

|                 |                 |             |           |          |
|-----------------|-----------------|-------------|-----------|----------|
| DATE IN 1/12/00 | SUSPENSE 2/1/00 | ENGINEER DC | LOGGED KW | TYPE DHC |
|-----------------|-----------------|-------------|-----------|----------|

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION  
- Engineering Bureau -

2615

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]  
[DD-Directional Drilling] [SD-Simultaneous Dedication]  
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production-Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling  
NSL NSP DD SD

Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement  
X DHC CTB PLC PC OLS OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
WFX PMX SWD IPI EOR PPR

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

[A] X Working, Royalty or Overriding Royalty Interest Owners

[B] Offset Operators, Leaseholders or Surface Owner

[C] Application is One Which Requires Published Legal Notice

[D] X Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Peggy Cole

Print or Type Name

Signature

Regulatory/Compliance Administrator

Title

Date

DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240  
DISTRICT II  
811 South First St., Artesia, NM 88210  
DISTRICT III  
1000 Rio Brazos Rd, Aztec, NM 87410  
DISTRICT IV  
2040 S. Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco  
Santa Fe, New Mexico 87505-6429

Form C-107-A  
Revised August 1999

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

**Burlington Resources Oil and Gas PO Box 4289, Farmington, NM 87499**

Operator  
**Randlemon**

**1A**

Address  
**E-26-31N-11W**

**San Juan**

Lease \_\_\_\_\_ Well No. \_\_\_\_\_ Unit Ltr. - Sec - Twp - Rge \_\_\_\_\_ County \_\_\_\_\_  
Spacing Unit Lease Types: (check 1 or more)  
OGRID NO. 14538 Property Code 7411 API NO. 30-045-23385 Federal ☐ State ☐ (and/or) Fee ☒

| The following facts are submitted in support of downhole commingling:                                                                             | Upper Zone                             | Intermediate Zone | Lower Zone                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------|------------------------------------|
| 1. Pool Name and Pool Code                                                                                                                        | Aztec Pictured Cliffs- 71280           |                   | Blanco Mesaverde- 72319            |
| 2. Top and Bottom of Pay Section (Perforations)                                                                                                   | 2305-2380                              |                   | 4557-4928                          |
| 3. Type of production (Oil or Gas)                                                                                                                | Gas                                    |                   | Gas                                |
| 4. Method of Production (Flowing or Artificial Lift)                                                                                              | Flowing                                |                   | Flowing                            |
| 5. Bottomhole Pressure                                                                                                                            | a. (Current) 304 psi (see attachment)  | a.                | a. 237 psi (see attachment)        |
| Oil Zones - Artificial Lift:<br>Gas & Oil - Flowing:<br>All Gas Zones:<br>Estimated Current<br>Measured Current<br>Estimated Or Measured Original | b. (Original) 826 psi (see attachment) | b.                | b. 1070 psi (see attachment)       |
| 6. Oil Gravity (EAPI) or Gas BTU Content                                                                                                          | BTU 1160                               |                   | BTU 1174                           |
| 7. Producing or Shut-In?                                                                                                                          | Producing                              |                   | Producing                          |
| Production Marginal? (yes or no)                                                                                                                  | Yes                                    |                   | No                                 |
| * If Shut-In, give date and oil/gas/water rates of last production                                                                                | Date:<br>Rates:                        | Date:<br>Rates:   | Date:<br>Rates:                    |
| Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data                    | Date: 10/31/99<br>Rates: 77 mcf/d      | Date:<br>Rates:   | Date: 10/31/99<br>Rates: 164 mcf/d |
| * If Producing, give date and oil/gas/water rates of recent test (within 60 days)                                                                 |                                        |                   |                                    |
| 8. Fixed Percentage Allocation Formula - % for each zone (total of %'s to equal 100%)                                                             | Will be supplied upon completion.      |                   | Will be supplied upon completion.  |

