	E.K.D.	12 Ft. Above Perm. Datum	DF	6361
Drilling Measured From	E.K.D.		GL	6350

DATE	12/22/83
RUN NO.	ONE
TYPE LOG	CBL-WDL-DCL-ET-STGN.
DEPTH - DRILLER	6790
DEPTH - LOGGER	6777
Bottom Logged Interval	6777
Top Logged Interval	4500
TYPE FLUID IN HOLE	H <sub>2</sub> O
SALINITY, PPM CL.	
DENSITY LEVEL	GROUND
MAX. REC. TEMP. DEG. F.	
OPERATING RIG TIME	2 HOURS
RECORDED BY	S. BUCKINGHAM
WITNESSED BY	MR. HENSON

RUN	BORE - HOLE RECORD			CASING RECORD		
ONE	8 3/4			7	26#	SURE 6790

CEMENTING DATA		SURFACE STRING	PRODUCTION STRING	LINER
DATE CEMENTED				
CEMENT VOLUME			300 SACS	300 SACS
CEMENT TYPE		50/50 POS	65/35 POS	65/35 POS
ADDITION	%			
RETARDER	%			
SLURRY WT.	LOSS SLURRY WATER			

**EQUIPMENT DATA**

GENERAL      REFERENCE LITERATURE

HOIST TRUCK NO.	D-4	REMARKS	
INSTRUMENT	C		
TOOL SERIAL	C-B		
CREW	C-2		

**INSTRUMENT DATA**

	RUN 1				RUN 2			
	GR	AMP	Δ T	VDL	GR	AMP	Δ T	VDL
SERIAL NO.	COMP.	COMP.	COMP.	COMP.				
TOOL NO.	B							
DIAMETER	2 1/8"	2 1/8"	2 1/8"	2 1/8"				
DETECTOR NO.								
TYPE	SCINT							
LENGTH	4"							
PANEL NO.	S	S	S	S				
SENS.		2.54	0.71					
T.C.	3							
LOGGING SPEED	30							
BACKGROUND CPS								
CALIBRATION CPS	100							
DELAY		E1						
WIDTH		E1						
GAIN		0.9		0.78				
ZERO	1.51							
T-R SPACING								
UNITS/DIV.								
STAND OFF SIZE								

**GAMMA RAY**  
IN COUNTS PER SECOND

0	FIRST SWEEP	50
50	SECOND SWEEP	100

Casing Collars

**DEPTH AND MINUTE MARKERS**

0      50

AMPLITUDE (MIV.)

PERCENT BOND INCREASES

Δ T TOTAL (N.S.)      200

100-90 →

90-70 →

70-0 →

**WAVE TRAIN DISPLAY**

Z - AXIS LOG

200      1200

TIME INCREASES (MICROSECONDS)

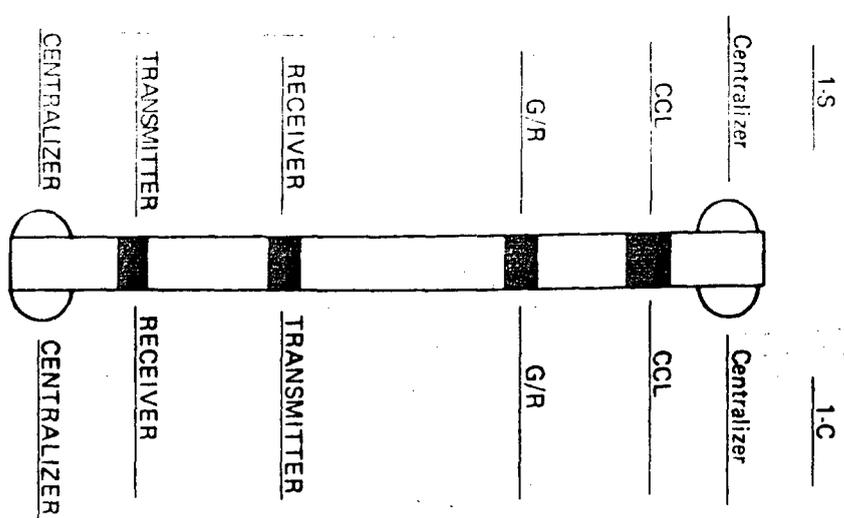
**FULL WAVE SIGNATURE**

OR

**HALF WAVE SIGNATURE**

0      1000

TIME INCREASES (MICROSECONDS)





Union Texas  
Petroleum

P. O. Box 1290  
Farmington, NM 87499  
Telephone (505) 325-3587



October 17, 1984

Oil Conservation Division  
P.O. Box 2088  
Santa Fe, NM 87510

Re: Newsom B #7E  
K-8-26N-R8W

Dear Mr. Catanach:

Here is a copy of the cement bond log for the referenced well. Gilmer said he had sent one after he talked to you last time, but who knows about the mail. If you need anything else, give us a call. We will be glad to help.

Yours truly,

*Jeffrey A. Edmister*  
Jeffrey A. Edmister  
Engineering Analyst

JAE:svr



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6178

OIL CONSERVATION DIVISION  
BOX 2088  
SANTA FE, NEW MEXICO 87501

DATE Sept. 21, 1984

RE: Proposed MC \_\_\_\_\_  
Proposed DHC a \_\_\_\_\_  
Proposed NSL \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed WFX \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

Gentlemen:

I have examined the application dated Sept 19, 1984  
for the Umar Petroleum Corp. Newman #5E 12-8-26N-8W  
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours truly,

Frank D. Long

RECEIVED  
SEP 27 1984  
OIL CONSERVATION DIVISION  
SANTA FE

