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William F. Carr

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August 22, 2002

HAND-DELIVERED

Lori Wrotenbery, Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
2040 South Pacheco Street
Santa Fe, New Mexico 87505

RECEIVED

AUG 22 2002

Oil Conservation Division

Re: Application of Mallon Oil Company for Administrative Approval of simultaneous dedication of wells to 17 standard gas spacing units in the Cabresto Canyon-Tertiary Pool, Rio Arriba County, New Mexico.

Dear Ms. Wrotenbery:

Pursuant to the provisions of the Division Rule 104.D (3) Mallon Oil Company ("Mallon") hereby files its application for an exception to the provisions of Division Rule 104.B (3) for approval of simultaneous dedication of all producing gas wells identified hereinafter on 17 standard 160-acre gas spacing and proration units in the Cabresto Canyon-Tertiary Pool. While the approval of this application in the Cabresto Canyon-Tertiary Pool will result in spacing of less than 160 acres per well, no spacing unit will have more than one well producing from a separate source of supply within the Cabresto Canyon - Tertiary Pool.

Mallon is the sole owner and operator of oil and gas mineral rights under the following four contract areas within the Jicarilla Apache Tribal Lands in Rio Arriba County, New Mexico:

- (1) Indian Mineral Development Agreement ("IMDA") No. 701-98-0013 currently comprising the following described 29,789.51 acres, more or less:

TOWNSHIP 28 NORTH, RANGE 2 WEST, NMPM

Sections 3 through 9:	All
Section 10:	NW/4
Sections 17 and 18:	All

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TOWNSHIP 29 NORTH, RANGE 2 WEST, NMPM

Sections 4 through 9:	All
Sections 15 through 23:	All
Sections 26 through 34:	All

TOWNSHIP 29 NORTH, RANGE 3 WEST, NMPM

Sections 1 and 2:	All
Sections 11 through 14:	All
Section 24:	All

TOWNSHIP 30 NORTH, RANGE 3 WEST, NMPM

Section 25:	All
Sections 27:	All
Section 28:	E/2
Sections 33 through 36:	All

- (2) IMDA 701-90-0002 currently comprising the following described 1219.02 acres, more or less:

TOWNSHIP 30 NORTH, RANGE 3 WEST, NMPM

Section 28:	W/2
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TOWNSHIP 31 NORTH, RANGE 3 WEST, NMPM

Section 5:	W/2
Section 6:	S/2
Section 32:	S/2

- (3) Jicarilla Contract No. 451 currently comprising 2536.29 acres, more or less, of the following described lands:

TOWNSHIP 29 NORTH, RANGE 3 WEST, NMPM

Sections 3 and 4:	All
Sections 9 and 10:	All

- (4) Jicarilla Contract No. 452 currently comprising 2235.53 acres, more or less, of the following described lands:

TOWNSHIP 29 NORTH, RANGE 3 WEST, NMPM

Sections 5 through 8:	All
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Mallon is partial owner but sole operator of oil and gas mineral rights underlying all or portions of seven other offsetting contract areas within the

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Jicarilla Apache Tribal Lands in Rio Arriba County, New Mexico as further described below:

- (1) Jicarilla Contract No. 457 currently comprising 2532.97 acres, more or less, of the following described lands:

TOWNSHIP 30 NORTH, RANGE 3 WEST, NMPM

Sections 3 and 4: All
Sections 9 and 10: All

- (2) Jicarilla Contract No. 458 currently comprising 2249.19 acres, more or less, of the following described lands:

TOWNSHIP 30 NORTH, RANGE 3 WEST, NMPM

Sections 5 through 8: All

- (3) Jicarilla Contract No. 459 currently comprising 2267.20 acres, more or less, of the following described lands:

TOWNSHIP 30 NORTH, RANGE 3 WEST, NMPM

Sections 17 through 20: All

- (4) Jicarilla Contract No. 460 currently comprising 1999.99 acres, more or less, of the following described lands:

TOWNSHIP 30 NORTH, RANGE 3 WEST, NMPM

Sections 15 and 16: All
Section 21: All

- (5) Jicarilla Contract No. 461 currently comprising 1972.12 acres, more or less, of the following described lands:

TOWNSHIP 30 NORTH, RANGE 3 WEST, NMPM

Sections 13 and 14: All
Section 24: All

- (6) Jicarilla Contract No. 462 currently comprising 1920.00 acres, more or less, of the following described lands:

TOWNSHIP 30 NORTH, RANGE 3 WEST, NMPM

Sections 22 and 23: All
Section 26: All

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- (7) Jicarilla Contract No. 464 currently comprising 2409.62 acres, more or less, of the following described lands:

TOWNSHIP 30 NORTH, RANGE 3 WEST, NMPM

Sections 29 through 32: All

Mallon is the operator of all spacing units to which it proposes to simultaneously dedicate wells. Furthermore, Mallon is the operator of all spacing units that offset the spacing units for which Mallon seeks approval of the simultaneous dedication of wells.

On August 31, 1999, certain amendments to Division Rule 104 became effective; therefore, those gas bearing zones developed on 160-acre spacing that are the subject of this application (the Cabresto Canyon-Tertiary Pool and the East Blanco-Pictured Cliffs Pool) within the boundary formed by combining all of the above-described Jicarilla Apache contract areas, are subject to current statewide rules for gas wells, which provide for: (i) 160-acre spacing and proration units, or drilling units; (ii) requires that wells be located no closer than 660 feet from the outer boundary of such tract nor closer than 10 feet to any quarter-quarter section or subdivision inner boundary; and (iii) limits the number of wells for each 160-acre drilling tract to only one.

On September 5, 2000, the Oil Conservation Division entered Nomenclature Order No. R-11445 which consolidated the Cabresto Canyon-San Jose Pool, the Cabresto Canyon-Nacimiento Pool and the Cabresto Canyon-Ojo Alamo Pool into one pool named the Cabresto Canyon-Tertiary Pool. Prior to the consolidation of these pools, Mallon had drilled wells to the San Jose formation on 15 of the 17 standard spacing units which are the subject of this application. When drilled, each of these 15 wells was drilled and completed in the Cabresto Canyon-San Jose Pool which was classified by the Division as a separate pool. However, at the time each of the subject San Jose formation wells was drilled, there was an existing well drilled to and completed in either the Nacimiento Formation, Cabresto Canyon-Nacimiento Pool, or the Ojo Alamo formation, Cabresto Canyon-Ojo Alamo Pool. Therefore, when the pools were consolidated on September 5, 2000, even though each well produced from a separate source of supply in the Tertiary formation, there were two wells in the new Cabresto Canyon-Tertiary Pool on each of these 15 spacing and proration units.

In addition to the 15 wells discussed above, the Jicarilla "459-20" No. 12 was drilled to the Pictured Cliffs formation on May 19, 1998 and the Jicarilla

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“459-20” SJ Well No. 12 was drilled and completed in the San Jose formation on August 29, 1998. The original well, the Jicarilla “459-20” Well No. 12 was then recompleted to the Ojo Alamo interval of the Cabresto Canyon-Tertiary Pool on July 8, 2001. *See* paragraph N below. Also, the Jicarilla “30-03-34” SJ Well No. 4 was drilled to the San Jose interval in the Cabresto Canyon-Tertiary Pool on January 28, 2000 and the Jicarilla “30-03-34” Well No. 4 was drilled to the Pictured Cliffs interval but completed in the Nacimiento and Ojo Alamo intervals of the Cabresto Canyon-Tertiary Pool on May 7, 2001. *See* paragraph Q below.

Mallon seeks an order approving the simultaneous dedication of the wells identified below to the following 17 standard spacing and proration units in the Cabresto Canyon-Tertiary Pool, in Rio Arriba County, New Mexico:

- A. To the standard gas spacing and proration unit comprised of the SE/4 of Section 7, Township 30 North, Range 3 West, NMPM, Mallon seeks approval of the simultaneous dedication of:
- (1) the Jicarilla “458” SJ Well No. 2 (**API No. 30-039-26182**) located 864’ from the South line and 1345 feet from the East line (Unit O) which is completed in the San Jose interval of the Cabresto Canyon-Tertiary Pool (perforated intervals 1452’ to 1646’), and
 - (2) the Jicarilla “458” Well No. 2 (**API No. 30-039-2486**) located 782 feet from the South line and 1446 feet from the East line (Unit O) which is completed in the the Ojo Alamo interval of Cabresto Canyon-Tertiary Pool (perforated intervals 3088’ to 3174’). In this well the Pictured Cliffs formation is isolated below a cast iron bridge plug.
- B. To the standard gas spacing and proration unit comprised of the SW/4 of Section 8, Township 30 North, Range 3 West, NMPM, Mallon seeks approval of the simultaneous dedication of:
- (1) the Jicarilla “458-8” SJ Well No. 9 (**API No. 30-039-26233**) located 1450 feet from the South line and 1350 feet from the West line (Unit K) which is completed in the San Jose interval of the Cabresto Canyon-Tertiary Pool (perforated intervals 1480’ to 1745’), and

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- (2) the Jicarilla "458-8" Well No. 9 (**API No. 30-039-25758**) located 1450 feet from the South and West lines (Unit K) which is completed in the the Ojo Alamo interval of the Cabresto Canyon-Tertiary Pool (perforated interval 3080' to 3126').
- C. To the standard gas spacing and proration unit comprised of the SE/4 of Section 8, Township 30 North, Range 3 West, NMPM, Mallon seeks approval of the simultaneous dedication of:
- (1) the Jicarilla "458-8" SJ Well No. 10 (**API No. 30-039-26178**) located 784 feet from the South line and 1286 feet from the East line (Unit P) which is completed in the San Jose interval of the Cabresto Canyon-Tertiary Pool (perforated interval 1462' to 1562'), and
 - (2) the Jicarilla "458-8" Well No. 10 (**API No. 30-039-25862**) located 800 feet from the South line and 1190 feet from the East line (Unit P) which is dually completed in the Nacimiento interval of the Cabresto Canyon-Tertiary Pool (perforated interval 2741' to 2960') and the Ojo Alamo interval of the Cabresto Canyon- Tertiary Pool (perforated interval 3099' to 3150'), However, the Nacimiento interval is currently shut-in.
- D. To the standard 151.31-acre gas spacing and proration unit comprised of the NE/4 of Section 8, Township 30 North, Range 3 West, NMPM, Mallon seeks approval of the simultaneous dedication of:
- (1) the Jicarilla "458-8" SJ Well No. 7 (**API No. 30-039-26271**) located at an approved unorthodox well location (Division Administrative Order NSL-4355) 2301 feet from the North line and 868 feet from the East line (Unit H) which is completed in the San Jose interval of the Cabresto Canyon-Tertiary Pool (perforated interval 1417' to 1538'), and
 - (2) the Jicarilla "458-8" Well No. 7 (**API No. 30-039- 25759**) located at an approved unorthodox well location (Division Administrative Order NSL-3993/3993A) 2270 feet from the North line and 795 feet from the East line (Unit H) which

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is downhole commingled in the Ojo Alamo interval of the Cabresto Canyon-Tertiary Pool (perforated interval 3133' to 3200') and the Nacimiento interval of the Cabresto Canyon -Tertiary Pool (perforated interval 2920'-3046').

- E. To the 152.12-acre standard gas spacing and proration unit comprised of the NW/4 of Section 9, Township 30 North, Range 3 West, NMPM, Mallon seeks approval of the simultaneous dedication of:
- (1) the Jicarilla "457-9" SJ Well No. 2 (**API No. 30-039-25905**) located 719 feet from the North line and 802 feet from the West line (Unit D) which is completed in the San Jose interval of the Cabresto Canyon-Tertiary Pool (perforated interval 1030' to 1703'), and
 - (2) the Jicarilla "457-9" Well No. 2 (**API No. 30-039-26064**) located 695 feet from the North line and 731 feet from the West line (Unit D) which is downhole commingled in the Ojo Alamo interval of the Cabresto Canyon-Tertiary Pool (perforated interval 3205' to 3282') and the Nacimiento interval of the Cabresto Canyon-Tertiary Pool (perforated interval 2372'-2392').
- F. To the standard gas spacing and proration unit comprised of the SW/4 of Section 9, Township 30 North, Range 3 West, NMPM, Mallon seeks approval of the simultaneous dedication of:
- (1) the Jicarilla "457" SJ Well No. 1 (**API No. 30-039-26245**) located 1498 feet from the South line and 1244 feet from the West line (Unit L) which is completed in the San Jose interval of the Cabresto Canyon-Tertiary Pool (perforated interval 1451' to 1622'), and
 - (2) the Jicarilla "457" Well No. 1 (**API No. 30-039-24106**) located 1450 feet from the South line and 1190 feet from the West line (Unit L) which is completed in the Ojo Alamo interval of the Cabresto Canyon-Tertiary Pool (perforated interval 3146' to 3247'). In this well the Pictured Cliffs formation is isolated below the cast iron bridge plug.

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- G. To the standard gas spacing and proration unit comprised of the NW/4 of Section 16, Township 30 North, Range 3 West, NMPM, Mallon seeks approval of the simultaneous dedication of:
- (1) the Jicarilla "460-16" SJ Well No. 1 (**API No. 30-039-25942**) located 1940 feet from the North line and 734 feet from the West line (Unit E) which is completed in the San Jose interval of the Cabresto Canyon-Tertiary Pool (perforated interval 1520' to 1778'), and
 - (2) the Jicarilla "460-16" Well No. 1 (**API No. 30-039-25760**) located 1850 feet from the North line and 690 feet from the West line (Unit E) which is completed in the Ojo Alamo interval of the Cabresto Canyon-Tertiary Pool (perforated interval 3164' to 3208').
- H. To the standard gas spacing and proration unit comprised of the SW/4 of Section 16, Township 30 North, Range 3 West, NMPM, Mallon seeks approval of the simultaneous dedication of:
- (1) the Jicarilla "460-16" SJ Well No. 4 (**API No. 30-039-26238**) located 771 feet from the south line and 1198 feet from the West line (Unit M) which is completed in the San Jose interval of the Cabresto Canyon-Tertiary Pool (perforated interval 1618' to 1682'), and
 - (2) the Jicarilla "460-16" Well No. 4 (**API No. 30-039-257845**) located 840 feet from the South line and 1180 feet from the West line (Unit M) which is completed in the Ojo Alamo interval of the Cabresto Canyon-Tertiary Pool (perforated interval 3247' to 3291').
- I. To the standard gas spacing and proration unit comprised of the NW/4 of Section 17, Township 30 North, Range 3 West, NMPM, Mallon seeks approval of the simultaneous dedication of:
- (1) the Jicarilla "459 SJ" Well No. 8 (**API No. 30-039-26230**) located at an approved unorthodox well location (Division Administrative Order NSL-4355) 286 feet from the North line and 1173 feet from the West line (Unit D) which is completed in the San Jose interval of the Cabresto Canyon-Tertiary Pool (perforated interval 1473' to 1622'), and

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(2) the Jicarilla "459" Well No. 8 (**API No. 30-039- 24305**) located at an approved unorthodox well location (Division Administrative Order NSL-2576A) 287 feet from the North line and 1072 feet from the West line (Unit C) which is completed in the the Ojo Alamo interval of the Cabresto Canyon-Tertiary Pool (perforated interval 3124' to 3222'). In this well the Pictured Cliffs formation is isolated below a cast iron bridge plug.

J. To the standard gas spacing and proration unit comprised of the SE/4 of Section 18, Township 30 North, Range 3 West, NMPM, Mallon seeks approval of the simultaneous dedication of:

(1) the Jicarilla "459" SJ Well No. 1 (**API No. 30-039-26241**) located 1572 feet from the South line and 896 feet from the East line (Unit I) which is completed in the San Jose interval of the Cabresto Canyon-Tertiary Pool (perforated interval 1502' to 1722'), and

(2) the Jicarilla "459" Well No. 1 (**API No. 30-039-24087**) located 1665 feet from the South line and 940 feet from the East line (Unit I) which is completed in the the Ojo Alamo interval of the Cabresto Canyon-Tertiary Pool (perforated interval 3136' to 3194'). In this well the Pictured Cliffs formation is isolated below a cast iron bridge plug

K. To the standard gas spacing and proration unit comprised of the NW/4 of Section 20, Township 30 North, Range 3 West, NMPM, Mallon seeks approval of the simultaneous dedication of:

(1) the Jicarilla "459" SJ Well No. 2 (**API No. 30-039-26232**) located 1648 feet from the North line and 700 feet from the West line (Unit E) which is completed in the San Jose interval of the Cabresto Canyon-Tertiary Pool (perforated interval 1549' to 1592'), and

(2) the Jicarilla "459" Well No. 2 (**API No. 30-039-24157**) located 1648 feet from the North line and 800 feet from the West line (Unit E) which is completed in the Ojo Alamo interval of the Cabresto Canyon-Tertiary Pool (perforated

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interval 3228' to 3252'). In this well the Pictured Cliffs formation is isolated below a cast iron bridge plug.

