| Form 3160-3<br>(November 1983)<br>(formerly 9-331C) | DEPARTMEN<br>BUREAU OF                                   | PLICATE  | 5. LEASE DESIGNATION AND SEEIAL NO.<br>NM-7721<br>6. IF INDIAN, ALLOTTEE OR TRIBE NAME |                               |  |  |  |
|---|--|--|--|-------------------------------|--|--|--|
| 1a. TYPE OF WORK                                    |  |  |  |                               |  |  |  |
|   | DRILL 🖾  | DEEPEN 🗌   | PLUG BAC   | к 🗆 🛛                         | 7. UNIT AGREEMENT NAME   |  |  |
| b. TYPE OF WELL                                     | GAB [""]   | SINGLE   | MULTIPL  | ۲۰۰۱ ع                        | West Red Lake Unit   |  |  |
| WELL XX   | WELL OTHER   | ZONE   | XX ZONE  |                               | C. FARM OR DEADE NAME  |  |  |
|   | & Gas Company  |  |  |                               | 9. WELL NO.<br>34  |  |  |
| P. O. Box   | 2208, Roswell, NM  | 1 88202  |  |                               | 10. FIELD AND POOL, OR WILDCAT   |  |  |
| At surface  | L (Report location clearly and<br>& 1770' FWL<br>1. zone | X  | Gräuburg San Andres<br>11. SEC., T., R., M., OR BLK.<br>AND SUBVEY OB AREA             |                               |  |  |  |
|   |  | V  |  |                               | Sec.9-T18S-R27E  |  |  |
| 14. DISTANCE IN MI                                  | LES AND DIRECTION FROM NEA                               | REST TOWN OR POST OFFICE*  |  |                               | 12. COUNTY OR PARISH 13. STATE   |  |  |
|   |  | neast of Artesia, NM   |  | 17 10 0                       | Eddy NM  |  |  |
|   | AREST  | 990' 80<br>19. ropose  | D DEPTH  | то ті                         | A CABLE TOOLS  |  |  |
| TO NEAREST WE                                       | CLL, DRILLING, COMPLETED,                                | 240  |  |                               | tary   |  |  |
|   | w whether DF, RT, GR, etc.)                              | I240   |  |                               | 22. APPROX. DATE WORK WILL START*  |  |  |
| 3   | 452' FL  |  |  |                               | 7/5/90   |  |  |
| 23.   |  | PROPOSED CASING AND CEM  | MENTING PROGRA   | M                             | **************************************   |  |  |
| SIZE OF HOLE  | SIZE OF CASING   | WEIGHT PER FOOT  | SETTING DEPTH  |                               | QUANTITY OF CEMENT   |  |  |
| 12 1/4"   | 8 5/8"   | 24#CIRCULATE   | 1100'  | 400 \$                        | sx. lite + 150 sx. Class "C"   |  |  |
| 7 7/8"  | 4 1/2"   | 10.5#CIRCULATE   |  | 750                           |  |  |  |
| Mud Drogr   |  |  | RECE   | IVED                          |  |  |  |
|   | ) - 1100' Drill w  | ith spud mud.<br>ith saturated brine.                                | <u> </u>   | 6 '90<br>, C. D.<br>Sha, Offi | ECEIN  |  |  |
| <u>BOP Diag</u> r                                   | cam:   |  |  |                               |  |  |  |
|   | l install on the 8<br>ll out.                            | 5/8" surface casing  |  | est be                        | 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -  |  |  |
|   |  | APPROVAL SUBJE   |  |                               | Post ID-1  |  |  |
|   |  | GENERAL REQUIF<br>Special Stipula<br>Attached                        |  |                               | Post ID-1<br>7-13-90<br>New Loc Y API  |  |  |
| zone. If proposal preventer program,                | is to drill or deepen direction                          | proposal is to deepen or plug b<br>nally, give pertinent data on sub | ack, give data on pr<br>surface locations ar   | resent proc<br>nd measure     | ductive sone and proposed new productive<br>d and true vertical depths. Give blowout |  |  |
| 24.<br>BIGNED                                       | -on Busin  | TITLE Pet:   | roleum Engin   | eer                           | DATE 6/26/90   |  |  |
| (This space for                                     | r Federal or State office use)                           | <u></u>  |  |                               | · · · · · · · · · · · · · · · · · · ·  |  |  |
| PERMIT NO.  | × 1.   |  | OVAL DATE  |                               | 1.5 91.  |  |  |
| APPROVED BY<br>CONDITIONS OF A                      | Dirich Als   | TITLE CARLES   | B MESOURCE AREA  |                               | DATE   |  |  |