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones? Yes ☒ No ☐  
If not, have all working, overriding, and royalty interests been notified by certified mail? ☒ Yes ☐ No

11. Will cross-flow occur? ☒ Yes ☐ No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. ☒ Yes ☐ No (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each other? ☒ Yes ☐ No

13. Will the value of production be decreased by commingling? ☐ Yes ☒ No (If Yes, attach explanation)

14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. ☒ Yes ☐ No

15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S) \_\_\_\_\_

16. ATTACHMENTS:

- \* C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- \* Production curve for each zone for at least one year. (If not available, attach explanation.)
- \* For zones with no production history, estimated production rates and supporting data.
- \* Data to support allocation method or formula.
- \* Notification list of working, overriding, and royalty interests for uncommon interest cases.
- \* Any additional statements, data, or documents required to support commingling.

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

SIGNATURE J. Z. Dobson TITLE PRODUCTION ENGINEER DATE 12-29-99

TYPE OR PRINT NAME Jennifer Dobson TELEPHONE NO. (505) 326-9700

# Randlemon 1A

| Firstname                      | Company                             | Address1                    | Address2            | City         | State | Zip        |
|--------------------------------|-------------------------------------|-----------------------------|---------------------|--------------|-------|------------|
| ARLA SCARBOROUGH               | 1425 MCCURDY CIR                    |                             |                     | ESPANOLA     | NM    | 87532      |
| BEN J CASE AND MARY VAL CASE   | REVOCABLE TRUST DTD 6/7/89          | 1033 W CACTUS WREN DR       |                     | PHOENIX      | AZ    | 85021      |
| BILLY JACK RIDDLE              | 2820 WEATHER VANE LN                |                             |                     | DALLAS       | TX    | 75228      |
| CAROLYN L LEE HANEY            | 515 S GUNTER                        |                             |                     | VINITA       | OK    | 74301      |
| CHARLES C RANDLEMON AND        | MARIE V RANDLEMON CO TR             | RANDLEMON REVOCABLE TRUST   | 1806 US HIGHWAY 550 | AZTEC        | NM    | 87410      |
| CHARLSIE P REARDON             | PO BOX 154                          |                             |                     | CHROMO       | CO    | 81128      |
| CHERYL L MELLENTHIN            | RR 1 BOX 65                         |                             |                     | CAT SPRING   | TX    | 78933-9602 |
| DWAYNE LAROE HANEY             | 515 S GUNTER                        |                             |                     | VINITA       | OK    | 74301      |
| EMMETT G RIDDLE                | PO BOX 1033                         |                             |                     | CHINO VALLEY | AZ    | 86323      |
| ESTHER F BANDY TRUSTEE         | UTA DTD JANUARY 10 1985             | PO BOX 508                  |                     | AZTEC        | NM    | 87410      |
| FRANCES G HALL TRUSTEE         | TRUST AGREEMENT DATED 3/12/79       | P O BOX 1749                |                     | AZTEC        | NM    | 87410      |
| FRANCES LOUISE LEE EVANS       | RT 3 BOX 150                        |                             |                     | CHELSEA      | OK    | 74016      |
| GERALDINE W WORLEY             | 9810 HATHAWAY                       |                             |                     | DALLAS       | TX    | 75220      |
| GUSTEL TOVEY                   | 12907 BOHEME DR                     |                             |                     | HOUSTON      | TX    | 77024      |
| IRVIN L & NELLIE M RANDLEMON   | TRSTES RANDLEMON TRUST              | AGRMNT DTD 1-16-90          | 229 ROAD 2800       | AZTEC        | NM    | 87410      |
| JESS L TOVEY                   | 3202 CHESTERSHIRE                   |                             |                     | PASADENA     | TX    | 77503      |
| JOHN L MORRISON TRUSTEE        | JOHN L MORRISON 1989 REV TRUST      | 1990 UPSON LN               |                     | RENO         | NV    | 89509-3660 |
| LEROY H FRAME &                | ROSEMARY C FRAME JT                 | 823 BAIRD CIR               |                     | AZTEC        | NM    | 87410      |
| LOTHAIR & MARGUERITE PAYNE     | LIVING TRUST DTD 3/25/91            | 1404 W 1ST PLACE            |                     | MESA         | AZ    | 85201      |
| MARIANN SUZETTE RIDDLE REESE   | 526 E 54TH ST S                     |                             |                     | WICHITA      | KS    | 67216      |