- L. To the standard gas spacing and proration unit comprised of the SE/4 of Section 20, Township 30 North, Range 3 West, NMPM, Mallon seeks approval of the simultaneous dedication of:
- (1) the Jicarilla "459-20" SJ Well No. 12 (**API No. 30-039-25941**) located 849 feet from the South line and 1888 feet from the East line (Unit O) which is completed in the San Jose interval of the Cabresto Canyon-Tertiary Pool (perforated interval 1059' to 1790'), and
 - (2) the Jicarilla "459-20" Well No. 12 (**API No. 30-039-25855**) located 790 feet from the South line and 1845 feet from the East line (Unit O) which is downhole commingled in the Pictured Cliffs formation, East Blanco-Pictured Cliffs Pool (perforated interval 3778' to 3848') and the Ojo Alamo interval of the Cabresto Canyon-Tertiary Pool (perforated interval 3276' to 3312').
- M. To the standard 175.86-acre gas spacing and proration unit comprised of the SW/4 of Section 21, Township 30 North, Range 3 West, NMPM, Mallon seeks approval of the simultaneous dedication of:
- (1) the Jicarilla "460" SJ Well No. 2 (**API No. 30-039-26229**) located 787 feet from the south line and 987 feet from the West line (Unit M) which is completed in the San Jose interval of the Cabresto Canyon-Tertiary Pool (perforated interval 1577' to 1726'), and
 - (2) the Jicarilla "460" Well No. 2 (**API No. 30-039-24112**) located 790 feet from the South line and 890 feet from the West line (Unit M) which is completed in the Ojo Alamo interval of the Cabresto Canyon-Tertiary Pool (perforated interval 3224' to 3286'). In this well the Pictured Cliffs formation is isolated below a cast iron bridge plug.
- N. To the standard gas spacing and proration unit comprised of the SW/4 of Section 28, Township 30 North, Range 3 West, NMPM, Mallon seeks approval of the simultaneous dedication of:

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- (1) the Jicarilla "30-03-28" SJ Well No. 1 (**API No. 30-039-26239**) located 1195 feet from the South line and 873 feet from the West line (Unit M) which is completed in the San Jose interval of the Cabresto Canyon-Tertiary Pool (perforated interval 1537' to 1579'), and
 - (2) the Jicarilla "30-03-28" Well No. 1 (**API No. 30-039-25130**) located 1195 feet from the South line and 773 feet from the West line (Unit M) which is completed in the Ojo Alamo interval of the Cabresto Canyon-Tertiary Pool (perforated interval 3149' to 3231'). In this well the Pictured Cliffs formation is isolated below a cast iron bridge plug.
- O. To the standard 177.31-acre gas spacing and proration unit comprised of the SW/4 of Section 29, Township 30 North, Range 3 West, NMPM, Mallon seeks approval of the simultaneous dedication of:
- (1) the Jicarilla "464" SJ Well No. 8 (**API No. 30-039-26234**) located 1844 feet from the south line and 1345 feet from the West line (Unit K) which is completed in the San Jose interval of the Cabresto Canyon-Tertiary Pool (perforated interval 1600' to 1642'), and
 - (2) the Jicarilla "464" Well No. 8 (**API No. 30-039-24253**) located 1850 feet from the South line and 1450 feet from the West line (Unit K) which is completed in the Ojo Alamo interval of the Cabresto Canyon-Tertiary Pool (perforated interval 3256' to 3308'). In this well the Pictured Cliffs formation is isolated below a cast iron bridge plug.
- P. To the standard gas spacing and proration unit comprised of the NW/4, Section 29, Township 30 North, Range 3 West, NMPM, Mallon seeks approval of the simultaneous dedication of:
- (1) the Jicarilla "464" SJ Well No. 7 (**API No. 30-039-26244**) located 1282 feet from the North line and 1152 feet from the West line (Unit D) which is completed (currently shut-

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in) in the San Jose interval of the Cabresto Canyon-Tertiary Pool (perforated interval 1701' to 1720'), and

- (2) the Jicarilla "464" Well No. 7 (**API No. 30-039-24301**) located 1190 feet from the North line and 1194 feet from the West line (Unit D) which is completed in the Ojo Alamo interval of the Cabresto Canyon-Tertiary Pool (perforated interval 3286' to 3334'). In this well the Pictured Cliffs formation is isolated below a cast iron bridge plug.

Q. To the standard gas spacing and proration unit comprised of the SE/4, Section 34, Township 30 North, Range 3 West, NMPM, Mallon seeks approval of the simultaneous dedication of:

- (1) the Jicarilla "30-03-34" SJ Well No. 4 (**API No. 30-039-26326**) located 2039 feet from the south line and 1977 feet from the East line (Unit J) which is completed in the San Jose interval of the Cabresto Canyon-Tertiary Pool (perforated interval 1648' to 1806'), and
- (2) the Jicarilla "30-03-34" Well No. 4 (**API No. 30-039-26733**) located 2066 feet from the South line and 2018 feet from the East line (Unit J) which is downhole commingled in the Nacimiento interval of the Cabresto Canyon-Tertiary Pool (perforated interval 2647' to 2667') and in the Pictured Cliffs formation, East Blanco-Pictured Cliffs Pool and the Ojo Alamo interval of the Cabresto Canyon-Tertiary Pool (perforated interval 3168' to 3234').

Attached hereto as **Exhibit A** is a plat which shows the subject 160-acre spacing units. **Exhibit B** is a book which contains data on each well which is the subject of this application including a copy of Oil Conservation Division Forms C-102 for each well which shows its surveyed location on each of the subject spacing units and related completion information which confirms the data set forth in this application.

Although each of these wells is operated by Mallon and each is located in one of the contract areas defined hereinabove, there are other working interest owners in certain of the offsetting Mallon operated spacing units which are the subject of this application. **Exhibit C** lists the parties which are affected by this application. A copy of this application, including a copy of

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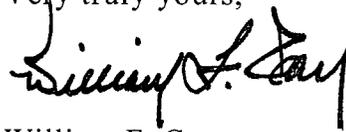
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the plat described above has been sent to these affected parties by certified mail-return receipt requested in accordance with Rule 1207 (A)(2) advising them that if they have an objection to this application it must be filed in writing with the Division's Santa Fe office within twenty days from the date this notice was sent.

A draft order for your consideration approving this application has been E-mailed to the Division and is enclosed in hard copy and on computer disk.

Your attention to this application is appreciated.

Very truly yours,



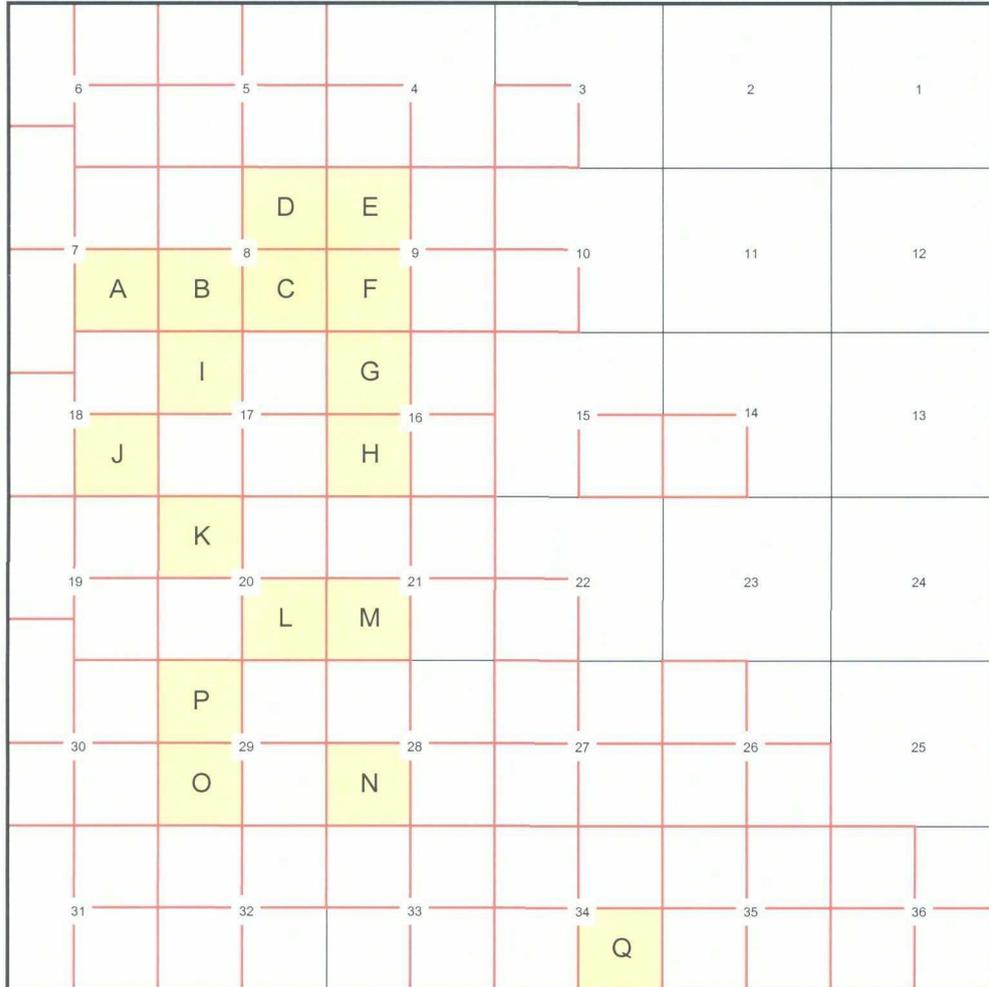
William F. Carr

Attorney for Mallon Oil Company

Enclosures

cc: George Mallon
Don Erickson
Patti L. Davis, CPL
Oil Conservation Division-Aztec

EXHIBIT "A"
Attached to Application for Simultaneous Dedication of Wells
Cabresto Canyon - Tertiary Pool
Township 30 North, Range 3 West, NMPM
Rio Arriba County, New Mexico



<u>Ref</u>	<u>WELL NAME</u>	<u>Formation</u>	<u>WELL NAME</u>	<u>Formation</u>
A	Jicarilla 458 SJ #2	San Jose	Jicarilla 458 #2	Ojo Alamo (PC below CIBP)
B	Jicarilla 458-8 SJ #9	San Jose	Jicarilla 458-8 #9	Ojo Alamo
C	Jicarilla 458-8 SJ #10	San Jose	Jicarilla 458-8 #10	Ojo Alamo (Nacimiento SI)
D	Jicarilla 458-8 SJ #7	San Jose	Jicarilla 458-8 #7	Ojo Alamo
E	Jicarilla 457-9 SJ #2	San Jose	Jicarilla 457-9 #2	Ojo Alamo / Nacimiento
F	Jicarilla 457 SJ #1	San Jose	Jicarilla 457 #1	Ojo Alamo (PC below CIBP)
G	Jicarilla 460-16 SJ #1	San Jose	Jicarilla 460-16 #1	Ojo Alamo
H	Jicarilla 460-16 SJ #4	San Jose	Jicarilla 460-16 #4	Ojo Alamo
I	Jicarilla 459 SJ #8	San Jose	Jicarilla 459 #8	Ojo Alamo (PC below BP)
J	Jicarilla 459 SJ #1	San Jose	Jicarilla 459 #1	Ojo Alamo (PC below CIBP)
K	Jicarilla 459 SJ #2	San Jose	Jicarilla 459 #2	Ojo Alamo (PC below CIBP)
L	Jicarilla 459-20 SJ #12	San Jose	Jicarilla 459-20 #12	Pictured Cliffs / Ojo Alamo
M	Jicarilla 460 SJ #2	San Jose	Jicarilla 460 #2	Ojo Alamo (PC below CIBP)
N	Jicarilla 30-03-28 SJ #1	San Jose	Jicarilla 30-03-28 #1	Ojo Alamo (PC below CIBP)
O	Jicarilla 464 SJ #8	San Jose	Jicarilla 464 #8	Ojo Alamo (PC below CIBP)
P	Jicarilla 464 SJ #7	San Jose (SI)	Jicarilla 464 #7	Ojo Alamo (PC below CIBP)
Q	Jicarilla 30-03-34 SJ #4	San Jose	Jicarilla 464 #3	Ojo Alamo / Nacimiento

EXHIBIT C

**APPLICATION OF MALLON OIL COMPANY
FOR ADMINISTRATIVE APPROVAL OF THE SIMULTANEOUS DEDICATION
OF WELLS TO 17 SPACING UNITS IN
THE CABRESTO CANYON-TERTIARY POOL,
RIO ARRIBA COUNTY, NEW MEXICO.**

NOTIFICATION LIST

El Paso Natural Gas Company
Post Office Box 1492
El Paso, Texas 79978

Bayless Grandchildren's Trust
C/o Tommy Roberts, Trustee
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Farmington, NM 87499

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Robert L. Bayless
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Farmington, NM 87401

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Burlington Resources Oil & Gas Co.
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Bristol, Indiana 46507

Robert, Peter and John Simmet
Simcote, Inc.
1645 Red Rock Road
St. Paul, MN 55119-6014

Phillip G. Lux
54369 Susquehanna Court
Elkhart, IN 46516

Eugene A. Lehman
68668 Blanchard Street
Sturgis, MI 49091

James R. Conway, Trustee
912 Cheney
Marion, OH 43302

William G. Dedert
Dedert Corporation
2000 Governors Drive
Olympia Fields, IL 60461

Roger R. Mitchell
113 Cypress Dove Lane
 Mooresville, NC 28117

Mr. Thurman Velarde
Jicarilla Apache Nation
Oil & Gas Administration
Post Office Box 507
Dulce, New Mexico 87528

Kevin M. Fitzgerald
66 North Ranch Road
Littleton, Colorado 80127

Ken Kamon
Post Office Box 10589
Midland, Texas 79702

Jaco Production Company
Post Office Box 1807
Bakersfield, CA 93303

HOLLAND & HART^{LLP}
ATTORNEYS AT LAW

DENVER • ASPEN
BOULDER • COLORADO SPRINGS
DENVER TECH CENTER
BILLINGS • BOISE
CHEYENNE • JACKSON HOLE
SALT LAKE CITY • SANTA FE
WASHINGTON, D.C.

P.O. BOX 2208
SANTA FE, NEW MEXICO 87504-2208
110 NORTH GUADALUPE, SUITE 1
SANTA FE, NEW MEXICO 87501-6525

TELEPHONE (505) 988-4421
FACSIMILE (505) 983-6043

William F. Carr

wcarr@hollandhart.com

August 22, 2002

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

TO ALL AFFECTED PARTIES

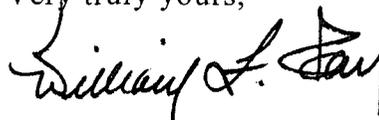
Re: Application of Mallon Oil Company for administrative approval of the simultaneous dedication of wells to 17 gas spacing and proration units in the Cabresto Canyon-tertiary Pool, Rio Arriba County, New Mexico.

Ladies and Gentlemen:

This letter is to advise you that Mallon Oil Company has filed the enclosed application with the New Mexico Oil Conservation Division seeking approval of the simultaneous dedication of wells to 17 standard gas spacing and proration units in the Tertiary formation, Cabresto Canyon-Tertiary Pool. A plat showing the location of the subject spacing and proration units in Township 30 North, Range 3 West, NMPM, Rio Arriba County, New Mexico is also enclosed.

As the owner of an interest which may be affected by this application you my object and request that it be set for hearing before a Division Examiner. All objections must be in writing and received by the Division at its Santa Fe office located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505 within 20 days of the date of this letter. In the absence of objection, this administrative application may be approved by the Division Director.

Very truly yours,



William F. Carr
ATTORNEY FOR MALLON OIL
COMPANY

Enclosures

cc: Ms. Patti Davis

Stogner, Michael

From: Stogner, Michael
Sent: Monday, September 23, 2002 3:50 PM
To: Ezeanyim, Richard
Cc: Wrotenbery, Lori
Subject: Mallon

Per your verbal directions to be this afternoon (3:00 p.m.), it is my understanding that Mallon's administrative request for simultaneous dedication on 17 existing spacing units and their pending Case No. 12892 are now considered my two priority assignments. As discussed it will be necessary for the Division to first consider the SD request before issuing a decision in Case No. 12892, since it was at the hearing in Aztec that their blatant disregard to the Division rules was discovered that lead to the SD filing.