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Title 18 ILS.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

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Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies State of New Mexico Energy, Minerals and Natural Resources Department

DISTRICT 1 P.O. Box 1980, Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Artesia, NM 88210 . .

DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410

## OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

| Operator          |            |                |                                    |                                       | Lease                                  |                        |              | · · · · · ·                           | Well No.  |
|-------------------|------------|----------------|------------------------------------|---------------------------------------|--|------------------------|--------------|---------------------------------------|---|
| Hondo O           | )il &      | _Gas (         | Company                            |                                       | West                                   | Red Lake               | Unit         |                                       | 34  |
| Unit Letter       | Section    | on             | Township                           |                                       | Range                                  |                        | ·····        | County                                | 1   |
| <u>C</u>          | 9          | <u>, 11,</u>   | 18 Sou                             | th                                    | 27 Eas                                 | st                     | NMP          | Eddy                                  |   |
| Actual Footage Lo |            |                |                                    |                                       |  |                        |              | ,<br>,                                |   |
| 99                | 0 feet f   | romatic No     | orth.                              | line and                              |  | 1770                   | fect from    | nueWest                               | line  |
| Ground level Elev | <i>'</i> . | Produ          | cing Formation                     |                                       | Pool                                   |                        |              | · · · · · · · · · · · · · · · · · · · | Dedicated Acreage: 40   |
| 345               |            | Gra            | yburg                              |                                       | Gray                                   | ourg San And           | lres         |                                       | Acres STS   |
| 1. Outli          | ine the ac | reage dedic    | ated to the subject we             | Il by colored per                     | ncil or hachure r                      | urks on the plat belo  | w.           |                                       |   |
| 2. If m           | ore than o | one lease is a | dedicated to the well,             | outline each and                      | lidentify the m                        | marchin thereof theth  |              |                                       |   |
|                   |            |                |                                    |                                       |  |                        |              |                                       |   |
| 3. If m           | ore than o | one lease of   | different ownership i              | s dedicated to the                    | e well, have the                       | interest of all owners | been cons    | solidated by comr                     | nunitization,   |
| uniti             | zation, fo | rce-pooling,   | ctc.?                              |                                       |  |                        |              | -                                     |   |
|                   |            | ' list the ow  | No If an<br>ners and tract descrip | nswer is "yes" ty<br>tions which have | pe of consolidation                    | on <u>Unitiz</u>       | ed           |                                       | · · · · · · · · · · · · · · · · · · ·   |
| this for          | m il neco  | essary,        |                                    |                                       |  |                        |              |                                       |   |
| No allo           | owable wi  | ll be assigne  | ed to the well until al            | l interests have b                    | cen consolidated                       | (by conununitizatio    | n, unitizati | on, forced-poolin                     | g, or otherwise)  |
| or until          | a non-su   | andard Unil,   | eliminating such inte              | rest, has been ap                     | proved by the D                        | ivision.               |              | , <u> </u>                            |   |
| [                 |            |                | 1                                  | 7                                     |  |                        |              | OPERAT                                | OR CERTIFICATION  |
|                   |            |                | Ţ                                  |                                       |  |                        | .            |                                       | certify that the information  |
|                   |            |                |                                    |                                       |  | ]                      | ·            | contained here                        | in in true and complete to the  |
|                   | ·          | 60             |                                    |                                       |  |                        |              | besi of my know                       | ledge and belief.   |
|                   |            | 3545           | 3558                               |                                       |  |                        |              | Signature                             |   |
| 17                | 770'       |                | Y                                  |                                       |  | 1                      |              | Signature                             |   |
|                   |            |                |                                    | · ·                                   |  | 1                      |              | Printed Name                          | Grown   |
|                   | د          | 5 ¢ 7 L        | 354.1                              |                                       | •                                      | }                      |              |                                       |   |
|                   |            |                |                                    |                                       |  | ſ                      |              | Ron Brow                              | <u>'n</u>   |
|                   |            |                |                                    |                                       |  | 1                      |              |                                       | m Theories  |
|                   |            | 1              |                                    |                                       |  | }                      |              | Company                               | <u>m Engineer</u>   |
|                   |            | 1              |                                    |                                       |  | 1                      |              | Hondo Oi                              | l & Gas Company   |
|                   |            |                |                                    |                                       |  | 1                      |              | Date                                  | ······································  |
|                   |            | 1              |                                    |                                       |  |                        |              | 6/26/90                               |   |
|                   |            | 1              |                                    |                                       |  |                        |              | SURVEY                                | OR CERTIFICATION  |
|                   |            |                |                                    |                                       | ······································ | <u> </u>               |              | BORTE                                 | OR CERTIFICATION  |
|                   |            | 1              | •                                  |                                       |  |                        |              | I hereby certif                       | by that the well location shown   |
|                   |            | I              |                                    |                                       |  |                        |              |                                       | vas plotted from field notes of   |
|                   |            | 1              | ••                                 |                                       |  | 1                      |              |                                       | s mode by me or under my<br>ad that the same is true and  |
|                   |            | 1              |                                    |                                       |  | 1                      |              |                                       | e best of my knowledge an   |
|                   |            | Ì              |                                    |                                       |  |                        |              | belief.                               |   |
|                   |            | i              |                                    |                                       |  | •                      |              | Date Surveyed                         |   |
| <u></u> <u></u>   |            |                |                                    |                                       |  | <u> </u>               |              |                                       | and the second se |
|                   |            |                |                                    |                                       |  |                        |              | May 29<br>Signature & S               | A A A A A A A A A A A A A A A A A A A   |
|                   |            | i              |                                    |                                       |  | •<br>                  |              | Protessional St                       | urveyor   |
|                   |            | i              |                                    |                                       |  |                        |              | P.R./P                                | atton AL  |
|                   |            |                |                                    |                                       |  |                        |              |                                       | John Hanner   |
|                   |            |                |                                    |                                       |  | 1                      |              |                                       | ALVIUS  |
|                   |            | •              |                                    |                                       |  |                        |              | 1 15                                  |   |
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| L                 |            | I              |                                    |                                       | ·····                                  | 1                      |              |                                       | PADIES BONI 12 LAN  |
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## APPLICATION FOR DRILLING