| MARION I VANCE TRUSTEE         | C/O BANK OF AMERICA Acct #061-60744 |                             | 906 E BASELINE      | TEMPE        | AZ    | 85283      |
| MARVIN BEN STARK               | 3762 E 24TH STREET                  |                             |                     | TUCSON       | AZ    | 85713      |
| ORION & VIOLA UTTON HWJT       | 102 RD 2800                         |                             |                     | AZTEC        | NM    | 87410      |
| RAYMOND L HILL                 | 264 ROAD 3050                       |                             |                     | AZTEC        | NM    | 87410      |
| REVA MAE LEE BRIXEY            | 603 N BELL STREET                   |                             |                     | VINITA       | OK    | 74301      |
| RICHARD GORDON PETTIGREW       | 734 KINGSWOOD AVE                   |                             |                     | RICHARDSON   | TX    | 75080-3121 |
| ROBERT EDWARD LEE              | 1633 N CHAMBERS TER                 |                             |                     | CLAREMORE    | OK    | 74017      |
| ROBERT EDWARD LEE GUARDIAN     | OF LOUIS FRANKLIN LEE               | 1633 N CHAMBERS TER         |                     | CLAREMORE    | OK    | 74017      |
| RUTHELLEN STARK                | 3708 E JUAREZ                       |                             |                     | TUCSON       | AZ    | 85713      |
| SHIRLEY J RIDDLE               | PO BOX 1033                         |                             |                     | CHINO VALLEY | AZ    | 86323      |
| TAMI LEIGH HOCKMAN             | 819 W CANADIAN                      |                             |                     | VINITA       | OK    | 74301      |
| TARI LYNNE LEE                 | 712 W CANADIAN                      |                             |                     | VINITA       | OK    | 74301      |
| THELMA GRAHAM FAMILY LTD PTSHP | 4350 E 74TH PL                      |                             |                     | TULSA        | OK    | 74136      |
| THELMA M GRAHAM TRUSTEE OF THE | THELMA GRAHAM REVOCABLE TRUST       | DATED 8/31/81               | 124 S VANN          | PRYOR        | OK    | 74361      |
| TIFFANY LORRAINE WOOD          | RT 1 BOX 209                        |                             |                     | BIG CABIN    | OK    | 74332      |
| VANIS WALTER CASE & GERTRUDE L | CASE CO-TRUSTEES OF THE             | CASE FAMILY REVOCABLE TRUST | 825 S LOYOLA DR     | TUCSON       | AZ    | 85710      |
| VIRGINIA LOIS LEE HILL         | 525 N WILSON ST                     |                             |                     | VINITA       | OK    | 74301      |

# MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

|                                                                                                                                |                                                        |                                                         |                                 |                                                  |                       |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------|--------------------------------------------------|-----------------------|
| Operator<br><b>EL PASO NATURAL GAS COMPANY</b>                                                                                 |                                                        |                                                         | Lease<br><b>Randleman</b> (FEE) |                                                  | Well No.<br><b>1A</b> |
| Unit Letter<br><b>E</b>                                                                                                        | Section<br><b>26</b>                                   | Township<br><b>31N</b>                                  | Range<br><b>11W</b>             | County<br><b>San Juan</b>                        |                       |
| Actual Footage Location of Well:<br><b>2200</b> feet from the <b>North</b> line and <b>1140</b> feet from the <b>West</b> line |                                                        |                                                         |                                 |                                                  |                       |
| Ground Level elev.<br><b>5681</b>                                                                                              | Producing Formation<br><b>Mesa Verde / Pic. Cliffs</b> | Pool<br><b>Aztec Pic. Cliffs Ext. Blanco Mesa Verde</b> |                                 | Dedicated Acreage: <b>160 &amp; 320.00</b> Acres |                       |