Also, as a reminder I will be out tomorrow attending my one-day Leadership and Teambuilding seminar

***Mallon Oil
Company***

EXHIBIT B

**San Jose Wells Drilled
on Existing Spacing Units
Prior to Tertiary Pooling
Order No. R-11445
Effective 9/1/2000**

Jicarilla 458 SJ No. 2
SE/4 Section 7-30N-3W

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

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

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

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

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

AMENDED REPORT

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-26182-00-00		² Pool Code 97037	³ Pool Name CABRISTO CANYON TERTIARY
⁴ Property Code 24998	⁵ Property Name JICARILLA 458 S.J.		⁶ Well Number 2
⁷ OGRID No. 13925	⁸ Operator Name MALLON OIL CO.		⁹ Elevation 7008'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	7	30-N	3-W		864	SOUTH	1345	EAST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 160'	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---------------------------------------	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16

N 87° 58' 21" E 4,084.90'

FD. U.S.G.L.O.
BC. 1917

FD. U.S.G.L.O.
BC. 1917

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

Robert Blaylock

Signature _____
Printed Name ROBERT BLAYLOCK
Title DISTRICT MANAGER
Date 10/3/01

18 SURVEYOR CERTIFICATION
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 ability.

11-9-01
Date of Survey

[Signature]
Signature and Seal of Professional Surveyor

8894
Certificate Number

FD. U.S.G.L.O.
BC. 1917

S 89° 52' 42" E 4,097.70'

FD. U.S.G.L.O.
BC. 1917

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Mallon Oil Company

3. Address and Telephone No.

999 - 18th Street, Suite 1700, Denver, CO 80202 (303) 293-2333

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

864' FSL and 1345' FEL (SW SE), Unit O
Section 7-T30N-R3W

5. Lease Designation and Serial No.

6. If Indian, Allote or Tribe Name
Jicarilla Apache Tribe

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Jicarilla 458 SJ No. 2

9. Well API No.

30-039-26182

10. Field and Pool, or Exploratory Area

Cabresto Canyon, San Jose

11. County or Parish, State

Rio Arriba, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other: TD Change
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)

Mallon Oil Company would like to request an amendment to the APD for the above referenced well. Mallon Oil Company would like to change the total depth to 2100'.

RECEIVED
BLM
00 MAR 21 AM 10:31
DIP ALBUQUERQUE, N.M.

14. I hereby certify that the foregoing is true and correct

Signed Linda J. Wilkins

Title Engineering Technician

Date 3/16/00

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved By Patricia M Hester

Title Lands and Mineral Resources

Date 4-20-00

Conditions of approval, if any:

CONFIDENTIAL

Form 3160-5
(JUNE 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other:

2. Name of Operator
 Mallon Oil Company

3. Address and Telephone No.
 P.O. Box 2797 Durango, CO 81302 (970)382-9100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 864' FSL and 1345' FEL (SW SE) Unit O
 Sec. 7, T30N-R03W

5. Lease Designation and Serial No.

6. If Indian, Allote or Tribe Name
 Jicarilla Apache Tribe

7. If Unit or CA, Agreement Designation
 N/A

8. Well Name and No.
 Jicarilla 458 SJ No. 2

9. Well API No.
 30-039-26182

10. Field and Pool, or Exploratory Area
 Cabresto Canyon; San Jose Ext.

11. County or Parish, State
 Rio Arriba, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other: Spud Sundry
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)

Mallon Oil Company spud the above referenced well on November 17, 1999 at 3:00pm. Drilled 12-1/4" hole, 8-5/8" x 24 lb/ft surface casing was set at 238'. Cemented 120 sxs Class 3 cmt, circulated 12 sxs to surface.

99DEC-2 11:02:28
ALBUQUERQUE, N.M.

14. I hereby certify that the foregoing is true and correct
Signed Christy Soriano Title: Production Clerk Date 12-1-99

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)
Approved By [Signature] Title Petro-Eng. Date 02-02-00
Conditions of approval, if any:

U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

CONFIDENTIAL

2160-4
(1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL
on reverse side)

FORM APPROVED
OMB NO. 1004-0137

Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL
 OIL WELL GAS WELL DRY OTHER _____

b. TYPE OF COMPLETION
 NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF RESVR

5. LEASE DESIGNATION AND SERIAL NO.
Jic 458

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache Tribe

7. UNIT AGREEMENT NAME
N.A.

8. FARM OR LEASE NAME, WELL NO.
Jicarilla 458 SJ No. 2

2. NAME OF OPERATOR
Mallon Oil Company

9. API WELL NO.
30-039-26182

3. ADDRESS AND TELEPHONE NO.
P. O. Box 2797 Durango, CO 81302 (970) 382-9100

10. FIELD AND POOL, OR WILDCAT
Cabresto Canyon; San Jose Ext.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
At surface 864 FSI and 1345' FEL (SW SE) Unit O

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 7, T30N-R03W

At top prod. interval reported below 864 FSI and 1345' FEL (SW SE) Unit O

14. Permit No. N/A
Date Issued N/A

12. COUNTY OR PARISH Rio Arriba
13. STATE NM

15. DATE SPURRED
11/17/99

16. DATE TD REACHED
11/21/99

17. DATE COM (Ready to Prod.)
12/22/99

18. ELEVATION (DF, RKB, RT, GR)
7009

19. ELEV. CASINGHEAD
7010

20. TOTAL DEPTH, MD & TVD
2100'

21. PLUGBACK TD, MD & TVD
2028'

22. IF MULTIPLE COM HOW MANY*
→

23. INTERVALS DRILLED BY
→

ROTARY TOOLS
Yes

CABLE TOOLS
No

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)
1641'-1646', 1474'-1485', 1452'-1461' Cabresto Canyon; San Jose Ext.

25. WAS DIRECTIONAL SURVEY MADE
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
DIL; SDL/DSN

27. WAS WELL CORED
No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24	238'	12-1/4"	cmt 120 sxs Type 3 cmt, circ 12 sxs to surface	
4-1/2"	11.6	2097'	6-3/4"	cmt 350 sxs 50:50 poz circ 48 sxs to surface	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)
N.A.				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
1.9	1453'	

31. PERFORATION RECORD (Interval, size, and number)
 1641'-1646', 1474'-1485', 1452'-1461'
 2 JSPF (50 holes)
 Cabresto Canyon; San Jose Ext.

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
 DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
 1641'-1646' acidize 800 gal 7-1/2% HCL acid
 1474'-1461' acidize 2080 gal 7-1/2% HCL acid,
 frac 32,000 gal 75% N2 foam, 17,000
 lbs 12/20 Brady Sand; 25,000 lbs 12/20
 sand

33. PRODUCTION

DATE FIRST PRODUCTION 12/23/99 PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing WELL STA (Producing or Shut In) Producing

DATE OF TEST 12/14/99 HOURS TESTED 24 CHOKE SIZE 3/8" PROD'N FOR TEST PERIOD → OIL - BBL 0 GAS - MCF 197 WATER - BBL 24 GAS-OIL RATIO N.A.

FLOW TBG PRESS 50 CASING PRESSURE 0 CALCULATED 24-HOUR RATE → OIL - BBL 0 GAS - MCF 197 WATER - BBL 24 OIL GRAVITY - API (CORR.) N.A.

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold

TEST WITNESSED BY
J. Angel

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
 Christy Serrano (Christy Serrano) Production Secretary DATE 1-20-00

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

Title 18 U.S.C. 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

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ACCEPTED FOR RECORDS

Page () of ()

POROUS ZONES: (Show all important zones of porosity and contents thereof, and all intervals, and all tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME		MEAS. DEPTH	VERT DEPTH
					TOP		
				San Jose		1405'	

CONFIDENTIAL

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Form 3160-3
(July 1992)

RECEIVED
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE
(Other instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
Drill Deepen

b. TYPE OF WELL
Oil Well Gas Well Other Single Zone Multiple Zone

2. NAME OF OPERATOR
Mallon Oil Company 013925

3. ADDRESS AND TELEPHONE NO.
P.O. Box 2797
Durango, CO 81302 (970) 382-9100

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 686' FSL and 1406' FEL (SW/SE) Unit O
At proposed prod. zone 686' FSL and 1406' FEL (SW/SE) Unit O

5. LEASE DESIGNATION AND SERIAL NO.
JIC 458

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME
N/A 24998

8. FARM OR LEASE NAME, WELL NO.
Jicarilla 458SJ No. 2

9. API WELL NO.
30-039-26182

10. FIELD AND POOL, OR WILDCAT
Cabresto Canyon, San Jose ext.

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
Sec. 7, T30N-R03W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE *
50 miles east of Bloomfield, New Mexico

15. DISTANCE FROM PROPOSED *
LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
686'
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE
2,560

17. NO. OF ACRES ASSIGNED TO THIS WELL
160

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.
100'

19. PROPOSED DEPTH
1800'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (SHOW WHETHER DF, RT, GR, Etc.)
7008' GR

22. APPROX. DATE WORK WILL START
09/01/99

RECEIVED
OCT - 8 1999
OIL CON. DIV

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	500'	Circulate to surface
7-7/8"	4-1/2"	14.7#	1800'	300 sks 50/50 Poz w/additive

Mallon Oil Co. proposes to drill this well to an approximate TD of 1800' in the San Jose formation. This well is placed on an existing well pad. Some additional pad extension may be required. The Jicarilla oil and Gas Administration has waived any necessity of re-onsiting the well pad as long as any required archaeology survey is submitted. Environmental assessment was previously submitted under the initial well APD. If productive, 4-1/2" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with Federal regulations. Specific programs as per on-shore Oil and Gas Order No. 1 are outlined in the following attachments:

- Drilling Program
- Exhibit 1: Blow Out Preventer Equipment/Plan
 - Exhibit A: Location and Elevation Plat
 - Exhibit B: Roads and Pipelines
 - Exhibit C: One Mile Radius Map
 - Exhibit D: Drilling Site Layout
 - Exhibit E: Production Facilities
 - Exhibit F: H2S Contingency Plan
 - Exhibit G: Archaeology Report

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: Terry Lindeman TITLE: Operations Superintendent DATE: 07/26/99

(This space for Federal or State office use)
PERMIT NO. APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:
APPROVED BY: Stephen Fischer TITLE: Acting Cost Field Mgr DATE: 10/4/99

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONFIDENTIAL

OK

Jicarilla 458 No. 2
SE/4 Section 7-30N-3W

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

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

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

OIL CONSERVATION DIVISION

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

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

AMENDED REPORT

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-24086-00-00		*Pool Code 97037	*Pool Name CABRISTO CANYON TERTIARY
*Property Code 204604	*Property Name JICARILLA 458		*Well Number 2
*OGRID No. 13925	*Operator Name MALLON OIL CO.		*Elevation 7008'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	7	30-N	3-W		782	SOUTH	1446	EAST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 160'	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---------------------------------------	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>18</p> <p>N 87° 58' 21" E 4,084.90'</p> <p>FD. U.S.G.L.O. BC. 1917</p>	<p>17</p> <p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>[Signature]</i></p> <p>Signature</p> <p>ROBERT BLAYLOCK</p> <p>Printed Name</p> <p>DISTRICT MANAGER</p> <p>Title</p> <p>10/3/01</p> <p>Date</p>

S 89° 52' 42" E 4,097.70'

782'

1446'

N 01° 33' W 5115.5'

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
AMENDED

SUBMIT IN DUPLICATE
(See other instructions
on reverse side)

FORM APPROVED
OMB NO 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO
Jicarilla Contract 458

1a TYPE OF WELL OIL GAS
WELL WELL DRY OTHER

6 IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache Tribe

b TYPE OF COMPLETION
NEW WORK DEEP- PLUG DIFF
WELL OVER EN BACK RESVR OTHER

7 UNIT AGREEMENT NAME

2 NAME OF OPERATOR
Mallon Oil Company

8 FARM OR LEASE NAME, WELL NO
Jicarilla 458 No. 2

3 ADDRESS AND TELEPHONE NO
P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596

9 API WELL NO.
30-039-24086

4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
At surface 790' FSL and 1450' FEL

10 FIELD AND POOL, OR WILDCAT
E. Blanco, Ojo Alamo

At top prod. interval reported below 790' FSL and 1450' FEL

11 SEC. T., R., M., OR BLOCK AND SURVEY
OR AREA

At total depth 790' FSL and 1450' FEL

Sec. 7, T30N-R3W

14. PERMIT NO. DATE ISSUED 12 COUNTY OR PARISH 13. STATE
Rio Arriba New Mexico

15. DATE SPUNDED 16. DATE TD REACHED 17. DATE COMP (Ready to Prod.) 18. ELEVATION (DF, RKB, RT, GR, ETC*) 19. ELEV. CASINGHEAD
12/2/86 12/9/86 11/9/97

20. TOTAL DEPTH, MD & TVD 21. PLUGBACK TD, MD & TVD 22. IF MULTIPLE COMP., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS
3960' 3549' 0 - TD

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*) 25. WAS DIRECTIONAL SURVEY MADE
3088'-3110', 3134'-3174' Ojo Alamo No

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED
Bond Log No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
7-5/8"	26.4 #	145'	9-7/8"	135 sxs Class B	
4-1/2"	11.6 #	3945'	6-3/4"	225 sxs 50/50 Poz	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	2991'	2991'

31. PERFORATION RECORD (Interval, size, and number) 32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

PERFORATION RECORD	ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
3088'-3110' 3134'-3174' 4 JSPF .34" dia	3088'-3174' 65,443 gals 75/70 Quality N2 foam with 55,800 bis 12/20 sand

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)	WELL STATUS (Producing or Shut In)					
11/16/97	Flowing	Producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
11/8/97	24	3/8"		0	1420	18	
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)	
400	0						

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY
Sold Jeff Davis

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 *H. P. Davis* TITLE Production Analyst DATE 12/12/97

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

Title 18 U.S.C. 1001 makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____
 b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. REVS. Other _____

2. NAME OF OPERATOR
Robert L. Bayless

3. ADDRESS OF OPERATOR
P.O. Box 168, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At surface 790' FSL & 1450' FEL
 At top prod. interval reported below
 At total depth same
 same

RECEIVED
FEB 04 1987

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

14. PERMIT NO. _____ DATE ISSUED _____

15. DATE SPUDDED 12/02/86 16. DATE T.D. REACHED 12/09/86 17. DATE COMPL. (Ready to prod.) 12/24/86 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 7008' GL; 7021' RKB 19. ELEV. CASINGHEAD _____

20. TOTAL DEPTH, MD & TVD 3960' 21. PLUG, BACK T.D., MD & TVD 3891' RKB 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS 0 - TD CABLE TOOLS _____

24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* _____ 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN PC: 3635 - 3699 27. WAS WELL CORED No

TEL. CNL - FDC; GR/CLL

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7 5/8"	26.4#/ft	145' RKB	9 7/8"	75sx Class "B" w/3% CaCl ₂	-88.5ft ³
4 1/2"	11.6#/ft	3946' RKB	6 3/4"	225sx 50/50 pozmix w/2% gel	-284 ft ³

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/2	3652' RKB	None

31. PERFORATION RECORD (Interval, size and number)		32. ACID. SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	SIZE	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3635 - 3647	2 JSPF	3635 - 3699' RKB	500 gal 7 1/2 DI weighted HCL w/117 l.lsg RCN ball sealers; 80,000 gal. 70 quality foam w/ 989.550 SCF nitrogen-739 bbls.
3661 - 3671	78 holes		
3674 - 3680	.34"		
3690 - 3699			

33. PRODUCTION

DATE FIRST PRODUCTION waiting on hookup PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) flowing WELL STATUS (Producing or shut-in) SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
01/03/87	3	3/4	→	-0-	403	-0-	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
252 psig	802 psig	→	-0-	3221	-0-	-0-

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) vented TEST WITNESSED BY Ball

LIST OF ATTACHMENTS _____

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

SIGNED Kevin H. McQuinn TITLE Engineer DATE 02/02/87

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

ACCEPTED FOR RECORD

FEB 03 1987

OPERATION

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
OJO ALAMO	3074	3301	water	OJO ALAMO	3074	
KIRTLAND	3301	3430	water	KIRTLAND	3301	
FRUITLAND	3430	3633	water and natural gas	FRUITLAND	3430	
P.C.	3633	3961	natural gas	P.C.	3633	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLIC
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.
Jicarilla Contract 458

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Jicarilla 458

9. WELL NO.
2

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
Sec. 7, T30N, R3W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

RECEIVED
DEC 04 1986

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Robert L. Bayless

3. ADDRESS OF OPERATOR
P.O. Box 168, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
790' FSL & 1450' FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

7008' GL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

(Other) Spud, set surface csq.

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Spud well at 1:00 p.m. 12/2/86. Drilled 147 ft. of 9-7/8" surface hole. Ran 3 jts., 132.73 ft. of 7-5/8", 26.4#/ft. S-95 used casing and landed at 145 ft. RKB. Rigged up Dowell. Cemented surface casing with 60 sacks of Class B cement with 3% CaCl₂. Good circulation throughout job. Did not circulate any cement - possibly only 35 sacks pumped. Circulate cement out of hole. Wait on more cement. Cemented surface with 75 sacks of Class B (88.5 ft.³) cement with 3% CaCl₂. Good circulation throughout job. Circulated cement to the surface. Plug down at 10:00 p.m. 12/2/86. WOC.