HONDO OIL & GAS COMPANY WEST RED LAKE UNIT WELL NO. 34 990' FNL & 1770' FWL, Sec.9-T18S-R27E Eddy County, New Mexico Lease No.: NM-7721 (Development Well)

In conjunction with Form 9-331C, Application for Permit to Drill subject well, Hondo Oil & Gas Company submits the following items of pertinent information in accordance with BLM requirements:

- 1. The geologic surface formation is recent Permian with quaternary alluvium and other surficial deposits.
- 2. The estimated tops of geologic markers are as follows:

| Queen      | 800 <b>'</b>  |  |  |  |
|------------|---------------|--|--|--|
| Grayburg   | 1160 <b>′</b> |  |  |  |
| San Andres | 1440′         |  |  |  |
| T.D.       | 2400'         |  |  |  |

3. The estimated depths at which water, oil or gas formations are anticipated to be encountered:

Water: Random fresh water from surface to 600' +/-, and possible water flow at around 1280'.

Oil: Grayburg at approximately 1160' and/or the San Andres at approximately 1440'.

Gas: None anticipated.

- 4. Proposed Casing Program: See Form 9-331C.
- 5. Proposed Control Equipment: See Form 9-331C and Exhibit "D".
- 6. Mud Program: See Form 9-331C.
- 7. Auxiliary Equipment: Blowout preventer, kelly cock and stabbing valve.
- 8. Testing, Logging and Coring Program:

Drill Stem Tests: None planned.