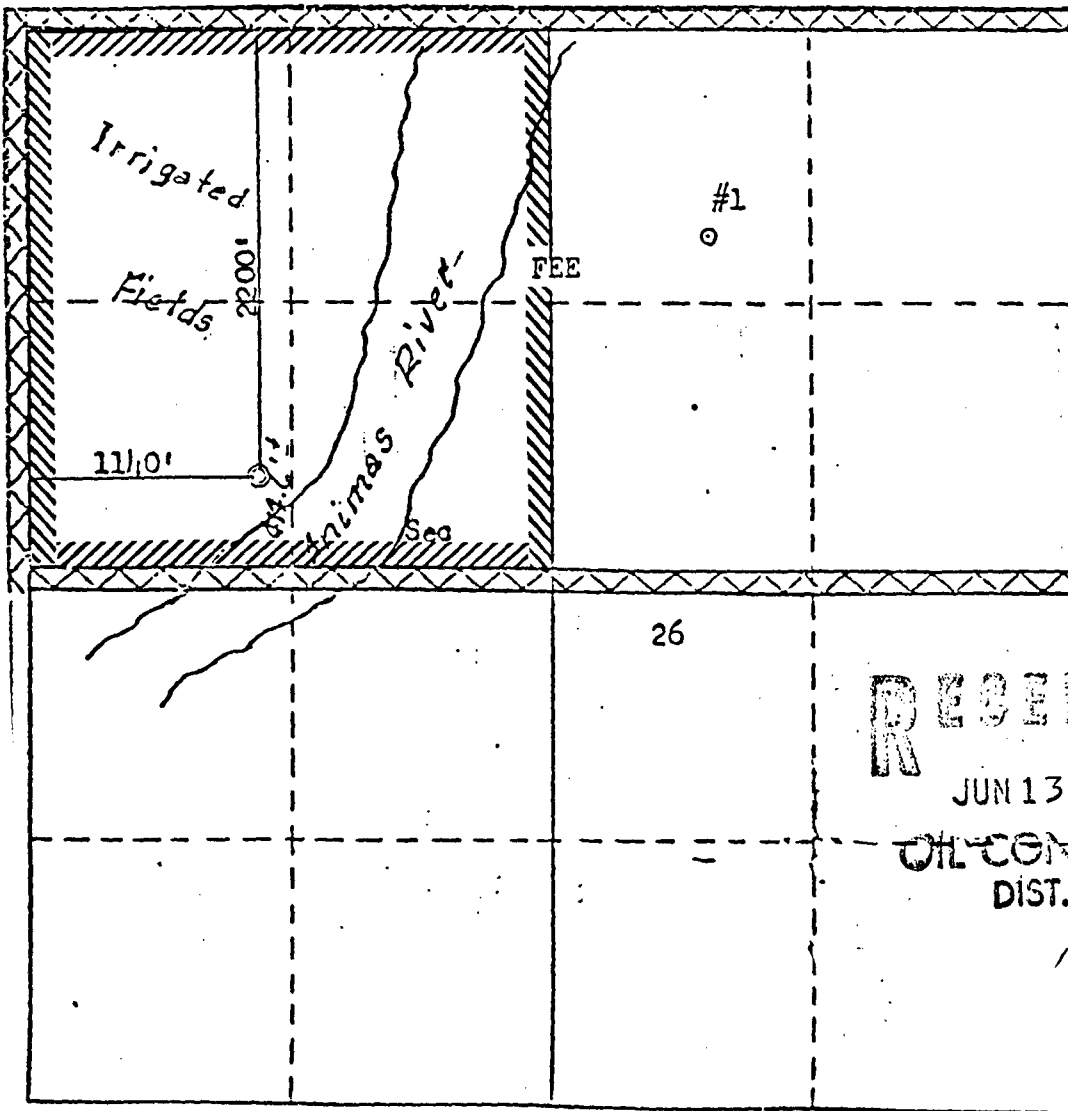
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