ACCEPTED FOR RECORD

DEC 09 1986

FARMINGTON RESOURCE AREA

BY CSB

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Operator

DATE

12/4/86

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

OPERATOR

Jicarilla 458-8 SJ No. 9
SW/4 Section 8-30N-3W

DISTRICT I
P.O. Box 1960, Hobbs, N.M. 88241-1960

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1984
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

AMENDED REPORT

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

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-26233-00-00		Pool Code 97037	Pool Name CABRISTO CANYON TERTIARY
Property Code 24591	Property Name JICARILLA 458-8 S.J.		Well Number 9
GRID No. 13925	Operator Name MALLON OIL CO.		Elevation 7044'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	8	30-N	3-W		1450	SOUTH	1350	WEST	RIO ARriba

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.
------------------------	-----------------	--------------------	-----------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16 FD. U.S.G.L.O. BC. 1917 5,115.5' N 00-01-33 W 1350' EXISTING WELL 1450' S 89-58-35 5278.1' FD. U.S.G.L.O. BC. 1917	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <i>Robert Blaylock</i> Printed Name: ROBERT BLAYLOCK Title: DISTRICT MANAGER Date: 10/3/01		
	18 SURVEYOR CERTIFICATION 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 belief. Date of Survey: 7-2-02 Signature and Seal of Professional Surveyor: <i>[Signature]</i> Certificate Number: 8894 FD. U.S.G.L.O. BC. 1917		

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DATE
(See other instructions
on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF RESVR

2. NAME OF OPERATOR: Mallon Oil Company

3. ADDRESS AND TELEPHONE NO.: 999 - 18th St., Suite 1700, Denver, CO 80202 303-293-2333

4. LOCATION OF WELL: (Report location clearly and in accordance with any State requirements)
At surface 1450' FSL and 1350' FWL (NE SW), Unit K
At top prod. interval reported below 1450' FSL and 1350' FWL (NE SW), Unit K
At total depth 1450' FSL and 1350' FWL (NE SW), Unit K

14. Permit No. N/A Date issued N/A

12. COUNTY OR PARISH Rio Arriba 13. STATE NM

5. LEASE DESIGNATION AND SERIAL NO. Jic 458

6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache

7. UNIT AGREEMENT NAME N/A

8. FARM OR LEASE NAME, WELL NO. Jicarilla 458-8 SJ No. 9

9. API WELL NO. 30-039-26233

10. FIELD AND POOL, OR WILDCAT Cabresto Canyon, San Jose

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 8-T30N-R03W

15. DATE SPUDDED 12/16/99 16. DATE TD REACHED 12/20/99 17. DATE COMP (Ready to Prod.) 01/21/00 18. ELEVATION (DF, RKB, RT, GR, ET) 7044' 19. ELEV. CASINGHEAD 7056'

20. TOTAL DEPTH, MD & TVD 1840' 21. PLUGBACK TD, MD & TVD 1815' 22. IF MULTIPLE COMPS., HOW MANY? _____ 23. INTERVALS DRILLED BY: ROTARY TOOLS Yes CABLE TOOLS _____

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD): 1480'-1500', 1536'-1560', 1564'-1580', 1634'-1648', 1656'-1670', 1698'-1712', 1716'-1730', 1736'-1745'

25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray Compensated Neutron Log 27. WAS WELL CORED No

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	213'	12-1/4"	cmt 100 sx Type 3 cmt	
				circ 30 sxs to surface	
4-1/2"	11.6#	1835'	6-3/4"	cmt 400 sx Type 3 cmt	
				circ 18 sx to surface	

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N.A.					2-3/8"	1479'	

31. PERFORATION RECORD (Interval, size, and number)	32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1634'-1648', 1656'-1670', 1698'-1712', 1716'-1730', 1736'-1745' 2 JSPF (130 holes) 1564'-1580' 2JSPF (32 holes), 1536'-1560' 2 JSPF (28 holes) 1480'-1500' 2 JSPF (40 holes) Cabresto Canyon, San Jose	1634'-1670'	acidize 1725 gals 7-1/2" HCL
	1698'-1745'	acidize 2275 gals 7-1/2" HCL
	1480'-1580'	acidize 5000 gals 7-1/2" HCL
	1480'-1745'	frac 55,560# 12/20 Brady sand,
	1480'-1745'	5940# 8/14 Flex, 259 MSCF Nitrogen

33. PRODUCTION

DATE FIRST PRODUCTION 1/29/00 PRODUCTION METHOD Flowing WELL STAT Producing

DATE OF TEST 1/24/00 HOURS TESTED 24 CHOKE SIZE 3/8" PROD'N FOR TEST PERIOD 0 OIL - BBL 380 GAS - MCF 15 WATER - BBL 15 OIL GRAVITY - API (CORR.) N/A GAS-OIL RATIO N/A

FLOW TBG PRESS 110 CASING PRESSURE 0 CALCULATED 24-HOUR RATE 0 OIL - BBL 380 GAS - MCF 15 WATER - BBL 15 OIL GRAVITY - API (CORR.) N/A GAS-OIL RATIO N/A

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold TEST WITNESSED BY M. Davis

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 Linda D. Wilkins (Linda Wilkins) Engineering Technician DATE 3/14/00

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT DEPTH
				L. San Jose	1420	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other:

2. Name of Operator

Mallon Oil Company

3. Address and Telephone No.

P.O. Box 2797 Durango, CO 81302 (970)382-9100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1450' FSL and 1350' FWL (NE SW) Unit K
Sec. 8, T30N-R03W

5. Lease Designation and Serial No.

Jic 458

6. If Indian, Allotee or Tribe Name

Jicarilla Apache Tribe

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Jicarilla 458-8 SJ No. 9

9. Well API No.

30-039-26233

10. Field and Pool, or Exploratory Area

Cabresto Canyon; San Jose Ext.

11. County or Parish, State

Rio Arriba, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other: Spud Sundry
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)*

Mallon Oil Company spud the aboce referenced well on December 16, 1999. Drilled 12-1/4" hole, 8-5/8' x 24 lb/ft surface casing was set at 213'. Cemented 130 sxs Type 3 cmt, circulated 30 sxs to surface.

14. I hereby certify that the foregoing is true and correct

Signed Christy Serrano

Title Production Clerk

Date 1-11-00

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved B Patricia M. Kesh

Title Lands and Mineral Resources

Date 1-21-00

Conditions of approval, if any:

U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

CONFIDENTIAL

CONFIDENTIAL

Form 3160-3
(July 1992)

RECEIVED
BLM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires February 28, 1995

27 APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
b. TYPE OF WELL Directional Drilling Deepen
Oil Well Gas Well Other Single Zone Multiple Zone

2. NAME OF OPERATOR
Mallon Oil Company

3. ADDRESS AND TELEPHONE NO.
P.O. Box 2797
Durango, CO 81302 (970) 382-9100

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface **1450' FSL and 1350' FWL (NE/SW) Unit K**
At proposed prod. zone **1450' FSL and 1350' FWL (NE/SW) Unit K**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE *
50 miles east of Bloomfield, New Mexico

15. DISTANCE FROM PROPOSED * LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. **1450'**
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE **2,560**

17. NO. OF ACRES ASSIGNED TO THIS WELL **155**

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. **100'**

19. PROPOSED DEPTH **1800'**

20. ROTARY OR CABLE TOOLS **Rotary**

21. ELEVATIONS (SHOW WHETHER DF, RT, GR, Etc.) **7044' GR**

22. APPROX. DATE WORK WILL START **09/01/99**

5. LEASE DESIGNATION AND SERIAL NO.
JIC 458

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME, WELL NO.
Jicarilla 458-8SJ No. 9

9. API WELL NO.

10. FIELD AND POOL, OR WILDCAT
Cabresto Canyon, San Jose ext.

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 8, T30N-R03W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	500'	Circulate to surface
7-7/8"	4-1/2"	14.7#	1800'	300 sks 50/50 Poz w/additive

Mallon Oil Co. proposes to drill this well to an approximate TD of 1800' in the San Jose formation. This well is placed on an existing well pad. Some additional pad extension may be required. The Jicarilla oil and Gas Administration has waived any necessity of re-onsiting the well pad as long as any required archaeology survey is submitted. Environmental assessment was previously submitted under the initial well APD. If productive, 4-1/2" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with Federal regulations. Specific programs as per on-shore Oil and Gas Order No. 1 are outlined in the following attachments:

- Drilling Program
- Exhibit 1: Blow Out Preventor Equipment/Plan
 - Exhibit A: Location and Elevation Plat
 - Exhibit B: Roads and Pipelines
 - Exhibit C: One Mile Radius Map
 - Exhibit D: Drilling Site Layout
 - Exhibit E: Production Facilities
 - Exhibit F: H2S Contingency Plan
 - Exhibit G: Archaeology Report

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: [Signature] TITLE: Operations Superintendent DATE: 07/26/99
Lefry Lindeman

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY: Cement will be circulated to surface

APPROVED BY [Signature] TITLE Asst. Field Mgr DATE 9/24/99

*See Instructions On Reverse Side

18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONFIDENTIAL

Jicarilla 458-8 No. 9
SW/4 Section 8-30N-3W

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5 LEASE DESIGNATION AND SERIAL NO
Jicarilla 458

6 IF INDIAN ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7 UNIT AGREEMENT NAME
N/A

8 FARM OR LEASE NAME, WELL NO
Jicarilla 458-8 No. 9

9 API WELL NO
30-039-25758

10 FIELD AND POOL OR WILDCAT
Cabresto Canyon, Ojo Alamo Ext.

11 SECTION, RANGE OR BLOCK AND SURVEY OR AREA
Sec. 8, T30N-R03W

1a TYPE OF WELL
OIL WELL GAS WELL DRY OTHER

b TYPE OF COMPLETION
NEW WORK DEEP PLUG DIFF
WELL OVER EN BACK RESVR OTHER

2 NAME OF OPERATOR
Mallon Oil Company

3 ADDRESS AND TELEPHONE NO
P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596

4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface **1450' FSL, 1450' FWL Unit K (NE/SW)**
At top prod. interval reported below **1450' FSL, 1450' FWL Unit K (NE/SW)**
At total depth **1450' FSL, 1450' FWL Unit K (NE/SW)**

14. PERMIT NO **N/A** DATE ISSUED **N/A** 12. COUNTY OR PARISH **Rio Arriba** 13 STATE **NM**

15 DATE SPUDDED **2/7/98** 16. DATE TD REACHED **02/13/98** 17. DATE COMP (Ready to Prod.) **3/10/98** 18. ELEVATION (DF, RKB, RT, GR, ETC.) **7046.6 GL** 19 ELEV CASINGHEAD **7046.6**

20 TOTAL DEPTH, MD & TVD **3908'** 21 PLUGBACK TD, MD & TVD **3871'** 22 IF MULTIPLE COMP. HOW MANY* **N/A** 23. INTERVALS DRILLED BY **YES** ROTARY TOOLS **NA** CABLE TOOLS

24 PRODUCING INTERVAL (S) OF THIS COMPLETION - TOP BOTTOM, NAME (MD AND TVD)
3080'-3090', 3100'-3126' 25 WAS DIRECTIONAL SURVEY MADE **N/A**

26 TYPE ELECTRIC AND OTHER LOGS RUN
DIL / SGRD, SDL / DSN 27 WAS WELL CORED **N/A**

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8 5/8	11.6 lb	3908'	12 1/4"	325 sxs class B circ 100 sxs to surface	
4 1/2	25 lb	498'	7 3/8	625 sxs, Circ 50 sxs to surface	

LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					2 3/8	2947'	2948'

TUBING RECORD

31 PERFORATION RECORD (Interval, size, and number)
3080'-9090 4 jspf 40 holes
3100'-3126' 4 jspf 104 holes

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
3080'-3126' 2500 gals 7.5% acid

PRODUCTION

33 - DATE FIRST PRODUCTION **03/10/98** PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) **Flowing** WELL STATUS (Producing or Shut In) **Producing**

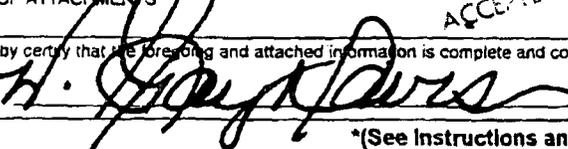
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
02/21/98	24	3/8"		0	1932	120	0

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)
600	0		0	1932	120	0

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Sold** TEST WITNESSED BY **Kisor**

35. LIST OF ATTACHMENTS

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

SIGNED  TITLE **Production Analyst** DATE _____

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents of cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flow, and shut-in pressures, and recoveries):

38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Ojo Alamo	3068'	
				Kirtland	3310	
				Fruitland	3520	
				Pictured Cliffs	3638	
				Lewis	3716	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0125
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. JIC 458
2. Name of Operator Mallon Oil Company	6. Indian, Allottee or Tribe Name Jicarilla Apache
3. Address and Telephone No. P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596	7. Unit or CA Agreement Designation N/A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1450' FSL and 1450' FWL (NE SW) Unit K Sec. 8, T30N-R03W	8. Well Name and No. Jicarilla 458-8 No. 9
	9. Well APN No. 30-039-25758
	10. Field and Pool, or Exploratory Area East Blanco, Pictured Cliffs
	11. County or Parish, State Rio Arriba County, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other: Spud <input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water
	<small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)

Mallon Oil Company spud the above referenced well on 2/7/98 at 12:00 am. Drilled 12-1/4" hole, 8-5/8" x 25 lbs/ft surface csg was set at 498' and cemented with 325 sxs Class "B" cement. Circulated 100 sxs of cement to pit.

14. I hereby certify that the foregoing is true and correct

Signed Christy Serrano Title Production Secretary Date 4/27/98
Christy Serrano

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved By [Signature] Title Lands and Mineral Resources Date MAY 7 1998

Conditions of approval, if any

Title 18 U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

*See Instruction on Reverse Side

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires February 28, 1995

07 OCT 19 1997

APPLICATION FOR PERMIT TO DRILL OR DEEPEN				5. LEASE DESIGNATION AND SERIAL NO UIC458	
1a. TYPE OF WORK Drill <input checked="" type="checkbox"/> Deepen <input type="checkbox"/>		ALBUQUERQUE		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
b. TYPE OF WELL Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/>		Single Zone <input type="checkbox"/> Multiple Zone <input type="checkbox"/>		7. UNIT AGREEMENT NAME N/A	
2. NAME OF OPERATOR Mallon Oil Company				8. FARM OR LEASE NAME, WELL NO. Jicarilla 458-8 No. 9	
3. ADDRESS AND TELEPHONE NO. P.O. Box 3256 Carlsbad, NM 88220 (505) 885-4596				9. API WELL NO.	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. *) At surface 1450' FSL and 1450' FWL (NE SW) Unit K				10. FIELD AND POOL, OR WILDCAT E. Blanco, Pictured Cliffs	
At proposed prod. zone 1450' FSL and 1450' FWL (NE SW) Unit K				11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 8, T30N-R03W	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE * 50 miles east of Bloomfield, New Mexico				12. COUNTY OR PARISH Rio Arriba	
				13. STATE NM	
15. DISTANCE FROM PROPOSED * LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)		3830'		16. NO. OF ACRES IN LEASE 2249.19'	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		1900'		17. NO. OF ACRES ASSIGNED TO THIS WELL 160	
19. PROPOSED DEPTH		4500'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (SHOW WHETHER OF, RT, GR, Etc.) 7046.6'		22. APPROX. DATE WORK WILL START October 20, 1997			
23. PROPOSED CASING AND CEMENTING PROGRAM					
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	
12-1/4"	8-5/8"	24#	500'	Circ. to surface	
7-8/8"	5-1/2"	15.5#	4500'	570 sks	

Mallon Oil Company proposes to drill to a depth sufficient to test the Pictured Cliffs formation. If productive, 5-1/2" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with Federal regulations. Specific programs as per on-shore Oil and Gas Order No. 1 are outlined in the following attachments:

Drilling Program

- | | |
|--|-------------------------------------|
| Exhibit 1: Blow Out Preventor Equipment/Plan | Exhibit D: Drilling Site Layout |
| Exhibit A: Location and Elevation Plat | Exhibit E: Production Facilities |
| Exhibit B: Roads and Pipelines | Exhibit F: H2S Contingency Plan |
| Exhibit C: One Mile Radius Map | Exhibit G: Environmental Assessment |

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: Terry Lindeman TITLE: Production Superintendent DATE: 10/15/97

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY: Hector Villalobos TITLE: Area Manager DATE: 12/8/97

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Jicarilla 458-8 SJ No. 10
SE/4 Section 8-30N-3W

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico
Geology, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

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

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

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

OIL CONSERVATION DIVISION

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-26178-00-00		*Pool Code 97037	*Pool Name CABRISTO CANYON TERTIARY
*Property Code 24591	*Property Name JICARILLA 458-8 S.J.		*Well Number 10
*GRID No. 13925	*Operator Name MALLON OIL COMPANY		*Elevation 7093'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	8	30-N	3-W		784	SOUTH	1286	EAST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 160'	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---------------------------------------	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

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

Signature: *Robert Blaylock*
Printed Name: ROBERT BLAYLOCK
Title: DISTRICT MANAGER
Date: 10/3/01