Logging: CNL/LDT/GR T.D. - Surface DLL/MSFL T.D. - 1100'

Coring: None planned.

- 9. No abnormal pressures or temperatures are anticipated. In the event abnormal pressures are encountered, the proposed mud program will be modified to increase the mud weight.
- 10. Anticipated started date: 7/5/90 Anticipated completion of drilling operations: approx. 10 days

## MULTI-POINT SURFACE USE AND OPERATIONS PLAN

HONDO OIL & GAS COMPANY WEST RED LAKE UNIT WELL NO. 34 990' FNL & 1770' FWL, Sec.9-T18S-R27E Eddy County, New Mexico Lease No.: NM-7721 (Development Well)

This plan is submitted with the Application for Permit to Drill the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and the operations plan to be followed in rehabilitating the surface after completion of the operation so that a complete appraisal can be made of the environmental effects associated with the operations.

- 1. EXISTING ROADS:
  - A. Exhibit "A" is a portion of a BLM Quad map showing the location of the proposed well and access road as staked, in relation to existing roads. By road the well is approximately 10 miles southeast of Artesia, New Mexico.
  - B. Directions: Travel east of Artesia, New Mexico on U.S. Highway 82 for 4.5 miles to the paved county road No. 201. Turn south on county road No. 201 for approximately 5.2 miles. Then turn east and go approximately 1/4 mile to location. (See Exhibit "A".)
- 2. PLANNED ACCESS ROAD:
  - A. Length and Width: A 200' road 12' wide will be constructed after going approximately 200' at the last turn east.
  - B. Construction: The new road will be 12' wide with a center crown, with 4 inches compacted caliche. The existing roads will be graded and topped with compacted caliche as needed.
  - C. Turnouts: None required.
  - D. Culverts: None required.
  - E. Cut and Fill: None.
  - F. Gates, Cattleguards: None required.
- 3. LOCATION OF EXISTING WELLS:
  - A. Existing wells within a two miles radius are shown on Exhibit "B".
- 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:
  - A. There are production facilities on the lease at this time. See Exhibit "B".

HONDO OIL & GAS COMPANY West Red Lake Unit Well No. 34 Page -2-

- B. If the oil well proves to be commercial, flow lines will be installed along the existing access roads to the storage tanks at an existing satellite production facility.
- 5. LOCATION AND TYPE OF WATER SUPPLY:
  - A. It is planned to drill the proposed well with fresh and brine water which will be obtained from commercial sources. The water will be transported over existing and proposed access roads.
- 6. SOURCES OF CONSTRUCTION MATERIALS:
  - A. Caliche for surfacing the proposed access road and wellsite pad will be obtained from a state pit approximately 4 miles east of location. The topsoil from the location will be stockpiled near the location for future rehabilitation use. No surface materials will be disturbed except those necessary for actual grading and levelling of the drill site and access road.
- 7. METHODS OF HANDLING WASTE DISPOSAL:
  - A. Drill cuttings will be disposed of in the reserve pits.
  - B. Drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry.
  - C. All pits will fenced with normal fencing materials to prevent livestock from entering the area.
  - D. Water produced during operations will be collected in tanks until hauled to an approved disposal system, or separate disposal application will be submitted to the BLM for approval.
  - E. Oil produced during operations will be stored in tanks until sold.
  - F. Current laws and regulations pertaining to the disposal of human waste will be complied with.
  - G. Trash, waste paper, garbage and junk will be buried in a separate trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind.
  - H. All trash and debris will be buried or removed from the wellsite within 30 days after finishing drilling and/or completion operations.
- 8. ANCILLARY FACILITIES:
  - A. None required.

HONDO OIL & GAS COMPANY West Red Lake Unit Well No. 34 Page -3-

- 9. WELLSITE LAYOUT:
  - A. Exhibit "C" shows the relative location and dimensions of the well pad, reserve pits, and major rig components. The pad and pit area has been staked and flagged.