This plat reissued to show Pictured Cliffs dedication 6-12-85



## CERTIFICATION

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

*Peggy Doak*  
Name  
Drilling Clerk

Position  
El Paso Natural Gas Co.

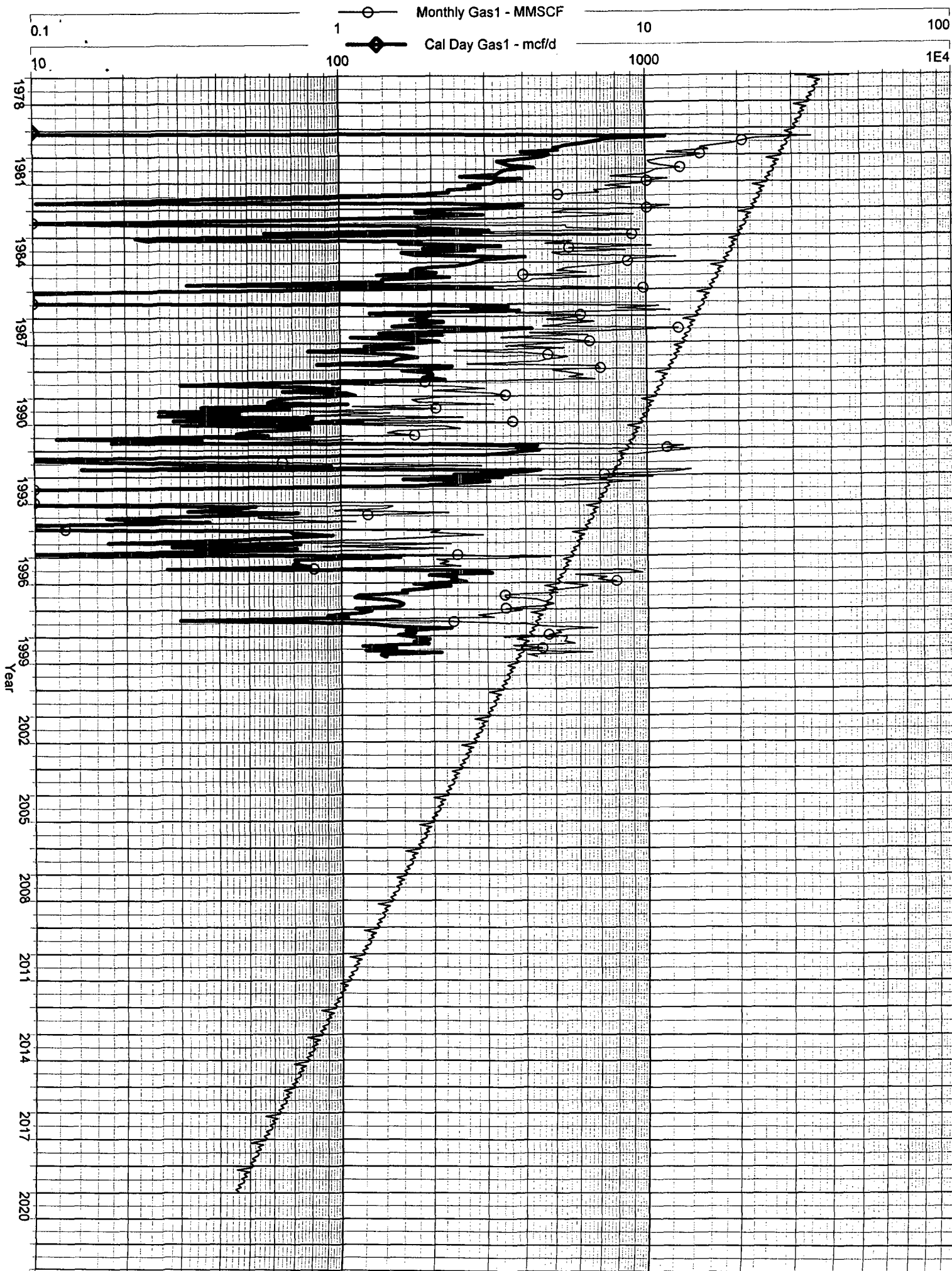
Signature  
June 12, 1985

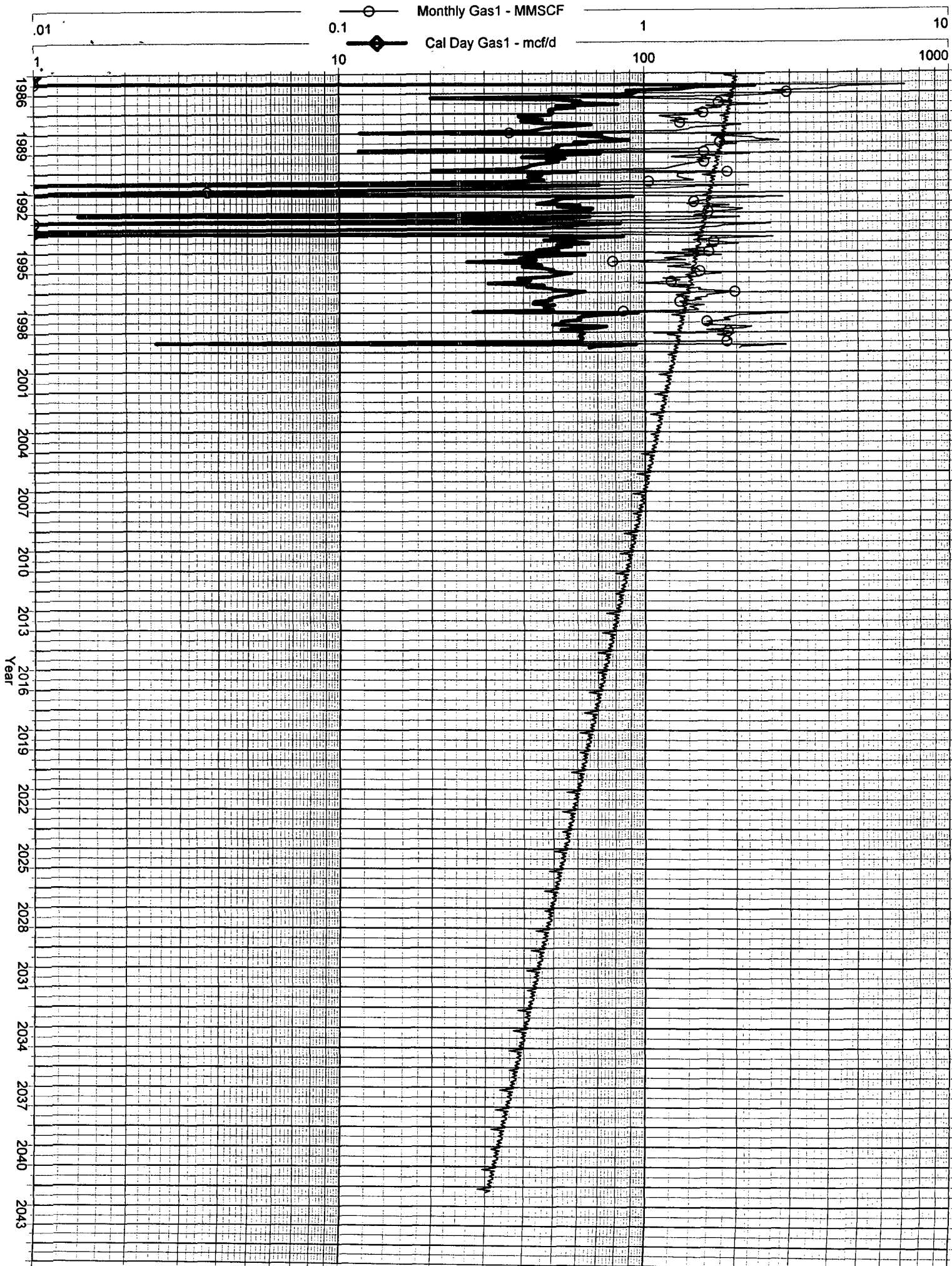
Date

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 knowledge and belief.

**RECEIVED**  
JUN 13 1985  
OIL CON. DIV.  
DIST. 3

Date Surveyed  
October 17, 1978  
Registered Professional Engineer and/or Land Surveyor  
*Fred S. K... Jr.*  
Fred S. K... Jr.





**Randlemon #1A**  
**Bottom Hole Pressures**  
**Flowing and Static BHP**  
**Cullender and Smith Method**  
Version 1.0 1/14/98

| <b>Mesaverde</b>               |        | <b>Pictured Cliffs</b>         |       |
|--------------------------------|--------|--------------------------------|-------|
| <b><u>MV-Current</u></b>       |        | <b><u>PC-Current</u></b>       |       |
| GAS GRAVITY                    | 0.67   | GAS GRAVITY                    | 0.657 |