18 SURVEYOR CERTIFICATION
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 belief.

Date of Survey: 3-24-09
Signature and Seal of Professional Surveyor: *Roy A. Rust*
Seal: ROY A. RUST, NEW MEXICO, 8894
Certificate Number: 8894

FD. U.S.G.L.O. BRASS CAP 1917

N 89-58-39 W 5278.09'

FD. U.S.G.L.O. BRASS CAP 1917

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See other instructions
on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

a. TYPE OF WELL
OIL WELL GAS WEL DRY OTHER _____

b. TYPE OF COMPLETION
NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF RESVR

2. NAME OF OPERATOR
Mallon Oil Company

3. ADDRESS AND TELEPHONE NO.
P. O. Box 2797 Durango, CO 81302 (970) 382-9100

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
At surface 784' FSL and 1286' FEL (SE SE) Unit P
At top prod. interval reported below 784' FSL and 1286' FEL (SE SE) Unit P
At total depth 784' FSL and 1286' FEL (SE SE) Unit P

14. Permit No. N/A Date Issued N/A

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache Tribe

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME, WELL NO.
Jicarilla 458-8 SJ No. 10

9. API WELL NO.
30-039-26178

10. FIELD AND POOL, OR WILDCAT
Cabresto Canyon; San Jose Ext.

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 8, T30N-R03W

12. COUNTY OR PARISH Rio Arriba 13. STATE NM

15. DATE SPUNDED 9/27/99 16. DATE TD REACHED 10/1/99 17. DATE COM (Ready to Prod.) 10/9/99 18. ELEVATION (DF, RKB, RT, GR, E) 7093' 19. ELEV. CASINGHEAD 7094'

20. TOTAL DEPTH, MD & TVD 2000' 21. PLUGBACK TD, MD & TVD 1926' 22. IF MULTIPLE COMP. HOW MANY* 23. INTERVALS DRILLED BY → 24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 1462'-1482', 1514'-1528', 1538'-1548', 1558'-1562' Cabresto Canyon; San Jose Ext. 25. WAS DIRECTIONAL SURVEY MADE Yes 26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24	237'	12-1/4"	cmt 110 sxs Class 3 cmt, circ 4 sxs to surface	
4-1/2"	10.5	2000'	6-3/4"	cmt 300 sxs 50/50 poz circ 20 sxs to surface	

29. LINER RECORD (30. TUBING RECORD)

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1.9	1458	

31. PERFORATION RECORD (Interval, size, and number)
1462'-1482', 1514'-1528', 1538'-1543', 1558'-1562'
2 JSPF (86 holes)
Cabresto Canyon, San Jose Ext.

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
DEPTH INTERVAL (MD) 1462-1562
AMOUNT AND KIND OF MATERIAL USED
acidize 2500 gal 7-1/2% HCL
frac 22,500 lbs 12/20 Brady Sand
19,000 lbs 12/20 Super HT Sand

33. PRODUCTION

DATE FIRST PRODUCTION 10/9/99 PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pum) Flowing WELL STAT (Producing or Shut In) Flowing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
10/8/99	24	3/8"	→	0	568	0	N.A.

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)
168	0	→	0	568	0	N.A.

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold TEST WITNESSED BY Mike Davis

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
Christy Serrano (Christy Serrano) Production Secretary DATE 10-25-99

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

Title 18 U.S.C. 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

CONFIDENTIAL

NOV 15 1999

1459

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT DEPTH
				San Jose	1459'		

CONFIDENTIAL

Form 3160-5
(MAY 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other:		5. Lease Designation and Serial No.
2. Name of Operator Mallon Oil Company		6. If Indian, Allote or Tribe Name Jicarilla Apache Tribe
3. Address and Telephone No. P.O. Box 2797 Durango, CO 81302 (970)382-9100		7. If Unit or CA, Agreement Designation N/A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 784' FSL and 1286' FEL (SE SE) Unit P Sec. 8, T30N-R03W		8. Well Name and No. jicarilla 458-8 SJ No. 10
		9. Well API No. 30-039-26178
		10. Field and Pool, or Exploratory Area Cabresto Canyon; San Jose Ext.
		11. County or Parish, State Rio Arriba, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other: TD Change
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note. Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)*

Mallon Oil Company would like to request an amendment to the APD for the above referenced well. Mallon Oil Company would like to change the Total Depth to 2100'.

99 OCT 28 PM 2:21
ALBUQUERQUE, N.M.

14. I hereby certify that the foregoing is true and correct

Signed Christy Serrano Title Production Clerk Date 10-27-99

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved B [Signature] Title Petro. Eng Date 11/19/99

Conditions of approval, if any:

15. U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

CONFIDENTIAL

CONFIDENTIAL

Form 3160-5
(JUNE 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

5. Lease Designation and Serial No.

6. If Indian, Allote or Tribe Name
Jicarilla Apache Tribe

7. If Unit or CA, Agreement Designation
N/A

8. Well Name and No.
Jicarilla 458-8 SJ No. 10

9. Well API No.
30-039-26178

10. Field and Pool, or Exploratory Area
Cabresto Canyon; San Jose Ext.

11. County or Parish, State
Rio Arriba, New Mexico

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other:

2. Name of Operator

Mallon Oil Company

3. Address and Telephone No.

P.O. Box 2797 Durango, CO 81302 (970)382-9100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

784' FSL and 1286' FEL (SE SE) Unit P
Sec. 8, T30N-R03W

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other: Spud Sundry
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)*

Mallon Oil Company spud the above referenced well on September 27, 1999 at 5:15pm. Drilled 12-1/4" hole, ran 8-5/8" X 24 lb/ft surface casing was set at 237'. Cement with 110 sxs Class 3, 2% CaCl2, 1/4 lb celloflake, circ 4sxs to surface.

99 OCT -1 PM 2:05
RECEIVED
BUREAU OF LAND MANAGEMENT

14. I hereby certify that the foregoing is true and correct

Signed Christy Serrano

Title Production Clerk

Date 9-29-99

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved B [Signature]

Title Patro. E.J.

Date 10/5/99

Conditions of approval, if any:

U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as a matter within its jurisdiction.

*See Instruction on Reverse Side

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN			5. LEASE DESIGNATION AND SERIAL NO. JIC 458	
1a. TYPE OF WORK Drill <input checked="" type="checkbox"/> Deepen <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
b. TYPE OF WELL Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone <input type="checkbox"/>			7. UNIT AGREEMENT NAME N/A	
2. NAME OF OPERATOR Mallon Oil Company			8. FARM OR LEASE NAME, WELL NO. Jicarilla 458-8 SJ #10	
3. ADDRESS AND TELEPHONE NO. P.O. Box 2797 Durango, CO 81302 (970) 382-9100			9. API WELL NO.	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 784' FSL and 1286' FEL (SE/SE) Unit P At proposed prod. zone 784' FSL and 1286' FEL (SE/SE) Unit P			10. FIELD AND POOL, OR WILDCAT E. Blanco, Pictured Cliffs	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 56 miles east of Bloomfield, New Mexico			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 8, T30N-R03W	
15. DISTANCE FROM PROPOSED * LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 784' (Also to nearest drlg. unit line, if any)		16. NO. OF ACRES IN LEASE 2,560	17. NO. OF ACRES ASSIGNED TO THIS WELL 160	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 100'		19. PROPOSED DEPTH 1800'	20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, Etc.) 7093' GR		22. APPROX. DATE WORK WILL START 04/26/99		
23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	500'	Circulate to surface
7-7/8"	5-1/2"	15.5#	1800'	280 sks

Mallon Oil Company proposes to drill this well to an approximate TD of 1800' in the San Jose formation. This well is placed on an existing well pad. There will not be any need for additional pad, access road, or pipeline disturbance. If productive, 5-1/2" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with Federal regulations. Specific programs as per on-shore Oil and Gas Order No. 1 are outlined in the following attachments:

Drilling Program

- Exhibit 1: Blow Out Preventor Equipment/Plan
- Exhibit A: Location and Elevation Plat
- Exhibit B: Roads and Pipelines
- Exhibit C: One Mile Radius Map

- Exhibit D: Drilling Site Layout
- Exhibit E: Production Facilities
- Exhibit F: H2S Contingency Plan
- Exhibit G: Environmental Assessment

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: Terry Lindeman TITLE: Operations Superintendent DATE: 04/05/99

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY: [Signature] TITLE: Acting Asst Field Mgr DATE: MAY 4 1999

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Jicarilla 458-8 No. 10
SE/4 Section 8-30N-3W

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

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

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-25862-00-00		*Pool Code 97037	*Pool Name CABRISTO CANYON TERTIARY
*Property Code 22182	*Property Name JICARILLA 458-8		*Well Number 10
*GRID No. 13925	*Operator Name MALLON OIL CO.		*Elevation 7096'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	8	30-N	3-W		800	SOUTH	1190	EAST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Robert Blaylock</i></p> <p>Signature</p> <p>ROBERT BLAYLOCK</p> <p>Printed Name</p> <p>DISTRICT MANAGER</p> <p>Title</p> <p>10/3/01</p> <p>Date</p>
	<p>18 SURVEYOR CERTIFICATION</p> <p>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 belief.</p> <p>2-3-94</p> <p>Date of Survey</p> <p><i>Roy A. Rush</i></p> <p>Signature and Seal of Professional Surveyor</p> <p>ROY A. RUSH NEW MEXICO REGISTERED SURVEYOR 8894</p> <p>8894</p> <p>Certificate Number</p>

FD. U.S.G.L.O.
BC. 1917

S 89-58-39 E 5278.1'

FD. U.S.G.L.O.
BC. 1917

CONFIDENTIAL

DO NOT WRITE IN THIS SPACE
SUBMIT IN DUPLICATE
(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL
 OIL WELL GAS WELL DRY OTHER
 b. TYPE OF COMPLETION
 NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF RESVR
 2. NAME OF OPERATOR
Mallon Oil Company
 3. ADDRESS AND TELEPHONE NO.
P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596
 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
 At surface **800 FSL, 1190 FEL (SE SE) Unit P**
 At top prod. interval reported below **800 FSL, 1190 FEL (SE SE) Unit P**
 At total depth

5. LEASE DESIGNATION AND SERIAL NO.
JIC 458
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache
 7. UNIT AGREEMENT NAME
N/A
 8. FARM OR LEASE NAME, WELL NO.
Jicarilla 458-8 No. 10
 9. API WELL NO.
30-039-25862
 10. FIELD AND POOL, OR WILDCAT
Cabresto Canyon, Nacimiento Ext
 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec 8, T30N-R03W

14. PERMIT NO. **N/A** DATE ISSUED **N/A** 12. COUNTY OR PARISH **Rio Arriba** 13. STATE **NM**
 15. DATE SPUNDED **5/26/98** 16. DATE TD REACHED **6/2/98** 17. DATE COMP (Ready to Prod.) **07/11/98** 18. ELEVATION (DF, RKB, RT, GR, ET) **7096'** 19. ELEV. CASINGHEAD **7097'**
 20. TOTAL DEPTH, MD & TVD **3935'** 21. PLUGBACK TD, MD & TVD **3845'** 22. IF MULTIPLE COMP. HOW MANY* **2** 23. INTERVALS DRILLED BY **→** ROTARY TOOLS **Yes** CABLE TOOLS **N/A**
 24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*)
2741'-2744', 5749'-2758', 2813'-2818', 2832'-2836', 2844'-2848', 2908'-2912', 2959'-2960'
Cabresto Canyon; Nacimiento Ext.
 25. WAS DIRECTIONAL SURVEY MADE **Yes**
 26. TYPE ELECTRIC AND OTHER LOGS RUN **GR-DIL-RSCT, SDL-DSN-RSCT** 27. WAS WELL CORED **N/A**

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24	542	12-1/4"	Cmt 450 sxs Class "B" Circ 25	
				sxs to surface	
5-1/2"	15.5	3916	7-7/8"	Cmt 510 sxs cmt, top of cmt	
				115' from surface	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					1.9	2560	N/A

31. PERFORATION RECORD (Interval, size, and number) **32.0** ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
 DEPTH INTERVAL (MD) **2741'-2960'** AMOUNT AND KIND OF MATERIAL USED
2741'-2744', 5749'-2758', 2813'-2818', 2832'-2836', 2844'-2848', 2908'-2912', 2959'-2960'
4 jspf 132 holes
Cabresto Canyon; Nacimiento Ext.
Acidize 2500 gals 7-1/2% HCL
Frac 52,768 lbs 20/40 Sand

33. PRODUCTION
 DATE FIRST PRODUCTION **7/12/98** PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) **Flowing** WELL STATUS (Producing or Shut In) **Producing**
 DATE OF TEST **6/26/98** HOURS TESTED **24** CHOKE SIZE **3/8"** PROD'N FOR TEST PERIOD **→** OIL - BBL **0** GAS - MCF **139** WATER - BBL **48** GAS-OIL RATIO **N/A**
 FLOW TBG PRESS **30** CASING PRESSURE **0** CALCULATED 24-HOUR RATE **→** OIL - BBL **0** GAS - MCF **139** WATER - BBL **48** OIL GRAVITY - API (CORR.) **N/A**

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Sold** TEST WITNESSED BY **Justin Winkler**

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

SIGNED Christy Serrano DATE 7/12/98
 Christy Serrano Production Secretary

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

CONFIDENTIAL

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Nacimiento	1988'	
				Ojo Alamo	3088'	
				Kirtland	3323'	
				Fruitland	2550'	
				Pictured Cliffs	3660'	
				Lewis	3730'	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See other instructions
on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

CONFIDENTIAL

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *
5. LEASE DESIGNATION AND SERIAL NO. **JIC 458**

TYPE OF WELL OIL GAS
WELL WEL DRY OTHER _____

b. TYPE OF COMPLETION
NEW WORK DEEP- PLUG DIFF
WELL OVER EN BACK RESVR

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME, WELL NO.
Jicarilla 458-8 No. 10

2. NAME OF OPERATOR
Mallon Oil Company

9. API WELL NO.
30-039-25862

3. ADDRESS AND TELEPHONE NO.
P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596

10. FIELD AND POOL, OR WILDCAT
Cabresto Canyon, Ojo Alamo Ext

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
At surface **800 FSL, 1190 FEL (SE SE) Unit P**
At top prod. interval reported below **800 FSL, 1190 FEL (SE SE) Unit P**
At total depth _____

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec 8, T30N-R03W

14. PERMIT NO. **N/A** DATE ISSUED **N/A**

12. COUNTY OR PARISH **Rio Arriba** 13. STATE **NM**

15. DATE SPUDDED **5/26/98** 16. DATE TD REACHED **6/2/98** 17. DATE COM (Ready to Prod.) **07/11/98** 18. ELEVATION (DF, RKB, RT, GR, E) **7096'** 19. ELEV. CASINGHEAD **7097'**

20. TOTAL DEPTH, MD & TVD **3935'** 21. PLUGBACK TD, MD & TVD **3845'** 22. IF MULTIPLE COMP., HOW MANY* **2** 23. INTERVALS DRILLED BY **→** ROTARY TOOLS **Yes** CABLE TOOLS **N/A**

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
3099'-3150' Cabresto Canon, Ojo Alamo Ext.

