

Box 1980  
Albuquerque, NM 88241-1980  
First  
Albuquerque, NM 88210  
Rio Brazos Road  
Albuquerque, NM 87410

New Mexico  
Energy Minerals and Natural Resources Department  
Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

Form C-140  
Originated 11/1/95

Submit Original:  
Plus 2 Copies  
to appropriate  
District Office

14-0468 9/1/98

APPLICATION FOR  
QUALIFICATION OF WELL WORKOVER PROJECT  
AND CERTIFICATION OF APPROVAL

THREE COPIES OF THIS APPLICATION AND ALL ATTACHMENTS MUST BE FILED WITH THE APPROPRIATE DISTRICT OFFICE OF THE OIL CONSERVATION DIVISION.

- I. Operator: CHEVRON U.S.A., INC. OGRID #: 4323  
Address: P.O. BOX 1150 MIDLAND, TX 79702  
Contact Party: MICHAEL VILLALVA Phone: (915) 687-7262
- II. ✓ Name of Well: EUNICE MONUMENT SOUTH UNIT #412 API #: 30-025-04675  
Location of Well: Unit Letter L, 1980 Feet from the South line and 990 feet from the West line,  
Section 18, Township 21S, Range 36E, NMPM, Lea County
- III. ✓ Date Workover Procedures Commenced: 05/19/97  
Date Workover Procedures were Completed: 05/21/97
- IV. ✓ Attach a description of the Workover Procedures undertaken to increase the production from the Well.
- V. ✓ Attach an estimate of the production rate of the Well (a production decline curve or other acceptable method, and table showing monthly oil and/or gas Project Production) based on at least twelve (12) months of established production which shows the future rate of production based on well performance prior to performing Workover.
- VI. ✓ Pool(s) on which Production Projection is based:

EUNICE MONUMENT GRAYBURG SAN ANDRES

VII. AFFIDAVIT:

State of TEXAS )  
County of MIDLAND ) ss.

J.K. RIPLEY, being first duly sworn, upon oath states:

1. I am the Operator or authorized representative of the Operator of the above referenced Well.
2. I have made, or caused to be made, a diligent search of the production records which are reasonably available and contain information relevant to the production history of this Well.
3. To the best of my knowledge, the data used to prepare the Production Projection for this Well is complete and accurate and this projection was prepared using sound petroleum engineering principles.

J.K. Ripley  
(Name)

T.A.  
(Title)

mfp

SUBSCRIBED AND SWORN TO before me this 30th day of April, 1998

MAGGIE M. BERMEA  
MY COMMISSION EXPIRES  
July 30, 2001

Maggie M. Bermea  
Notary Public for State of Texas

My Commission expires: July 30, 2001

FOR OIL CONSERVATION DIVISION USE ONLY:

VIII. CERTIFICATION OF APPROVAL:

This Application for Qualification of Well Workover Project is hereby approved and the above referenced Well is designated as a Well Workover Project pursuant to the "Natural Gas and Crude Oil Production Incentive Act" (Laws 1995, Chapter 15, Sections 1 through 8). The Oil Conservation Division hereby verifies the Production Projection for the Well Workover Project attached to this application. By copy of this Application and Certification of Approval, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project has been completed as of 5-21-, 1997

Paul E. Kraft  
District Supervisor, District 1  
Oil Conservation Division

Geologist

Date: 5/4/98

IX. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT.

DATE: \_\_\_\_\_

Eunice Monument South Unit # 412

Grayburg Formation

March 12, 1997

**Recommended Procedure: Acidize**

**All fluids, excluding produced water that will come into contact with the formation, must contain NE-13.**

One week prior to the stimulation, clean the well up with hot water containing a paraffin dispersing agent.

1. MIRU PU. NDWH. NUBOP. POOH w/ production equipment.
2. GIH w/ pkr and set at 3760+/-.
3. MIRU BJ Services.
4. Pickle the tbq. w/ 300 gallons 15% HCl acid.
5. Stimulate the well with a treatment size of 1500 gallons Resi-sol II+\* (80% acid, 20% aromatic solvent).

| Treatment Volume (gallons) | Acid Volume (gallons) | Aromatic Solvent (gallons) | Number of Stages | Total Volume per Stage | Flush Volume (bbls) | Rate (BPM) | Max STP (psig) |
|----------------------------|-----------------------|----------------------------|------------------|------------------------|---------------------|------------|----------------|
| 1500                       | 1200                  | 300                        | 3                | 500                    | 27                  | 1-4        | 1250           |

- a. Pump 500 gal Resi-sol II+\*.
  - b. Drop 250#-500# Tri-mix salt with ~10 bb GBW.
  - c. Pump 500 gal Resi-sol II+\*.
  - d. Drop 250#-500# Tri-mix salt with ~10 bb GBW depending upon the pressure response from step a.
  - e. Pump 500 gal Resi-sol II+\*.
  - f. Flush w/ 27 bbls BW.
6. RD BJ Services.
  7. POOH w/ treating pkr.
  8. RIH w/ production Equipment. RDMO PU.
  9. Turn well over to production. Report results to Midland Office and field engineer.

