Denver/Colorado 

Carlsbad/New Mexico

August 25, 1998

State of New Mexico Oil Conservation Division 2040 South Pacheco Santa Fe, NM 87505

Attn: Mr. Mike Stogner

Re: Jicarilla 459-20 No. 8

2205' FSL, 1530' FWL (NE SW) Unit K

Sec. 20, T30N-R03W Rio Arriba County, NM

Dear Mr. Stogner:

Mallon Oil Company received a Non Standard Location approval (NSL-2831) for the Pictured Cliffs formation.

In April 1998 Mallon Oil Company completed the well into the Cabresto Canyon; Ojo Alamo Extension formation which is also a non standard location.

Mallon Oil Company would like to apply for Non Standard Location approval for the Cabresto Canyon; Ojo Alamo Extension at the existing wellbore location.

Please find enclosed a copy of Mallon Oil Company's C-102 which was sent April 1998 and a copy of the completion report (3160-4).

Should you need any further information, Please contact the undersigned at 505-885-4596.

Sincerely,

MALLON OIL COMPANY

Duane C. Winkler Operations Manager

**Enclosures** 

| Furm 3160-4               | DEDAD                    | UNIT.                    |                       |                     | sua                                   | MIT IN D                               | UPLICATE*   | FORM                             | APPROVED        |  |
|---------------------------|--------------------------|--------------------------|-----------------------|---------------------|---------------------------------------|--|---|----------------------------------|-----------------|--|
| (July 1992)               |                          |                          | C. THE I              |                     | (See other instructions               |  |   | OMB NO. 1004-0137                |                 |  |
|                           | BUKE.                    | AU OF L                  | AND MANA              | JEMENT              |                                       | ON COVERS                              | - · · · ·   |                                  | bruary 28, 1995 |  |
| WELL CO                   | MPLETION (               | OR REC                   | OMPLETI               | ON REPOR            | TANDI                                 | 06 •                                   |   | 5 LEASE DESIGNATION AND          | SERIAL NO       |  |
| 1a TYPE OF WELL           | OIL                      | G/                       |                       | ON NET ON           | 1 AND I                               | -00                                    |   | Jic 459<br>6 IF JOAN ALLOTTEE CR | TOJOC MAUG      |  |
|                           | WELL                     | X w                      | ELL CR                | ү 🔲 отн <b>е)</b>   | 巨吗                                    | 131                                    | Med   | Jicarilla Apache                 | INIBE NAME      |  |
| b TYPE OF COMPLETION      | 4                        |                          | _                     |                     | <b>60</b>                             | SI                                     |   | UNIT AGREEMENT NAME              |                 |  |
|                           |                          | EP-                      | PLUG                  | OIFF                | Alle                                  | ^ ^                                    |   | N/A                              |                 |  |
| METT O                    | ER EN                    | <u>'</u>                 | BACK                  | RESVR               | Recomme                               | HI46 8                                 | 1998  | 8 FARM OR LEASE NAME V           | WELL NO         |  |
| 2 MAME OF OPERATOR        | Mallon C                 | )il Comr                 | any                   | <u>්</u> ව[         | III. RA                               | DVII                                   | DIIV  | Jicanila 459-20 N                | o. 8            |  |
| 3 ACCRESS AND TELEPHO     |                          | 991111                   | , dity                |                     | <u> </u>                              | 7000                                   |   | APIWELLNO                        |                 |  |
|                           |                          | 3256                     | Carlebad I            | VM 88220            | ונינעיי<br>רבספט                      | M. E                                   |   | 30-039-25787                     |                 |  |
| 4 LOCATION OF WELL        |                          |                          |                       |                     | (505) 8                               |  |   | 10 FIELD AND POOL OR W           |                 |  |
|                           | reportiocal<br>SCI 15201 | ron c:eany a<br>⊏\All /\ | nd in accordance      | e with any State re | quirements                            | 7                                      | ļ   | Cabresto Canyon; O               | jo Alamo Ext.   |  |
| At surface 2205           | FSL, 1530' (             | LAAF (M                  | E SW) Uni             | t K                 |                                       |  |   | 11 SEC T., R., M., CR BLOX       | CK AND SURVEY   |  |
| At top grod interval repo | and halous 2°            | טעבי בפו                 | 15201 57              | M. AIC CIAN         |                                       |  | ŀ   | OR APEA                          |                 |  |
| At top prod shiervar rept | med below 22             | 203 731                  | -, 1530 FV            | VL (NE SW)          | Unit K                                |  | 1   | Sec. 20, T30N-R3                 | W               |  |
| At total depth 2205       | FSL, 1530' I             | FWL (N                   | E SW) Uni             | t K 14 PERMI        | TNO O                                 | ATE ISS                                | UED   | 12. COUNTY OR PARISH             | 13 STATE        |  |
|                           |                          | `                        |                       | N/A                 | ا ا                                   | N/A                                    | 1   | Rio Arriba                       | NM              |  |
| 15 DATE SPUDDED           | 16. DAT                  | E TO REAC                | CHED 17 DAT           | E COMP (Ready I     | a Prod ) 1                            | 8. ELEV                                | ATION (DF. RI   | KB, RT GR, ET 19. ELEV. CA       | 1               |  |
| 3/8/98                    |                          | 16/98                    | 3/                    | 20/98               |                                       |  | 240 GL  |                                  | 7241            |  |
| 20 TOTAL DEPTH MD & TV    | <sup>(D</sup> 21         | PLUGBAC                  | K TD, MD & TV         | D 22. IF MULTIP     |                                       | 23 IN                                  | TERVALS   | ROTARY TOOLS                     | CABLE TOOLS     |  |