25. WAS DIRECTIONAL SURVEY MADE
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
GR-DIL-RSCT, SDL-DSN-RSCT

27. WAS WELL CORED
N/A

28. **CASING RECORD (Report all strings set in well)**

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24	542	12-1/4"	Cmt 450 sxs Class "B" Circ 25	
				sxs to surface	
5-1/2"	15.5	3916	7-7/8"	Cmt 510 sxs cmt, top of cmt	
				115' from surface	

29. **LINER RECORD** 30. **TUBING RECORD**

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					1.9	3041'	3042'

31. PERFORATION RECORD (Interval, size, and number) **### ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.**

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3099'-3150'	Acidize 3000 gals 7-1/2% HCL Frac 77,000 lbs 12/20 Sand

3099'-3150' 4 JSPF 204 Holes
Cabresto Canyon, Ojo Alamo Ext

33. **PRODUCTION**

DATE FIRST PRODUCTION **7/12/98** PRODUCTION METHO (Flowing, gas lift, pumping - size and type of pump) **Flowing** WELL STA (Producing or Shut In) **Producing**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
6/16/98	24	3/8"	→	0	2027	60	N/A

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)
630	0	→	0	2027	60	N/A

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Sold** TEST WITNESSED BY **Raymond Key**

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 **Christy Serrano** DATE **7/12/98**
Christy Serrano Production Secretary

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flow and shut-in pressures, and recoveries):

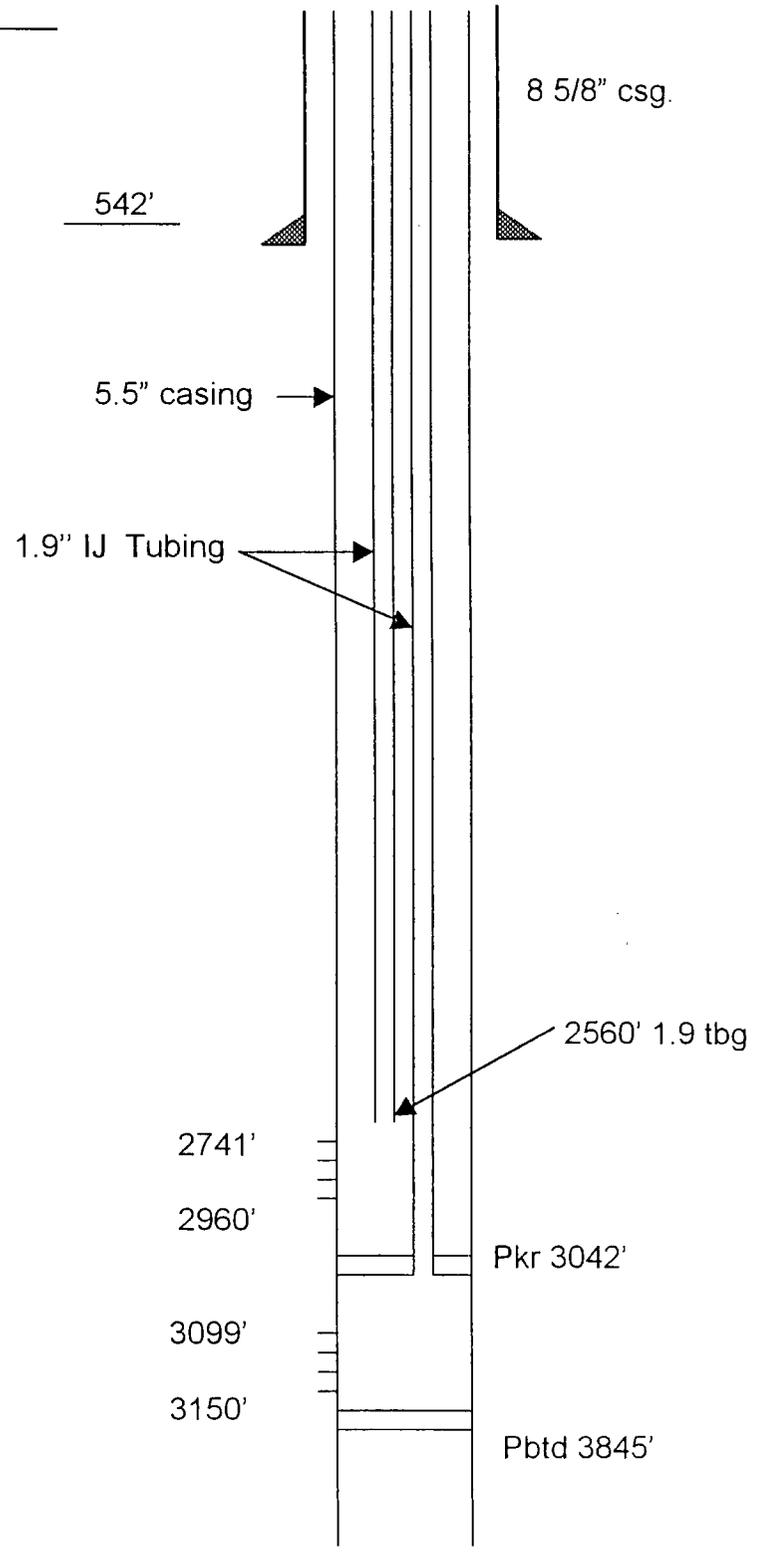
38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Nacimiento	1988'	
				Ojo Alamo	8088'	
				Kirtland	3323'	
				Fruitland	2550'	
				Pictured Cliffs	3660'	
				Lewis	3730'	

WELL NAME: JICARILLA 458-8 #10
FIELD: EAST BLANCO
LEGAL: SEC__08__TN_30__RW_03__
PRODUCING INTERVAL: 2741'-2960'
3099'-3150'

NOTES: Nacimiento 2741'-2960'
Ojo Alamo 3099'-3150'



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other:

2. Name of Operator

Mallon Oil Company

3. Address and Telephone No.

P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

800 FSL and 1190 FEL (SE SW) Unit P
Sec. 8, T30N-R30W

5. Lease Designation and Serial No.
JIC

6. If Indian, Allote or Tribe Name

Jicarilla Apache

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Jicarilla 458-8 No. 10

9. Well API No.

30-039-25862

10. Field and Pool, or Exploratory Area

East Blanco, Pictured Cliffs *Ojo Alamo*

11. County or Parish, State

Rio Arriba, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other: Dual Completion
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

Commingling

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)*

Mallon Oil Company proposes to dual complete the above reference well in the Nacimiento and Ojo Alamo formations. Each formation will be produced via separate strings of 1.9" tbg. On the surface they will be metered separately and the gas will go through separate separators where the water will be metered for each zone. Gas will be commingled on the surface. Well bore diagram attached.

14. I hereby certify that the foregoing is true and correct

Signed Christy Serrano
Christy Serrano

Title Production Secretary Date 7/12/98

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved By Patricia M. Koch
Conditions of approval, if any:

Lands and Mineral Resources

Title _____ Date 8-15-98

Title 18 U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other:

2. Name of Operator

Mallon Oil Company

3. Address and Telephone No.

P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

800' FSL and 1190' FEL (SE SE) Unit P
Sec. 8, T30N-R03W

5. Lease Designation and Serial No.
Jic 458

6. If Indian, Allotee or Tribe Name
Jicarilla Apache

7. If Unit or CA, Agreement Designation
N/A

8. Well Name and No.
Jicarilla 458-8 No. 10

9. Well API No.
30-039-25862

10. Field and Pool, or Exploratory Area
East Blanco; Pictured Cliffs

11. County or Parish, State
Rio Arriba, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other: Spud
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)

Mallon Oil Company spud the above reference well on 5/26/98 at 2:45pm. Drilled 12-1/4" hole, 8-5/8" x 24 lb/ft surface csg was set at 542' and cemented with 300 sxs Class "B". Circulated 25sxs of cmt to surface.

14. I hereby certify that the foregoing is true and correct

Signed Christy Soriano

Title Production Secretary

Date 6-1-98

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved By [Signature]

Title Lands and Mineral Resources

Date JUN 1 1 1998

Conditions of approval, if any:

CONFIDENTIAL

Form 3160-3

(July 1992)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE

(Other instructions on reverse side)

FORM APPROVED

OMB NO. 1004-0136

Expires February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

Form with fields for 1a. TYPE OF WORK, 1b. TYPE OF WELL, 2. NAME OF OPERATOR, 3. ADDRESS AND TELEPHONE NO., 4. LOCATION OF WELL, 5. LEASE DESIGNATION AND SERIAL NO., 6. IF INDIAN, ALLOTTEE OR TRIBE NAME, 7. COUNTY AND RANGE, 8. FARM OR LEASE NAME, WELL NO., 9. API WELL NO., 10. FIELD AND POOL, OR WILDCAT, 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA, 12. COUNTY OR PARISH, 13. STATE, 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE, 15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT., 16. NO. OF ACRES IN LEASE, 17. NO. OF ACRES ASSIGNED TO THIS WELL, 18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT., 19. PROPOSED DEPTH, 20. ROTARY OR CABLE TOOLS, 21. ELEVATIONS (SHOW WHETHER DF, RT, GR, Etc.), 22. APPROX. DATE WORK WILL START, 23. PROPOSED CASING AND CEMENTING PROGRAM

Mallon Oil Company proposes to drill to a depth sufficient to test the Pictured Cliffs formation. If productive, 5-1/2" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with Federal regulations. Specific programs as per on-shore Oil and Gas Order No. 1 are outlined in the following attachments:

Drilling Program

- Exhibit 1: Blow Out Preventor Equipment/Plan
Exhibit A: Location and Elevation Plat
Exhibit B: Existing Roads/Planned Access Roads
Exhibit C: One Mile Radius Map
Exhibit D: Drilling Site Layout
Exhibit E: Production Facilities
Exhibit F: H2S Contingency Plan
Exhibit G: Environmental Assessment

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED: Terry Lindeman TITLE: Operations Superintendent DATE: April 13, 1998

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY: [Signature] TITLE: DATE: 5/14/98

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONFIDENTIAL

Jicarilla 458-8 SJ No. 7
NE/4 Section 8-30N-3W

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico
Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

DISTRICT III
1400 Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-26271-00-00		² Pool Code 97037		³ Pool Name CABRISTO CANYON TERTIARY	
⁴ Property Code 24591		⁵ Property Name JICARILLA 458-8 S.J.			⁶ Well Number 7
⁷ GRID No. 13925		⁸ Operator Name MALLON OIL CO.			⁹ Elevation 7120'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	8	30-N	3-W		2301	NORTH	868	EAST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	1								

¹² Dedicated Acres 156	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

D. U.S.G.L.O. C. 1917	N 89-42-18 E	5277.50'	CALC'D. CORNER	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
				Signature: <i>Robert Blaylock</i> Printed Name: ROBERT BLAYLOCK Title: DISTRICT MANAGER Date: <i>9-2-99</i>	
8	2301'	868'	5144.7'	¹⁸ SURVEYOR CERTIFICATION 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 belief.	
				Date of Survey: <i>9-2-99</i> Signature and Seal of Professional Surveyor: <i>Boy A. Rush</i> Certificate Number: 8894	
FD. U.S.G.L.O. C. 1917			N 00-02-00 W		

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See instructions
on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL
OIL WELL GAS WELL DRY OTHER _____

b. TYPE OF COMPLETION
NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF RESVR

2. NAME OF OPERATOR
Mallon Oil Company

3. ADDRESS AND TELEPHONE NO.
P. O. Box 2797 Durango, CO 81302 (970) 382-9100

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 2301' FNL and 868' FEL (SE NE), Unit H
At top prod. interval reported below 2301' FNL and 868' FEL (SE NE), Unit H
At total depth 2301' FNL and 868' FEL (SE NE), Unit H

14. Permit No. N/A
Date Issued N/A

5. LEASE DESIGNATION AND SERIAL NO.
Jic 458

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME, WELL NO.
Jicarilla 458-8 SJ No. 7

9. API WELL NO.
30-039-26271

10. FIELD AND POOL, OR WILDCAT
Cabresto Canyon, San Jose

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 8-T30N-R03W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

15. DATE SPUDED 12/12/99
16. DATE TO REACHED 12/16/99
17. DATE COMP (Ready to Prod.) 01/02/00
18. ELEVATION (DF, RKB, RT, GR, ET) 7120'
19. ELEV. CASINGHEAD 7121'

20. TOTAL DEPTH, MD & TVD 2050'
21. PLUGBACK TD, MD & TVD 1992'
22. IF MULTIPLE COMPLETIONS, HOW MANY*
23. INTERVALS DRILLED BY
ROTARY TOOLS Yes
CABLE TOOLS

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)
1516'-1538', 1417'-1425' Cabresto Canyon, San Jose
25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
SDI/DSN, DIL
27. WAS WELL CORED No

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	208.52'	12-1/4"	cmt 130 sx Type 3 cmt circ 36 sx to surface	
4-1/2"	11.6#	2037'	6-3/4"	cmt 325 sx cmt circ 16 sx to surface	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N.A.					2-3/8"	1426'	

31. PERFORATION RECORD (Interval, size, and number)	32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
1516'-1538' 2 JSPF (44 holes) 1417'-1425' 2 JSPF (8 holes) Cabresto Canyon, San Jose	DEPTH INTERVAL (MD) 1417'-1538' AMOUNT AND KIND OF MATERIAL USED acidize 2100 gal 7-1/2% HCL acid. frac 40,000# sand w/70 quality foam 37,000# 12/20 Brady sand 30,000# flex sand, 250,000 SCF2 N2 with 198# X-line fluid

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)	WELL STAT (Producing or Shut In)					
1/22/00	Flowing	Producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROO'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
1/6/00	24	3/8"		0	198	12	N/A
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)	
49	0		0	198	12	N/A	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold
TEST WITNESSED BY J. Angel

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 Linda D. Wilkins (Linda Wilkins) Engineering Technician DATE 3/3/2000

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT DEPTH
				L. San Jose	1458	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other:

2. Name of Operator
 Mallon Oil Company

3. Address and Telephone No.
 P.O. Box 2797 Durango, CO 81302 (970)382-9100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 2301 FNL and 868 FEL (SE NE) Unit H
 Sec. 8, T30N-R03W

5. Lease Designation and Serial No.
 Jic 458

6. If Indian, Allote or Tribe Name
 Jicarilla Apache Tribe

7. If Unit or CA, Agreement Designation
 N/A

8. Well Name and No.
 Jicarilla 458-8 No. 7 *SL*

9. Well API No.

10. Field and Pool, or Exploratory Area
 Cabresto Canyon, San Jose Ext.

11. County or Parish, State
 Rio Arriba, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other: Spud
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)

Mallon Oil Company spud the above referenced well on December 12, 1999 at 4:00 pm. Drilled 12-1/4" hole, 8-5/8" x 24 lb/ft surface casing was set at 208.52'. Cemented 130 sxs Type 3 cmt, circulated 36 sxs to surface.

14. I hereby certify that the foregoing is true and correct

Signed Christy Serrano Title Production Clerk Date 12-15-99

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved B *[Signature]* Title PE Date 12/21/99

Conditions of approval, if any:

U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

CONFIDENTIAL

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Form 3160-5
(APR 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other:

2. Name of Operator
 Mallon Oil Company

3. Address and Telephone No.
 P.O. Box 2797 Durango, CO 81302 (970)382-9100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 2301 FNL and 868 FEL (SE NE) Unit H
 Sec. 8, T30N-R03W

5. Lease Designation and Serial No.
 Jic 458

6. If Indian, Allotee or Tribe Name
 Jicarilla Apache Tribe

7. If Unit or CA, Agreement Designation
 N/A

8. Well Name and No.
 Jicarilla 458-8 No. 7 J.J

9. Well API No.

10. Field and Pool, or Exploratory Area
 Cabresto Canyon; San Jose Ext.

11. County or Parish, State
 Rio Arriba, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other: TD change
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)*

Mallon Oil Company would like to request an amendment to the APD for the above referenced well. Mallon Oil Company would like to change the Total Depth to 2100'.

RECEIVED IN THE OFFICE OF THE SUPERVISOR

14. I hereby certify that the foregoing is true and correct

Signed Christy Serrano Title Production Clerk Date 12-14-99

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved By [Signature] Title PE Date 12/21/99

Conditions of approval, if any:

U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

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Form 3160-3
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

Drill Deepen

b. TYPE OF WELL

Oil Well Gas Well Other Single Zone Multiple Zone

2. NAME OF OPERATOR

Mallon Oil Company 013925

3. ADDRESS AND TELEPHONE NO.

P.O. Box 2797
Durango, CO 81302 (970) 382-9100

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface 2301' FNL and 868' FEL (SE/NE) Unit H

At proposed prod. zone 2301' FNL and 868' FEL (SE/NE) Unit H

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE *

51 miles east of Bloomfield, New Mexico

15. DISTANCE FROM PROPOSED * LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

868'

(Also to nearest drilg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

100'

16. NO. OF ACRES IN LEASE

2,560

17. NO. OF ACRES ASSIGNED TO THIS WELL

158' (151.31)

19. PROPOSED DEPTH

2100'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (SHOW WHETHER DF, RT, GR, Etc.)