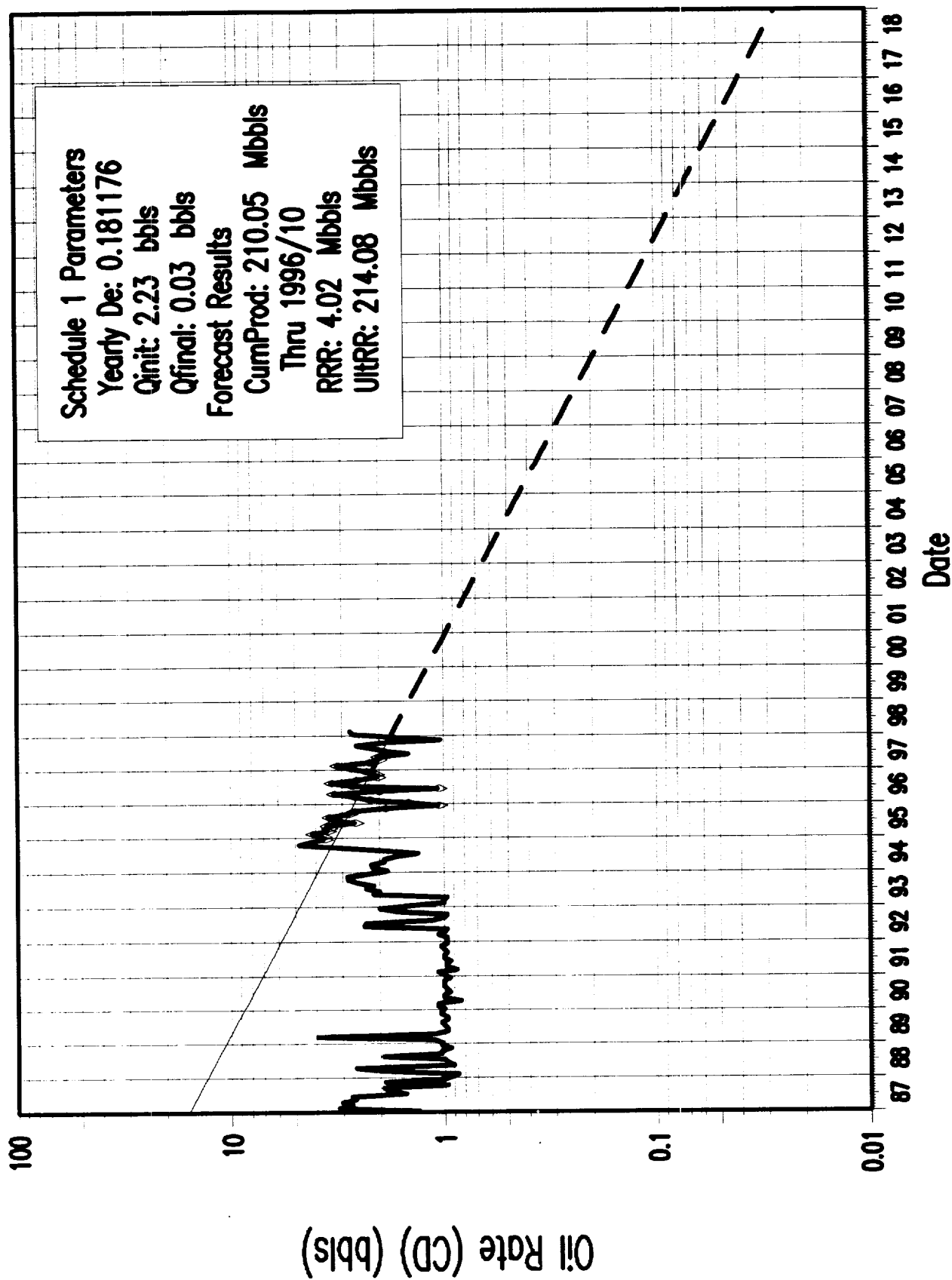
\*Resi-sol II- to contain:

- 800 gpt 15% HCl
- 200 gpt Toluene
- 20 gpt Emulsifier
- 3 gpt FERROTROL-270 (Taper starting w/ this concentration)
- 1 gpt FERROTROL-271
- 0.5 gpt Inflo-150
- 1 gpt CI-25

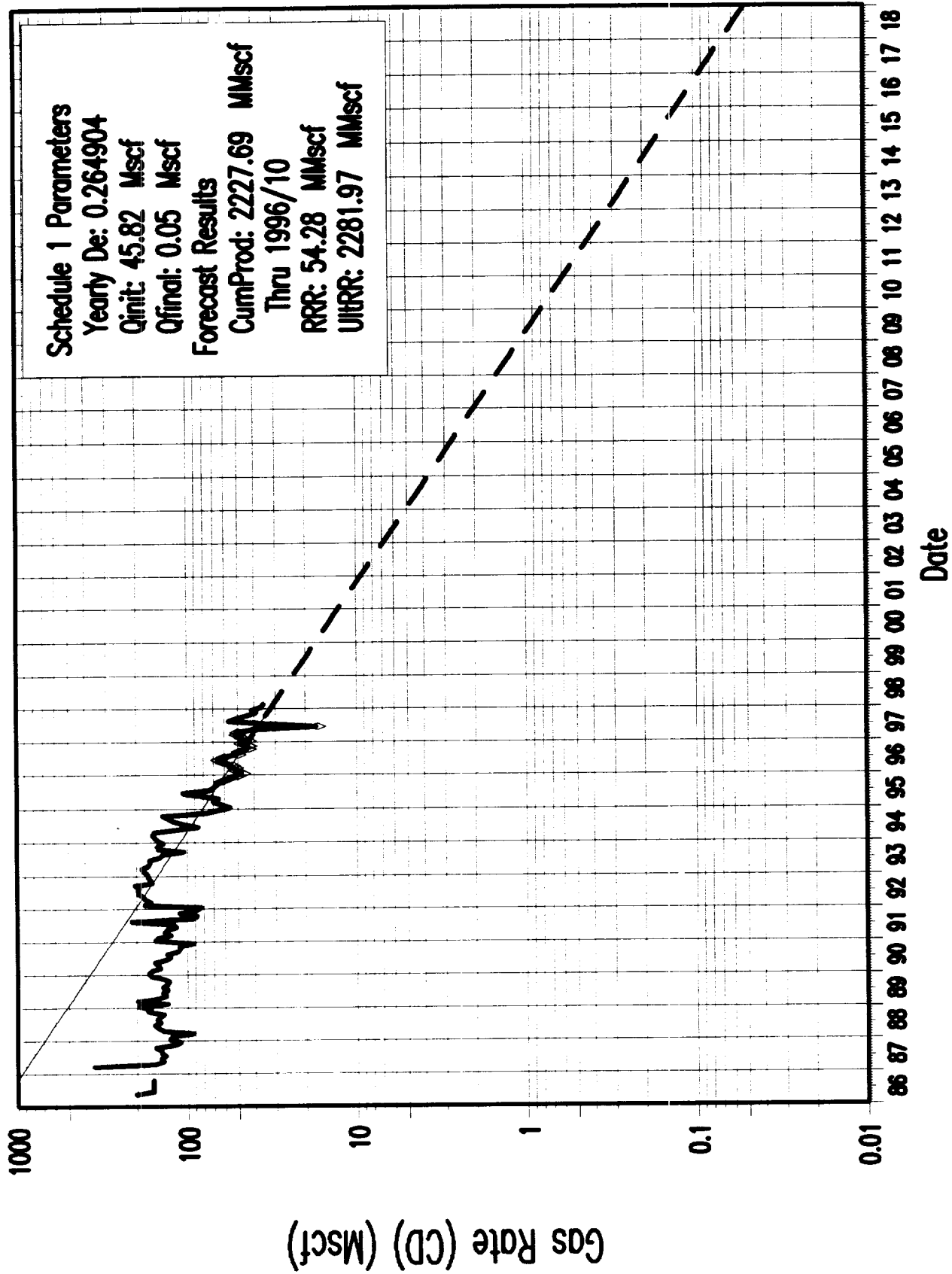
Prepared by: Aimee Edwards  
Eunice Field Engineer  
(505)394-1239