| COND. OR MISC. (C/M)           | M      | COND. OR MISC. (C/M)           | M     |
| %N2                            | 0.17   | %N2                            | 0.30  |
| %CO2                           | 0.67   | %CO2                           | 0.36  |
| %H2S                           | 0      | %H2S                           | 0     |
| DIAMETER (IN)                  | 2.375  | DIAMETER (IN)                  | 7     |
| DEPTH (FT)                     | 4743   | DEPTH (FT)                     | 2343  |
| SURFACE TEMPERATURE (DEG F)    | 60     | SURFACE TEMPERATURE (DEG F)    | 60    |
| BOTTOMHOLE TEMPERATURE (DEG F) | 151    | BOTTOMHOLE TEMPERATURE (DEG F) | 105   |
| FLOWRATE (MCFPD)               | 0      | FLOWRATE (MCFPD)               | 0     |
| SURFACE PRESSURE (PSIA)        | 212    | SURFACE PRESSURE (PSIA)        | 287   |
| BOTTOMHOLE PRESSURE (PSIA)     | 236.5  | BOTTOMHOLE PRESSURE (PSIA)     | 303.5 |
| <b><u>MV-Original</u></b>      |        | <b><u>PC-Original</u></b>      |       |
| GAS GRAVITY                    | 0.67   | GAS GRAVITY                    | 0.657 |
| COND. OR MISC. (C/M)           | M      | COND. OR MISC. (C/M)           | M     |
| %N2                            | 0.17   | %N2                            | 0.30  |
| %CO2                           | 0.67   | %CO2                           | 0.36  |
| %H2S                           | 0      | %H2S                           | 0     |
| DIAMETER (IN)                  | 2.375  | DIAMETER (IN)                  | 7     |
| DEPTH (FT)                     | 4743   | DEPTH (FT)                     | 2343  |
| SURFACE TEMPERATURE (DEG F)    | 60     | SURFACE TEMPERATURE (DEG F)    | 60    |
| BOTTOMHOLE TEMPERATURE (DEG F) | 151    | BOTTOMHOLE TEMPERATURE (DEG F) | 105   |
| FLOWRATE (MCFPD)               | 0      | FLOWRATE (MCFPD)               | 0     |
| SURFACE PRESSURE (PSIA)        | 946    | SURFACE PRESSURE (PSIA)        | 777   |
| BOTTOMHOLE PRESSURE (PSIA)     | 1070.1 | BOTTOMHOLE PRESSURE (PSIA)     | 826.0 |