| 4090                      |                          | 4033'                    |                       | HOW MAN             |                                       | D.                                     | RILLED BY   | .,                               |                 |  |
| 24 PRODUCING INTERVAL     | (S) OF THIS COL          |                          | TOD COTTOU            | N/                  |                                       | ــــــــــــــــــــــــــــــــــــــ |   | Yes                              | N/A             |  |
|                           |                          |                          | TOP, BOTTOM,          | CONS CIMI SIMBILI   | IVD*}                                 |  | -   | 25 WAS DIRECTIONAL SURV          | VEY MADE        |  |
| 3277'-3326'               | Ojo Alan                 | 10                       |                       |                     |                                       |  |   | Yes                              |                 |  |
| 26 TYPE ELECTRIC AND C    |                          |                          |                       |                     |                                       |  |   | 27 NAS WELL CORED                |                 |  |
| GR, SDL, DSN,             | DIL, SGRD                |                          | 04011                 | 0.050000            |                                       |  |   | N/A                              |                 |  |
| 28 CASING SIZE/GRAD       | ne I wei                 | CULLDATE                 | CASIN                 | G RECORD            |                                       | t all si                               | rings set   | in well)                         |                 |  |
| 8-5/8" WEIGHT             |                          |                          | DEPTH SE<br>529'      |                     |                                       |  | OP OF CEMENT, CEMENTING RECORD 300 sxs class "B" circ |                                  | AMOUNT PULLED   |  |
|                           | <del></del>              |                          | - 025                 |                     |                                       |  |   | to surface                       |                 |  |
| 5-1/2" 15.5               |                          | 5.5 lbs                  | 4080'                 | 7-                  | 7/8"                                  | cmt                                    |   | circ 110 sxs to surface          |                 |  |
|                           |                          |                          |                       | <del></del>         |                                       | 101111                                 | 302 3,3,  | circ i iu sks to suitat          | <u></u>         |  |
| 29                        |                          | LINER                    | RECORD                |                     |                                       |  | 30  | TUBING RE                        | -L<br>-CORD     |  |
| N/A                       | TOP (MD                  | вот                      | TOM (MD)              | SACKS CEMENT        | • SCREE                               | N (MD)                                 | SIZE  | DEPTH SET (MD)                   | PACKER SET (MO) |  |
| INA                       |                          |                          |                       |                     | · · · · · · · · · · · · · · · · · · · |  | 1.9   | 3136'                            | 3137'           |  |
| 31 PERFORATION RECOR      | D (10)                   | lenval size              | and number)           |                     | T 22                                  |  | CID CITE  | 50.070.0                         |                 |  |
|                           | (,,,,                    | CIVAI, 3128.             | and number)           |                     | 32                                    |  |   | , FRACTURE, CEMENT               |                 |  |
| 3277'-3326' 4 jspf        | 156 holes                |                          |                       |                     | 3277'-:                               | INTERVA                                | AL (MD)   | A MOUNT AND KIND OF              |                 |  |
| , ,                       |                          |                          |                       |                     | 32113                                 | 3320                                   |   | 3400 gals of 7-1/2 %             |                 |  |
|                           |                          |                          |                       |                     |                                       |  |   | frac 48,120 lbs sand             |                 |  |
|                           |                          |                          |                       |                     |                                       |  |   |                                  |                 |  |
| <del> </del>              |                          |                          |                       |                     |                                       |  |   |                                  |                 |  |
| 33 .                      |                          | ·                        | PRODUC                |                     |                                       |  |   |                                  |                 |  |
| DATE FIRST PRODUCTION     |                          | 1                        |                       | O (Flowing, gas iii | ft, pumping -                         | size and                               | type of pump)   |                                  | Shut In)        |  |
| 5/1/98                    |                          | owing                    |                       |                     |                                       |  | SI  |                                  |                 |  |
| DATE OF TEST              | HOURS TESTED             | ) CH                     |                       | PROD'N FOR          | OIL - BBL                             |  | GAS - MCF   | WATER - BBL                      | GAS-OIL RATIO   |  |
| 2/24/02                   |                          | -                        |                       | TEST PERIOD         | 1                                     |  |   |                                  | 1               |  |
| 3/24/98                   | 24                       | une                      | 3/8"                  | <b>&gt;</b>         | 0                                     |  | 752   | 50                               | N/A             |  |
| FLOW TBG PRESS            | CASING PRESSI            |                          | LCULATED<br>HOUR RATE | OIL - BBL           | GAS                                   | - MCF                                  | WATER -   | BBL OIL GRAVITY - API (          | CORR.)          |  |