• •••

- B. Mat Size: 140' X 140' plus reserve pits.
- C. Cut & Fill: The area has a slope of approximately 8 feet sloping from the northeast to the southwest.
- D. The surface will be topped with compacted caliche and the reserve pits will be plastic lined.
- 10. PLANS FOR RESTORATION OF THE SURFACE:
  - A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and the location cleaned of all trash and junk to leave the wellsite in as aesthetically pleasing a condition as possible.
  - B. Any unguarded pits containing fluids will be fenced until they are filled.
  - C. If the proposed well is non-productive, all rehabilitation and/ or vegetation requirements of the Bureau of Land Management will be complied with and will be accomplished as expeditiously as possible. All pits will be filled and levelled within 90 days after abandonment.
- 11. OTHER INFORMATION:
  - A. Topography: The well pad and access road are situated on the Mescalero Pediment, on the uplands ca. 1.8 miles northeast of the Pecos River floodplain, on the spine of a S/SW projecting gypsum-capped ridge, ca. 1 mile NW of Scoggin Draw and 1.8 miles E/NE of the Pecos River, within an area draining generally W/SW towards the Pecos Rier. The project is within an area of relatively shallow soils, in slightly inclined terrain which is subject to sheet wash and headward erosion of several arroyos, particulary in the SW quadrant of the well pad.
  - B. Soil: The well pad straddles the interface of Gypsum land and Gypsum-land Cottonwood complex.
  - C. Flora and Fauna: The vegetative cover is primarily one of grassland environment and scrub-grass scrub disclimax community. The wildlife consists of rabbits, coyotes, rattlesnakes, lizards, dove, quail and other wildlife typical of the semi-arid desert land.
    - D. Ponds and Streams: The Pecos River is located approximately 2 miles W/SW of the well site.

HONDO OIL & GAS COMPANY West Red Lake Unit Well No. 34 Page -4-

- E. Residences and Other Structures: None in the area.
- F. Land Use: Cattle grazing.
- G. Surface Owership: The proposed well site and existing access road are on Federal surface and minerals.
- H. An archaeological survey has been conducted by Archaeological Survey Consultants, P. O. Drawer D, Roswell, NM 88202, and copies have been submitted to the appropriate government agencies. The survey revealed no cultural material and therefore, archaeological clearance has been recommended.
- 12. OPERATOR'S REPRESENTATIVE:
  - A. The field representative responsible for assuring compliance with the approved surface use and operations plan is as follows:

Bruce Stubbs Hondo Oil & Gas Company P. O. Box 2208 Roswell, NM 88202 Office phone: 505/625-6729 Home phone: 505/623-6466

13. CERTIFICATION:

I hereby certify that I have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to be the best of my knowledge true and correct; and, that the work associated with the operations and proposed herein will be performed by Hondo Oil & Gas Company and its contractors and subcontractors in conformity with this plan and their terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Hondo Oil & Gas Company



990' FNL & 1770' FWL Sec.9-T18S-R27E Eddy Co., NM Paved Road Existing Access Road Proposed Road