LEASE : EUNICE MONUMENT SOUTH UNIT 412

WELL: FA58160:01 CDATE: 390124



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| DATE | OIL<br>VOLUME<br>PRODUCED<br>bbls | FORECASTED<br>OIL VOLUME<br>bbls | GAS<br>VOLUME<br>PRODUCED<br>Mscf | FORECASTED<br>GAS VOLUME<br>Mscf |
|------|-----------------------------------|----------------------------------|-----------------------------------|----------------------------------|
| 9001 | 31.0                              | 0.00                             | 5252                              | 0.00                             |
| 9002 | 30.0                              | 0.00                             | 4518                              | 0.00                             |
| 9003 | 33.0                              | 0.00                             | 4483                              | 0.00                             |
| 9004 | 25.0                              | 0.00                             | 4441                              | 0.00                             |
| 9005 | 31.0                              | 0.00                             | 4821                              | 0.00                             |
| 9006 | 30.0                              | 0.00                             | 4023                              | 0.00                             |
| 9007 | 29.0                              | 0.00                             | 3894                              | 0.00                             |
| 9008 | 30.0                              | 0.00                             | 4101                              | 0.00                             |
| 9009 | 30.0                              | 0.00                             | 3437                              | 0.00                             |
| 9010 | 31.0                              | 0.00                             | 3422                              | 0.00                             |
| 9011 | 30.0                              | 0.00                             | 3327                              | 0.00                             |
| 9012 | 29.0                              | 0.00                             | 2856                              | 0.00                             |
| 9101 | 31.0                              | 0.00                             | 4781                              | 0.00                             |
| 9102 | 30.0                              | 0.00                             | 4161                              | 0.00                             |
| 9103 | 27.0                              | 0.00                             | 3882                              | 0.00                             |
| 9104 | 29.0                              | 0.00                             | 4084                              | 0.00                             |
| 9105 | 30.0                              | 0.00                             | 4073                              | 0.00                             |
| 9106 | 28.0                              | 0.00                             | 3496                              | 0.00                             |
| 9107 | 31.0                              | 0.00                             | 3744                              | 0.00                             |
| 9108 | 31.0                              | 0.00                             | 6596                              | 0.00                             |
| 9109 | 29.0                              | 0.00                             | 2790                              | 0.00                             |
| 9110 | 31.0                              | 0.00                             | 2718                              | 0.00                             |
| 9111 | 31.0                              | 0.00                             | 3336                              | 0.00                             |
| 9112 | 30.0                              | 0.00                             | 2762                              | 0.00                             |
| 9201 | 30.0                              | 0.00                             | 2582                              | 0.00                             |
| 9202 | 28.0                              | 0.00                             | 5169                              | 0.00                             |
| 9203 | 33.0                              | 0.00                             | 5065                              | 0.00                             |
| 9204 | 30.0                              | 0.00                             | 5318                              | 0.00                             |
| 9205 | 30.0                              | 0.00                             | 5643                              | 0.00                             |
| 9206 | 71.0                              | 0.00                             | 5799                              | 0.00                             |
| 9207 | 72.0                              | 0.00                             | 6017                              | 0.00                             |
| 9208 | 35.0                              | 0.00                             | 5948                              | 0.00                             |
| 9209 | 30.0                              | 0.00                             | 6081                              | 0.00                             |
| 9210 | 30.0                              | 0.00                             | 4981                              | 0.00                             |
| 9211 | 50.0                              | 0.00                             | 4946                              | 0.00                             |
| 9212 | 62.0                              | 0.00                             | 5235                              | 0.00                             |
| 9301 | 44.0                              | 0.00                             | 5321                              | 0.00                             |
| 9302 | 28.0                              | 0.00                             | 5019                              | 0.00                             |
| 9303 | 31.0                              | 0.00                             | 5752                              | 0.00                             |
| 9304 | 29.0                              | 0.00                             | 5081                              | 0.00                             |
| 9305 | 66.0                              | 0.00                             | 5136                              | 0.00                             |
| 9306 | 60.0                              | 0.00                             | 5009                              | 0.00                             |
| 9307 | 72.0                              | 0.00                             | 4515                              | 0.00                             |
| 9308 | 66.0                              | 0.00                             | 4320                              | 0.00                             |
| 9309 | 76.0                              | 0.00                             | 3148                              | 0.00                             |
| 9310 | 87.0                              | 0.00                             | 4566                              | 0.00                             |
| 9311 | 85.0                              | 0.00                             | 4487                              | 0.00                             |
| 9312 | 70.0                              | 0.00                             | 4293                              | 0.00                             |
| 9401 | 57.0                              | 0.00                             | 4609                              | 0.00                             |
| 9402 | 60.0                              | 0.00                             | 4316                              | 0.00                             |