225 50 ACCEPTED FOR RECORD N/A 34 DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY Sold Kisor 35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED **Production Analyst** 

\*(See Instructions and Spaces for Additional Data on Reverse Side)

DISTRICT II P.O. Drawer DD, Artesia, N.M. 88211-0719

DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M. 87410

## OIL CONSERVATION DIVISION

P.O. Box 2088 Santa Fe, NM 87504-2088

Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

☐ AMENDED REPORT

PO Box 2088, Santa Fe, NM 87504-2088

|                   |               | W              | ELL L       | OCATIO             | N AND AC      | REAGE DEDI       | CATION PL     | ΑT            |                |  |  |
|-------------------|---------------|----------------|-------------|--------------------|---------------|------------------|---------------|---------------|----------------|--|--|
| ' API             |               | 1              | Pool Code   |                    | * Pool Name   |                  |               |               |                |  |  |
| 30-039-25787      |               |                |             |                    | ) Alamo       | Ext.             |               |               |                |  |  |
| 'Property Co      | ode           |                |             | * Well Number<br>8 |               |                  |               |               |                |  |  |
| OGRID No          |               |                | Elevation   |                    |               |                  |               |               |                |  |  |
| 013925            |               |                |             | 7240'              |               |                  |               |               |                |  |  |
| ·                 |               |                |             |                    | 10 Surface    | Location         |               |               |                |  |  |
| UL or lot no.     | Section       | Township       | Range       | lot ldn            | Feet from the | North/South line | Feet from the | East/West lin | County         |  |  |
|                   | 20            | 30-N           | 3-W         |                    | 2205          | SOUTH            | 1530          | WEST          | RIO ARRIBA     |  |  |
|                   | <del></del> - | 1              | 11 Botte    | om Hole            | Location I    | f Different Fr   | om Surface    |               |                |  |  |
| UL or lot no.     | Section       | Township       | Range       | Lot Idn            | Feet from the | North/South line | Feet from the | East/West lin | ie County      |  |  |
| 18 Dedicated Acre | s la Joint    | or Infill 14 C | onsolidatio | n Code 160         | rder No.      |                  |               |               |                |  |  |
| NO ALLOW          | ABLE W        | ILL BE A       | SSIGNE      | D TO TH            | S COMPLETI    | ON UNTIL ALL     | INTERESTS I   | HAVE BEEN     | N CONSOLIDATEI |  |  |

OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