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| Volley DEC) 5-25-54/ 6 0.07.<br>8-69 Sandbarg / Sweet From<br>Sweet From States<br>1 Santary Sterry - spinstere MJ Angel<br>1 Santary Sterry - spinstere MJ Angel  | Perker the State of the State o  | HHH (Gr. West n. 1)<br>199 (Davai) ss verifie<br>Str Disc (M.Wilson)   | Press Scapping- I ite 918)<br>asg Brow Fad At<br>1 4 20.2 MIL, "Cobb-Fed" Miller   | (OPER)<br>Yates Drig<br>"Mansen<br>"Mark"<br>"Tyotes 23-64 St. Uniful<br>Bober Pebge Depco Exxon   | Mobil M. CitSi   |
| Verfagert with Gewester (<br>Gewester with Gewester (<br>Gewester (<br>Gewester) (<br>Gewes   | 19 Constant Richteon  | RP195 Midwest i Yates Pet.<br>Midwest Inv. stal<br>Begle Forma Inc.<br>Mewa-<br>Kos  | 1 D.G. Stevens A.R.Co. ibiass<br>- Hendo-Fed. John H. Triss - Φε<br>TD 1715 HBP gun 1<br>δει21 - Scoggins-<br>Drew Fed.<br>TD 10056  | Baber Petro Depco Exxon<br>Baber Petro Depco Exxon<br>Well Serv Exxon 8 Hap<br>1-3018 8 Has 1 8 + 814  | Mobil AL CITSI<br>Local Reput 2<br>HBC Mobile CITSI<br>K. Vonts Pt. Voles III (1998)<br>Starts 1.0 Miles CITSI (1998)<br>Citsi Librid CITSI (1998)<br>(citsi CITS                                       |
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| Frend are Dywilson Line Grassen<br>Frend are Dywilson Line Grassen<br>Tan Line Line Strat Grassen  | (Gr. Westin) 468 (Intercondent)<br>(Yates Peri RidPrcos) Merbeb<br>A & Kaiser 41-78 1 26<br>GA (nase (Read E.)  | Marbob         Cara Ha           Prem. Disc.         31775           PIB         Harlan Oil           BH         Eliz           101666         HBC           JB/         OG0122  | Brainer A.R.Co.<br>John H. Trigg<br>Trigg Fro HBP<br>Pross Debili  | 31         31         67         Hgc           Yotes 15 Rei         (i)         (i)         (i)           31 · 183         1/136         Depcorted (i)         (i)           La renoi         67522         CK         Million           Szzen K         (ii)         (iii)         (iii)           Magnetic A <sup>+1</sup> (iii)         (iii)         (iiii)           Magnetic A <sup>+1</sup> (iii)         (iii)         (iii)   | Yates Drig 61<br>Perrezz 28° E Depco, era<br>State 29  |
| C.2 M Car  | M.D. Haclon Oill ***  | - 70/ </td <td>60" 100"<br/>100" 100" 100" 100"<br/>100" 100" 100" 100"<br/>100" 100" 100" 100"<br/>100" 100" 100" 100" 100"<br/>100" 100" 100" 100" 100" 100" 100" 100"</td> <td>Anodorida buli (Canadalia)<br/>B'ila B'ila B'ila B'ila në (18183) vo<br/>Magnalia B'ila në (18183) vo<br/>New Mex. (18113) State<br/> 26</td> <td>Depco) Yetts Theres<br/>36 643 36 Drig. 1<br/>36 643 36 01 01 01 01 01 01 01 01 01 01 01 01 01</td>  | 60" 100"<br>100" 100" 100" 100"<br>100" 100" 100" 100"<br>100" 100" 100" 100"<br>100" 100" 100" 100" 100"<br>100" 100" 100" 100" 100" 100" 100" 100"  | Anodorida buli (Canadalia)<br>B'ila B'ila B'ila B'ila në (18183) vo<br>Magnalia B'ila në (18183) vo<br>New Mex. (18113) State<br>26  | Depco) Yetts Theres<br>36 643 36 Drig. 1<br>36 643 36 01 01 01 01 01 01 01 01 01 01 01 01 01   |
| III SOF THE RECEIPT THESE  | Wilson Yares Pet Lund Yares<br>1 - 84 Jo Pecos Losmi (17.93)<br>19461 - 40 - 10<br>5/2  | Union of Inexcor<br>Union Toilis 7 - 1 - 79 13<br>13731 J.H. 9817 136<br>Trigg Yet   | Alight         Alight         J. H. Trigg           7U         8287         Fed           7U         8287         Fed           9297         Tobaca         Tobaca           9297         Tobaca         Tobaca  | В-1043 Merit<br>0  | 36 443 34 33 440<br>Tr. 2 25499 51474 61co<br>45 (1+ci) 50 (47<br>(470 150 (47) 1)<br>46 (50 (70 (54) 3)<br>46 (50 (70 (54) 3)<br>Pastog<br>52 53 (40 (7) (1)<br>52 53 (40 (7) (1))<br>53 (40 (7))<br>54 (43) (40 (7 |
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