7120' GR

22. APPROX. DATE WORK WILL START

12/01/99

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	250'	Circulate to surface
6-3/4"	4-1/2"	14.7#	2100'	240 sks 50/50 Poz w/additive; 25 for 1.55 7120'

Mallon Oil Co. proposes to drill this well to an approximate TD of 2100' in the San Jose formation. This well is placed on an existing well pad. Some additional pad extension may be required. The Jicarilla Oil and Gas Administration has waived any necessity of re-onsiting the well pad as long as any required archaeology survey is submitted. Environmental assessment was previously submitted under the initial well APD. If productive, 4-1/2" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with Federal regulations. Specific programs as per on-shore Oil and Gas Order No. 1 are outlined in the following attachments:

Drilling Program

- Exhibit 1: Blow Out Preventor Equipment/Plan
- Exhibit A: Location and Elevation Plat
- Exhibit B: Roads and Pipelines
- Exhibit C: One Mile Radius Map
- Exhibit D: Drilling Site Layout
- Exhibit E: Production Facilities
- Exhibit F: H2S Contingency Plan
- Exhibit G: Archaeology Report

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: Terry Lindeman TITLE: Operations Superintendent DATE: 11/01/99

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY: Attended
APPROVED BY: Thomas Gow TITLE: AFOM DATE: 12/13/99

*See instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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Jicarilla 458-8 No. 7
NE/4 Section 8-30N-3W

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

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

DISTRICT II
P.O. Box 1980, Artesia, N.M. 88211-0719

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

AMENDED REPORT

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

DISTRICT IV
PO Box 2088, Santa Fe, NM 87604-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-25759-00-00		² Pool Code 97037		³ Pool Name CABRISTO CANYON TERTIARY	
⁴ Property Code 22182		⁵ Property Name JICARILLA 458-8			⁶ Well Number 7
⁷ OGRID No. 13925		⁸ Operator Name MALLON OIL CO.			⁹ Elevation 7121'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	8	30-N	3-W		2270	NORTH	795	EAST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 1/60	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---------------------------------------	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>¹⁶</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p>Signature: <u>Robert Blaylock</u></p> <p>Printed Name: ROBERT BLAYLOCK</p> <p>Title: DISTRICT MANAGER</p> <p>Date: 12/06/01</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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</p> <p>Date of Survey: 9-17-01</p> <p>Signature and Seal of Professional Surveyor: <u>[Signature]</u></p> <p>8894</p> <p>Certificate Number</p>

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*
(See other instructions
on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a TYPE OF WELL OIL GAS
WELL WELL DRY OTHER _____

b TYPE OF COMPLETION:
NEW WELL WORK OVER DEEP EN PLUG BACK DIFF RESVR

2 NAME OF OPERATOR
Mallon Oil Company

3 ADDRESS AND TELEPHONE NO.
P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596

4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
At surface 2270' FNL, 795 FEL, (SE NE), UNIT H
At top prod. interval reported below 2270' FNL, 795 FEL, (SE NE), UNIT H
At total depth 2270' FNL, 795 FEL, (SE NE), UNIT H

5 LEASE DESIGNATION AND SERIAL NO.
JIC 458

6 INDIAN, ALLOTTEE OR TRIBE NAME
JICARILLA APACHE

7 UNIT AGREEMENT NAME
N/A

8 FARM OR LEASE NAME, WELL NO.
JICARILLA 458-8 NO. 7

9 API WELL NO.
30-039-25759

10 FIELD AND POOL, OR WILDCAT
Cabresto Canyon; Ojo Alamo Ext.

11 SEC. T., R., M., OR BLOCK AND SURVEY OR AREA
SEC. 8, T30N-R03W

14 PERMIT NO. N/A DATE ISSUED N/A

12 COUNTY OR PARISH RIO ARRIBA 13 STATE NM

15. DATE SPUNDED 1/28/1998 16. DATE TD REACHED 2/7/98 17. DATE COMP (Ready to Prod.) 3/9/98 18. ELEVATION OF RKB, RT, GR, ETC 7121' GL 19. ELEV. CASINGHEAD 7122'

20. TOTAL DEPTH, MD & TVD 3950' 21. PLUGBACK TD, MD & TVD 3899' 22. IF MULTIPLE COMPLETIONS, HOW MANY* N/A 23. INTERVALS DRILLED BY → ROTARY TOOLS YES CABLE TOOLS N/A

24 PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)
3133' - 3170', 3175' - 3200'

25 WAS DIRECTIONAL SURVEY MADE YES

26 TYPE ELECTRIC AND OTHER LOGS RUN
SDL, DNS, GR, DIL, SGRD, GR, PERFS

27 WAS WELL CORED N/A

28 CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24 LB	502.67'	12-1/4"	CMT 345 SXS CLASS B	
4-1/2"	11.6 LB	3949'	7-7/8"	Circ 165 SXS TO SURFACE	
				Circ 100 xsx to surface	

29 LINER RECORD 30 TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
	N/A				1.90	2991'	2992'

31 PERFORATION RECORD (Interval, size, and number)
200' 4 JSPF (248 HOLES)

32 ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
DEPTH INTERVAL (MD) 3133'-3170', 3175' -3200'
AMOUNT AND KIND OF MATERIAL USED 4500 GALS 7-1/2 ACID
56,110 LBS 12/20 SAND

33 * PRODUCTION

DATE FIRST PRODUCTION 3/9/1998 PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) FLOWING WELL STAT (Producing or Shut In) PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD/N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
2/23/1998	24 HRS	3/8"	→	0	2121	50	0

FLOW TAG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)
66U	0	→	0	2121	50	0

34 DISPOSITION OF GAS SOLD (Sold, used for fuel, vented, etc.) TEST WITNESSED BY KISOR

35 LIST OF ATTACHMENTS N/A

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

SIGNED *[Signature]* PRODUCTION ANALYST DATE 4/24/98

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

Title 18 U.S.C. 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

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37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	TOP MEAS. DEPTH	TRUE VERT. DEPTH
				Ojo Alamo Kirtland Fruitland PC Lewis	3120 3345 3548 3674 3780	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Mallon Oil Company

3. Address and Telephone No.

P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2270' FNL, 795 FEL(SE NE), Unit H
Sec. 8 T30N-R03W

5. Lease Designation and Serial No.
JIC 458

6. If Indian, Allotee or Tribe Name

Jicarilla Apache

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Jicarilla 458-8 NO. 7

9. Well API No.

30-039-25759

10. Field and Pool, or Exploratory Area

E. Blanco, Pictured Cliffs

11. County or Parish, State

Rio Arriba County, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

- Abandonment Change of Plans
 Recompletion New Construction
 Plugging Back Non-Routine Fracturing
 Casing Repair Water Shut-Off
 Altering Casing Conversion to Injection
 Other: Spud Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)

Mallon Oil Company spud the above referenced well on 1/28/98 at 4:00 pm. Drilled 12-1/4" hole, 8-5/8" x 25 lb/ft surface casing was set at 475' and cemented with 340 sxs Class "B" cement. Circulated 168 sxs of cement to surface.

14. I hereby certify that the foregoing is true and correct

Signed Christy Serrano
Christy Serrano

Title Production Secretary Date 7-22-98

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved By Patricia M. Hester
Conditions of approval, if any:

Title Lands and Mineral Resources Date 7-29-98

CONFIDENTIAL

Form 3160-3
(JUNE 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other:

2. Name of Operator

Mallon Oil Company

3. Address and Telephone No.

P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2270' FNL, and 795' FEL (SE NE) Unit H
Sec. 8, T30N-R03W

5. Lease Designation and Serial No.
JIC 458

6. If Indian, Allote or Tribe Name

Jicarilla Apache

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Jicarilla 458-8 No. 7

9. Well API No.

10. Field and Pool, or Exploratory Area
East Blanco, Pictured Cliffs

11. County or Parish, State

Rio Arriba County, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other: Spud
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)

Mallon Oil Company proposes to run 4-12" x 11.6 lbs csg to TD and cmt 200' in surface csg.

14. I hereby certify that the foregoing is true and correct

Signed

Christy Serrano
Christy Serrano

Title

Secretary

Date 2/6/98

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved By

Patricia Wilkerson

Title

Lands and Mineral Resources

Date

3/5/98

Conditions of approval, if any:

circulate cement to surface -

Title 18 U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1983

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other:

2. Name of Operator

Mallon Oil Company

3. Address and Telephone No.

P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2270' FNL, and 795' FEL (SE NE) Unit H
Sec. 8, T30N-R03W

5. Lease Designation and Serial No.
JIC 458

6. If Indian, Allotee or Tribe Name

Jicarilla Apache

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Jicarilla 458-8 No. 7

9. Well API No

10. Field and Pool, or Exploratory Area
East Blanco, Pictured Cliffs

11. County or Parish, State

Rio Arriba County, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

- Abandonment Change of Plans
 Recompletion New Construction
 Plugging Back Non-Routine Fracturing
 Casing Repair Water Shut-Off
 Altering Casing Conversion to Injection
 Other: Spud Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

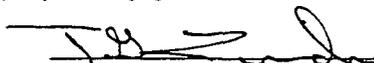
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)*

Mallon Oil Company spud the above referenced well on 1-28-98.

*Spud
02/11/98*

14. I hereby certify that the foregoing is true and correct

Signed


Terry Lindeman

Title

Exploration/Production Superintendent Date 02/04/98

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved By



Title

Lands and Mineral Resources

Date

Conditions of approval, if any:

Title 18 U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

Form 3160-3
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

FORM APPROVED
OMB NO 1004-0136
Expires February 28, 1995

5 LEASE DESIGNATION AND SERIAL NO

APPLICATION FOR PERMIT TO DRILL OR DEEPEN ALBUQUERQUE JICARILLA 458-8

1a TYPE OF WORK
Drill Deepen

b TYPE OF WELL
Oil Well Gas Well Other Single Zone Multiple Zone

6 IF INDIAN ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7 UNIT AGREEMENT NAME
N/A

2 NAME OF OPERATOR
Mallon Oil Company

8 FARM OR LEASE NAME, WELL NO
Jicarilla 458-8 No. 7

3 ADDRESS AND TELEPHONE NO.
P.O. Box 3256
Carlsbad, NM 88220 (505) 885-4596

9 API WELL NO.

4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 2270' FNL and 795' FEL (SE NE) Unit H
At proposed prod. zone 2270' FNL and 795' FEL (SE NE) Unit H

10 FIELD AND POOL, OR WILDCAT
E. Blanco, Pictured Cliffs

11 SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
Sec. 8, T30N-R03W

14 DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
50 miles east of Bloomfield, New Mexico

12 COUNTY OR PARISH
Rio Arriba

13 STATE
NM

15. DISTANCE FROM PROPOSED *
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
795'
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE
2249.19'

17. NO. OF ACRES ASSIGNED
TO THIS WELL
160

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.
2550'

19. PROPOSED DEPTH
4500'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (SHOW WHETHER OF, RT, GR, Etc.)
7121'

22. APPROX. DATE WORK WILL START
October 20, 1997

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	500'	Circ. to surface
7-8/8"	5-1/2"	15.5#	4500'	570 sks

Mallon Oil Company proposes to drill to a depth sufficient to test the Pictured Cliffs formation. If productive, 5-1/2" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with Federal regulations. Specific programs as per on-shore Oil and Gas Order No. 1 are outlined in the following attachments:

Drilling Program

- Exhibit 1: Blow Out Preventer Equipment/Plan
- Exhibit A: Location and Elevation Plat
- Exhibit B: Roads and Pipelines
- Exhibit C: One Mile Radius Map
- Exhibit D: Drilling Site Layout
- Exhibit E: Production Facilities
- Exhibit F: H2S Contingency Plan
- Exhibit G: Environmental Assessment

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directional, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.
SIGNED: Terry Lindeman TITLE: Production Superintendent DATE: 10/15/97

(This space for Federal or State office use)

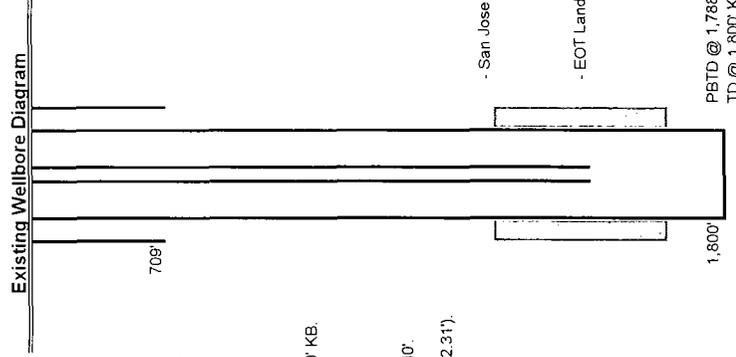
PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:
APPROVED BY: [Signature] TITLE: Area Manager DATE: 12/8/97

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



Surface Casing
 13-3/8" 48#, H-40, ST&C, set @ 709' KB.
 13-3/8" Hole.
 Cmt w/ 845 sx Class-H cmt, 15.6 ppg,
 1.2 cu.ft/sx, 2% CaCl2, 1/4 lbs/sx CF,
 circ. 200 sx to surface.

Production Casing
 8-5/8" 24#, K-55, 8rd, ST&C, set @ 1,800' KB.
 11" Hole.
 casing not cemented.

Tubing
 2-7/8" x 2-3/8" pink pin crossover @ 00.40'.
 2-3/8" 1,785' seating nipple @ 0.90'.
 2-3/8" 4,7# J-55, EUE tubing (1 jnt @ 32.31').
 2-3/8" Wireline Re-Entry Guide @ 0.40'.
 EOT Landed @ 1,373' KB.

Perforations
 San Jose:
 1,030' - 1,050' (20', 4 spf, 80 holes)
 1,120' - 1,130' (10', 4 spf, 40 holes)
 1,187' - 1,207' (20', 4 spf, 80 holes)
 1,239' - 1,245' (6', 4 spf, 24 holes)
 1,312' - 1,320' (8', 4 spf, 32 holes)
 1,483' - 1,493' (10', 4 spf, 40 holes)
 1,598' - 1,605' (6', 4 spf, 24 holes)
 1,818' - 1,828' (10', 4 spf, 40 holes)
 1,897' - 1,703' (6', 4 spf, 24 holes)

Capacities:
 2-3/8" tbg @ 0.00387 bbls/ft (DD @ 1,901').
 Pc @ 8,100 psig, Pb @ 7,700 psig.
 Joint Yield @ 71,730 lbs.
 8-5/8" csg @ 0.0636 bbls/ft (DD @ 7.972').
 Pc @ 1,370 psig, Pb @ 2,950 psig.
 Joint Yield @ 263,000 lbs.
 8-5/8" x (1)2-3/8" Annulus @ 0.0582 bbls/ft.

San Jose:
 1,030' - 1,703' No reported stimulation.
 Final flow test on 3/8" choke, FTP @ 88 psig, 321 mcf/d, no water.



Capacities:
 1.9" tbg @ 0.00252 bbls/ft (DD @ 1,516').
 Pc @ 7,750 psig, Pb @ 7,350 psig.
 Joint Yield @ 36,970 lbs.
 5 1/2" csg @ 0.0238 bbls/ft (DD @ 4,825').
 Pc @ 4,040 psig, Pb @ 4,810 psig.
 5 1/2" x 1.9" Annulus @ 0.0203 bbls/ft.

Production Casing
 5-1/2" 15.5#, K-55, LT&C, set @ 4047' KB.
 7 7/8" Hole.
 Cmt w/ 160 sx 35/65 POZ cmt, 12% Gel,
 2% CaCl2, 1/4 lbs/sx HCF, 6 1/4 lbs/sx gilsonite,
 11.1 ppg, 2.97 cu.ft/sx, tailed w/ 600 sx 50/50
 POZ cmt, 2% Gel, 2% CaCl2, 0.4% FL-52,
 6 1/4 lbs/sx gilsonite, 13.4 ppg, 1.9 cu.ft/sx,
 circ. 105 sx to surface.

Tubing
 1.9" 2.9#, J-55, EUE, 10R tbg (1 jnt @ 30.38').
 1.9" x 8' J-55 tbg subs (2 subs @ 16.38').
 1.9", 2.9#, J-55, EUE, 10R tbg (95 jnts @ 3,020.96').
 1.9" x 2 3/8" cross-over @ 0.80'.
 2 3/8" on/off tool w/ 1.43" F-Type profile @ 1.65'.
 5-1/2" x 2 3/8" ASIX 10K pkr @ 6.95'.
 2-3/8" wireline re-entry guide @ 0.40'.
 Pkr set @ 3,092' KB.

Perforations
 Ojo Alamo:
 3,205' - 3,245' (40', 4 spf, 160 holes)
 3,272' - 3,282' (10', 4 spf, 40 holes)

Ojo Alamo:
 BD w/ 3,500 gals 7 1/2% HCl acid.
 Frac w/ 83,000 lbs 12/20 sd, 1-4 ppg, 790 msct N2(75% Q), avg @ 25 bpm @ 3,300 psig
 dn 2 7/8" tbg, ISIP @ 2,300 psig.
 Flow Test on 3/8" choke, FTP @ 60 psig, 172 mcf/d, 1 bwph.