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|------|-----------------------------------|----------------------------------|-----------------------------------|----------------------------------|
| 9403 | 68.0                              | 0.00                             | 4940                              | 0.00                             |
| 9404 | 57.0                              | 0.00                             | 4691                              | 0.00                             |
| 9405 | 59.0                              | 0.00                             | 3552                              | 0.00                             |
| 9406 | 50.0                              | 0.00                             | 2580                              | 0.00                             |
| 9407 | 41.0                              | 0.00                             | 3250                              | 0.00                             |
| 9408 | 59.0                              | 0.00                             | 3738                              | 0.00                             |
| 9409 | 92.0                              | 0.00                             | 3866                              | 0.00                             |
| 9410 | 148.0                             | 0.00                             | 4311                              | 0.00                             |
| 9411 | 128.0                             | 0.00                             | 2300                              | 0.00                             |
| 9412 | 114.0                             | 0.00                             | 2020                              | 0.00                             |
| 9501 | 115.0                             | 0.00                             | 1728                              | 0.00                             |
| 9502 | 116.0                             | 0.00                             | 1748                              | 0.00                             |
| 9503 | 110.0                             | 0.00                             | 2164                              | 0.00                             |
| 9504 | 105.0                             | 0.00                             | 1951                              | 0.00                             |
| 9505 | 110.0                             | 0.00                             | 2501                              | 0.00                             |
| 9506 | 79.0                              | 0.00                             | 3167                              | 0.00                             |
| 9507 | 101.0                             | 0.00                             | 2268                              | 0.00                             |
| 9508 | 108.0                             | 0.00                             | 2142                              | 0.00                             |
| 9509 | 85.0                              | 0.00                             | 1994                              | 0.00                             |
| 9510 | 82.0                              | 0.00                             | 1982                              | 0.00                             |
| 9511 | 57.0                              | 0.00                             | 1737                              | 0.00                             |
| 9512 | 33.0                              | 0.00                             | 1593                              | 0.00                             |
| 9601 | 46.0                              | 0.00                             | 1479                              | 0.00                             |
| 9602 | 65.0                              | 0.00                             | 1499                              | 0.00                             |
| 9603 | 82.0                              | 0.00                             | 1634                              | 0.00                             |
| 9604 | 99.0                              | 0.00                             | 1642                              | 0.00                             |
| 9605 | 63.0                              | 0.00                             | 1933                              | 0.00                             |
| 9606 | 32.0                              | 0.00                             | 1992                              | 0.00                             |
| 9607 | 84.0                              | 0.00                             | 1898                              | 0.00                             |
| 9608 | 105.0                             | 0.00                             | 1578                              | 0.00                             |
| 9609 | 78.0                              | 0.00                             | 1499                              | 0.00                             |
| 9610 | 64.0                              | 0.00                             | 1372                              | 0.00                             |
| 9611 | 63.0                              | 66.35                            | 1312                              | 1357.12                          |
| 9612 | 72.0                              | 67.42                            | 1491                              | 1366.85                          |
| 9701 | 85.0                              | 66.31                            | 1381                              | 1332.24                          |
| 9702 | 89.0                              | 58.90                            | 1351                              | 1172.85                          |
| 9703 | 70.0                              | 64.14                            | 1589                              | 1265.63                          |
| 9704 | 61.0                              | 61.04                            | 1521                              | 1193.79                          |
| 9705 | 63.0                              | 62.04                            | 1255                              | 1202.35                          |
| 9706 | 44.0                              | 59.04                            | 519                               | 1134.10                          |
| 9707 | 56.0                              | 60.00                            | 1019                              | 1142.24                          |
| 9708 | 66.0                              | 59.01                            | 1754                              | 1113.31                          |
| 9709 | 77.0                              | 56.17                            | 1531                              | 1050.12                          |
| 9710 | 61.0                              | 57.08                            | 1374                              | 1057.65                          |
| 9711 | 31.0                              | 54.33                            | 1174                              | 997.62                           |
| 9712 | 53.0                              | 55.21                            | 1281                              | 1004.77                          |
| 9801 | 82.0                              | 54.30                            | 1122                              | 979.33                           |
| 9802 | 77.0                              | 48.23                            | 990                               | 862.16                           |
| 9803 | 0.0                               | 52.52                            | 0                                 | 930.36                           |
| 9804 | 0.0                               | 49.98                            | 0                                 | 877.55                           |