| AIN                           | METER | WELLNAME  | #  | FRM | MONTH     | PROD | 3 MON AVG | Year | Month | Day | WH Pressure | Cum Prod |                                |  |  |
|-------------------------------|-------|-----------|----|-----|-----------|------|-----------|------|-------|-----|-------------|----------|--------------------------------|--|--|
| 6546801                       | 90941 | RANDLEMON | 1A | MV  | 31-Jan-99 | 5434 |           | 1979 | 12    | 10  | 934         |          | original                       |  |  |
|                               |       |           |    |     | 28-Feb-99 | 5431 |           | 1980 | 5     | 5   | 684         |          |                                |  |  |
|                               |       |           |    |     | 31-Mar-99 | 5333 |           | 1981 | 10    | 21  | 474         |          |                                |  |  |
|                               |       |           |    |     | 30-Apr-99 | 5778 |           | 1982 | 6     | 21  | 444         |          |                                |  |  |
|                               |       |           |    |     | 31-May-99 | 3641 |           | 1984 | 8     | 17  | 482         |          |                                |  |  |
|                               |       |           |    |     | 30-Jun-99 | 4524 |           | 1984 | 11    | 1   | 441         |          |                                |  |  |
|                               |       |           |    |     | 31-Jul-99 | 3721 |           | 1986 | 11    | 30  | 484         |          |                                |  |  |
|                               |       |           |    |     | 31-Aug-99 | 6567 |           | 1989 | 10    | 31  | 448         |          |                                |  |  |
|                               |       |           |    |     | 30-Sep-99 | 4034 |           | 1991 | 12    | 16  | 355         |          |                                |  |  |
|                               |       |           |    |     | 31-Oct-99 | 4341 | 164       | 1993 | 5     | 3   | 252         |          |                                |  |  |
|                               |       |           |    |     |           |      |           | 1993 | 7     | 9   | 344         |          |                                |  |  |
|                               |       |           |    |     |           |      |           |      |       |     | 200         | 1229.8   | current estimate from P/Z data |  |  |
| 6546802                       | 95909 | RANDLEMON | 1A | PC  | 31-Jan-99 | 1966 |           | 1975 | 6     | 17  | 765         |          | original                       |  |  |
| Randlemon 2 PC used as offset |       |           |    |     | 28-Feb-99 | 1729 |           | 1975 | 7     | 4   | 0           |          |                                |  |  |
|                               |       |           |    |     | 31-Mar-99 | 1894 |           | 1975 | 9     | 3   | 476         |          |                                |  |  |
|                               |       |           |    |     | 30-Apr-99 | 1878 |           | 1976 | 5     | 21  | 482         |          |                                |  |  |
|                               |       |           |    |     | 31-May-99 | 1909 |           | 1978 | 4     | 17  | 386         |          |                                |  |  |
|                               |       |           |    |     | 30-Jun-99 | 1856 |           | 1980 | 6     | 12  | 378         |          |                                |  |  |
|                               |       |           |    |     | 31-Jul-99 | 78   |           | 1982 | 5     | 26  | 421         |          |                                |  |  |
|                               |       |           |    |     | 31-Aug-99 | 2903 |           | 1984 | 8     | 28  | 417         |          |                                |  |  |
|                               |       |           |    |     | 30-Sep-99 | 2071 |           | 1993 | 4     | 15  | 385         |          |                                |  |  |
|                               |       |           |    |     | 31-Oct-99 | 2035 | 77        |      |       |     | 275         | 495.065  | current estimate from P/Z data |  |  |