Jicarilla 457-9 SJ No. 2
NW/4 Section 9-30N-3W

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico
E. 47, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

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

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

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

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

AMENDED REPORT

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-25905-00-00		*Pool Code 97037	*Pool Name CABRISTO CANYON TERTIARY
*Property Code 23335	*Property Name JICARILLA 457-9 SJ		*Well Number 2
*GRID No. 13925	*Operator Name MALLON OIL CO.		*Elevation 7216'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	9	30-N	3-W		719'	NORTH	802'	WEST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

18 N 89-52-31 E 2885' S/4 CORNER SEC. 4

	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p>Signature: <i>Robert Blaylock</i></p> <p>Printed Name: ROBERT BLAYLOCK</p> <p>Title: DISTRICT MANAGER</p> <p>Date: 12/6/01</p>
	<p>18 SURVEYOR CERTIFICATION</p> <p>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 belief.</p> <p>Date of Survey: 5-19-01</p> <p>Signature and Seal of Registered Professional Land Surveyor: <i>[Signature]</i></p> <p>8894</p> <p>Certificate Number</p>

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT DUPLICATE
Section
on reverse side

FORM APPROVED
OMB NO. 1004-0137
Expires February 28, 1995

CONFIDENTIAL

SUBMITTED FOR APPROVAL

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL OIL WELL GAS WELL DRY OTHER

TYPE OF COMPLETION
NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF RESVR

2. NAME OF OPERATOR
Mallon Oil Company

3. ADDRESS AND TELEPHONE NO.
P. O. Box 2797 Durango, CO 81302 (970) 382-9100

4. LOCATION OF WELL *(Report location clearly and in accordance with any State requirements *)*
At surface **719' FNL, 802' FWL (D) Sec 9-T30N-R03W**
At top prod. interval reported below
At total depth **719' FNL, 802' FWL (D) Sec 9-T30N-R03W**

5. LEASE DESIGNATION AND SERIAL NO.
Jic 457

6. IF INDIAN ALLOTTEE OR TRIBE NAME
Jicarilla Apache Tribe

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME, WELL NO.
Jicarilla 457-9 SJ No. 2

9. API WELL NO.
30-039-25905

10. FIELD AND POOL, OR WILDCAT
Cabresto Canyon; San Jose Ext.

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec 9-T30N-R03W

14. PERMIT NO. N/A	DATE ISSUED N/A	12. COUNTY OR PARISH Rio Arriba	13. STATE NM
15. DATE SPUNDED 8/16/98	16. DATE TD REACHED 8/21/98	17. DATE COMP (Ready to Prod.) 10/01/98	18. ELEVATION (DF, RKB, RT, GR, ET) 7216'
19. ELEV. CASINGHEAD 7217'		20. TOTAL DEPTH, MD & TVD 1800'	
21. PLUGBACK TD, MD & TVD 1800'		22. IF MULTIPLE COM., HOW MANY*	23. INTERVALS DRILLED BY →
24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*) 1030'-1050', 1120'-1130', 1187'-1207', 1239'-1245', 1312'-1320', 1483'-1493', 1599'-1605', 1608'-1628', 1697'-1703'		25. WAS DIRECTIONAL SURVEY MADE Yes	
26. TYPE ELECTRIC AND OTHER LOGS RUN None		27. WAS WELL CORED No	

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13-3/8" H-40	48 lb	726'	17-1/4"	845 sxs Class H cmt, circ 200	
8-5/8" K-55	24 lb	1800'	12-14"	No cmt	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					2-3/8"	1371'	N/A

31. PERFORATION RECORD *(Interval, size, and number)*
1030'-1703' 4 JSPF 440 holes

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION 10/20/98		PRODUCTION METHOD <i>(Flowing, gas lift, pumping - size and type of pump)</i> Flowing			WELL STAT <i>(Producing or Shut In)</i> Producing		
DATE OF TEST 10/1/98	HOURS TESTED 24	CHOKE SIZE 3/8"	PROD'N FOR TEST PERIOD →	OIL - BBL 0	GAS - MCF 248	WATER - BBL 0	GAS-OIL RATIO N/A
FLOW TBG PRESS 65	CASING PRESSURE 0	CALCULATED 24-HOUR RATE →	OIL - BBL 0	GAS - MCF 248	WATER - BBL 0	OIL GRAVITY - API (CORR.) N/A	

34. DISPOSITION OF GAS *(Sold, used for fuel, vented, etc.)*
Sold

TEST WITNESSED BY
Richard King

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 **Christy Serrano** (Christy Serrano) Production Secretary DATE **1/13/99**

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

CONFIDENTIAL

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				San Jose	1560 TD	

RECEIVED
BLM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

99 FEB 19 AM 6:17
SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use APPLICATION FOR PERMIT --" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other:	5. Lease Designation and Serial No. Jic 457
2. Name of Operator Mallon Oil Company	6. If Indian, Alotie or Tribe Name Jicarilla Apache Tribe
3. Address and Telephone No. P.O. Box 2797 Durango, CO 81302 (970)382-9100	7. If Unit or CA, Agreement Designation N/A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 719' FNL and 802' FWL (NW NW) Unit D Sec. 9, T30N-R03W	8. Well Name and No. Jicarilla 457-9 SJ No. 2
	9. Well API No. 30-039-25905
	10. Field and Pool, or Exploratory Area Cabresto Canyon, San Jose Ext.
	11. County or Parish, State Rio Arriba County, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other: Spud Notice
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)

Mallon Oil Company spud the above referenced well on 8/16/98 at 2:15 pm. Drilled a 17-1/4" hole, 13-3/8" x 48 lb/ft surface casing was set at 726'. Cement with 845 sxs, circ 200 sxs to pit.

14. I hereby certify that the foregoing is true and correct

Signed Christy Serrano Title Production Secretary Date 2-18-99

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved By [Signature] Title Lands and Mineral Resources Date APR 14

Conditions of approval, if any:

18 U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

CONFIDENTIAL

Jicarilla 457-9 No. 2
NW/4 Section 9-30N-3W

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

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

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

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Geology, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

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

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-26064-00-00		² Pool Code 97037	³ Pool Name CABRISTO CANYON TERTIARY
⁴ Property Code 23335	⁵ Property Name JICARILLA 457-9		⁶ Well Number 2
⁷ OGRID No. 13925	⁸ Operator Name MALLON OIL CO.		⁹ Elevation 7216'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	9	30-N	3-W		695	NORTH	731	WEST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

18 N 89-52-31 E 2884.76' S/4 CORNER SEC. 4

	<p>17 OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p>Signature: <i>[Signature]</i></p> <p>Printed Name: ROBERT BLAYLOCK</p> <p>Title: DISTRICT MANAGER</p> <p>Date: 12/6/01</p>
	<p>18 SURVEYOR CERTIFICATION</p> <p><i>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 belief.</i></p> <p>Date of Survey: 9-1-01</p> <p>Signature: <i>[Signature]</i></p> <p>Registered Professional Land Surveyor Seal: </p> <p>Certificate Number: 8894</p>

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN DUPLICATE
(See other instructions
on reverse side)

FORM APPROVED
OMB NO. 1004-0137

Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

a. TYPE OF WELL
OIL WELL GAS WELL DRY OTHER _____

b. TYPE OF COMPLETION
NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF RESVR

2. NAME OF OPERATOR
Mallon Oil Company

3. ADDRESS AND TELEPHONE NO.
P. O. Box 2797 Durango, CO 81302 (970) 382-9100

4. LOCATION OF WELL
(Report location clearly and in accordance with any State requirements *)
At surface **695' FNL and 731' FWL (NW NW) Unit D**
At top prod. interval reported below **695' FNL and 731' FWL (NW NW) Unit D**
At total depth _____

5. LEASE DESIGNATION AND SERIAL NO.
Jic 457

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache Tribe

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME, WELL NO.
Jicarilla 457-9 No. 2

9. API WELL NO.

10. FIELD AND POOL, OR WILDCAT
Cabresto Canyon; Ojo Alamo Ext

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec 9, T30N-R03W

14. PERMIT NO. **N/A** DATE ISSUED **N/A** 12. COUNTY OR PARISH **Rio Arriba** 13. STATE **NM**

15. DATE SPUNDED **9/12/98** 16. DATE TD REACHED **9/21/98** 17. DATE COMP (Ready to Prod.) **09/29/98** 18. ELEVATION (DF, RKB, RT, GR, ET) **7216'** 19. ELEV. CASINGHEAD **7217'**

20. TOTAL DEPTH, MD & TVD **4060'** 21. PLUGBACK TD, MD & TVD **3982'** 22. IF MULTIPLE COMPS., HOW MANY* _____ 23. INTERVALS DRILLED BY **→** ROTARY TOOLS **Yes** CABLE TOOLS **No**

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*)
3205'-3245', 3272'-3282' Cabresto Canyon; Ojo Alamo Ext 25. WAS DIRECTIONAL SURVEY MADE **Yes**

26. TYPE ELECTRIC AND OTHER LOGS RUN
SDL-DSN, BCS, DIL-SGRD BSC, SDL-DSN, DILT-SGRD 27. WAS WELL CORED **Yes**

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" K-55	24 lb	553'	12-1/4"	cmt 300 sxs Class H cmt, circ	
5-1/2" K-55	15.5 lb	4047'	7-7/8"	50 sxs cmt to surface	
				cmt 760 sxs, circ 105 sxs to surface	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					1.9"	3090'	3089'

31. PERFORATION RECORD (Interval, size, and number)
3205'-3282' 4 JSPF (200 Holes)

ACCEPTED FOR RECORD

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3205'-3282'	Acidize 3500 gals 7-1/2 Frac 83,000 lbs 12/20 Sand

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)	WELL STAT (Producing or Shut In)					
10/20/98	Flowing	Producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
10/9/98	24	3/8"	→	0	230	12	N/A
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)	
72	0	→	0	230	12	N/A	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Sold** TEST WITNESSED BY **John Angel**

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 Christy Serrano (Christy Serrano) Production Secretary DATE 1/13/99

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents of cores; cored intervals; and all drill-stems tests, including depth interval tested, cushion used, time tool open, flow rate, and shut-in pressures, and recoveries):

38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				San Jose	1535	
				Nacimiento	2116	
				Ojo Alamo	3192	
				Kirtland	3428	
				Fruitland	3615	
				Pictured Cliffs	3755	
				Lewis	3853	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

99 MAR 17
DPO ALBUQUERQUE, N.M.

5. Lease Designation and Serial No.
A-145757

6. If Indian, Allote or Tribe Name
Jicarilla Apache Tribe

7. If Unit or CA, Agreement Designation
N/A

8. Well Name and No.
Jicarilla 457-9 No. 2

9. Well API No.
30-039-26064

10. Field and Pool, or Exploratory Area
E. Blanco Pictured Cliffs *Capistrano*

11. County or Parish, State
Rio Arriba County, New Mexico *Capistrano*

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other:

2. Name of Operator
Mallon Oil Company

3. Address and Telephone No.
P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
695' FNL and 731' FWL (NW NW) Unit D
Sec. 9, T30N-R03W

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other: Ammendment
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)*

Mallon Oil Company proposes an ammendment to the spud sundry for the above referenced well. The spud sundry dated 1/13/99, and approved 2/10/99 shows the 8-5/8" casing depth was set at 537.21'. The correct depth for the 8-5/8" casing is 553'.

14. I hereby certify that the foregoing is true and correct

Signed Christy Serrano Title Production Secretary Date 3-13-99

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved By Patricia M. Hester Title Lands and Mineral Resources Date 3-17-1999

Conditions of approval, if any.

U. S. C. Section 1001, makes it a crime for any person knowingly and wilfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

UNITED STATES **CONFIDENTIAL**
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other:		5. Lease Designation and Serial No. Jic 457
2. Name of Operator Mallon Oil Company		6. If Indian, Allote or Tribe Name Jicarilla Apache Tribe
3. Address and Telephone No. P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596		7. If Unit or CA, Agreement Designation N/A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 695' FNL and 731' FWL (NW NW) Unit D Sec. 9, T30N-R03W		8. Well Name and No. Jicarilla 457-9 No. 2
		9. Well API No. 20-039-26064
		10. Field and Pool, or Exploratory Area E. Blanco Pictured Cliffs
		11. County or Parish, State Rio Arriba County, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other: Spud Notification
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)

Mallon Oil Company spud the above referenced well on 9/12/98 at 1:30pm. Drilled 12-1/4 hole, 8-5/8" x 24 lb/ft surface casing was set at 537.21 and cemented with 300 sxs Class "H" cement. Circulated 50 sxs of cmt to surface.

14. I hereby certify that the foregoing is true and correct

Signed Christy Senamo Title Production Secretary Date 11-3-99

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved By Patricia M. Hester Title Lands and Mineral Resources Date 2-10-99

Conditions of approval, if any:

U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DESIGNATION AND SERIAL NO. JIC 457

6. INDIAN ALLOTTEE OR TRIBE NAME Jicarilla Apache

7. UNIT AGREEMENT NAME N/A

8. FARM OR LEASE NAME, WELL NO. Jicarilla 457-9 No. 2

9. API WELL NO. 30-039-26060

10. FIELD AND POOL, OR WILDCAT CABRISTO CANYON; OTTO ALMAREZ

11. SEC. T. R. M. OR BLK AND SURVEY OR AREA Sec. 9, T30N-R03W

12. COUNTY OR PARISH Rio Arriba

13. STATE NM

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 57.5 miles east of Bloomfield, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 802'

16. NO. OF ACRES IN LEASE 2560

17. NO. OF ACRES ASSIGNED TO THIS WELL 160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 4500'

19. PROPOSED DEPTH 4500'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (SHOW WHETHER DF, RT, GR, Etc.) 7216' GL

22. APPROX. DATE WORK WILL START July 4, 1998

PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	500'	Circ. to surface
7-7/8"	5-1/2"	15.5#	4500'	570 sks

Mallon Oil Company proposes to drill to a depth sufficient to test the Pictured Cliffs formation. If productive, 5-1/2" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with Federal regulations. Specific programs as per on-shore Oil and Gas Order No. 1 are outlined in the following attachments: AFMSS

Drilling Program

- Exhibit 1: Blow Out Preventor Equipment/Plan
- Exhibit A: Location and Elevation Plat
- Exhibit B: Existing Roads/Planned Access Roads
- Exhibit C: One Mile Radius Map
- Exhibit D: Drilling Site Layout
- Exhibit E: Production Facilities
- Exhibit F: H2S Contingency Plan
- Exhibit G: Environmental Assessment

Adjud	gmg
Engr	
Geol	
Surf	
Appv	JT 7/2/98

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED: Terry Lindeman TITLE: Operations Superintendent DATE: May 29, 1998

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL IF ANY:
APPROVED BY: Hector J. Valdez TITLE: Asst. Field Mgr DATE: 7/1/98

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Location moved to avoid large Anderson

Jicarilla 457 SJ No. 1
SW/4 Section 9-30N-3W

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

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

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

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-26245-00-00		² Pool Code 97037		³ Pool Name CABRISTO CANYON TERTIARY	
⁴ Property Code 25132		⁵ Property Name JICARILLA 457		⁶ Well Number 1SJ	
⁷ OGRID No. 13925		⁸ Operator Name MALLON OIL CO.		⁹ Elevation 7158'	

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	9	30-N	3-W		1498	SOUTH	1244	WEST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>16 FD. U.S.G.L.O. BC. 1917</p> <p>5144.7</p> <p>N 00-02-00 W</p> <p>1244'</p> <p>EXISTING WELL</p> <p>1498'</p> <p>S 89-56-34 E 5284.9'</p> <p>FD. U.S.G.L.O. BC. 1917</p>	<p>17 OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i></p> <p></p> <p>Signature</p> <p>ROBERT BLAYLOCK</p> <p>Printed Name</p> <p>DISTRICT MANAGER</p> <p>Title</p> <p>10/3/01</p> <p>Date</p>

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See instructions
on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL OIL GAS
WELL WELL DRY OTHER _____

b. TYPE OF COMPLETION
NEW WORK DEEP- PLUG DIFF
WELL OVER EN BACK RESVR

5. LEASE DESIGNATION AND SERIAL NO.
Jic 457

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME, WELL NO.
Jicarilla 457 SJ No. 1

9. API WELL NO.
30-039-26245

10. FIELD AND POOL, OR WILDCAT
Cabresto Canyon, San Jose

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 9-T30N-R03W

2. NAME OF OPERATOR
Mallon Oil Company

3. ADDRESS AND TELEPHONE NO.
P. O. Box 2797 Durango, CO 81302 (970) 382-9100

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
At surface 1498' FSL and 1244' FWL (NW SW), Unit L
At top prod. interval reported below 1498' FSL and 1244' FWL (NW SW), Unit L
At total depth 1498' FSL and 1244' FWL (NW SW), Unit L

14. Permit No. N/A Date Issued N/A

12. COUNTY OR PARISH Rio Arriba 13. STATE NM

15. DATE SPUDED 12/22/99 16. DATE TD REACHED 12/30/99 17. DATE COMP (Ready to Prod.) 01/12/00 18. ELEVATION (DF, RKB, RT, GR, ET) 7158' 19. ELEV. CASINGHEAD 7159'

20. TOTAL DEPTH, MD & TVD 2010' 21. PLUGBACK TO, MD & TVD 1942' 22. IF MULTIPLE COMPS., HOW MANY* 23. INTERVALS DRILLED BY → 24. ROTARY TOOLS Yes 25. CABLE TOOLS

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
1451'-1457', 1498'-1506', 1550'-1560', 1569'-1576', 1612'-1622'

26. TYPE ELECTRIC AND OTHER LOGS RUN
SDL/DSN, DINO-SGRD 27. WAS WELL CORED No

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	211'	12-1/4"	cmt 130 sx Type 3 cmt	
				circ 3 bbls to surface	
4-1/2"	11.6#	2003'	6-3/4"	cmt 325 sx 50:50 poz	
				circ 36 sx to surface	

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N.A.					2-3/8"	1453'	

31. PERFORATION RECORD (Interval, size, and number)
1451'-1457', 1498'-1506', 1550'-1560', 1569'-1576', 1612'-1622'
2 JSPF (82 holes)
Cabresto Canyon, San Jose

32. ACID; SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
1612'-1622' acidize 800 gal 7-1/2% HCL acid
1550'-1560', 1569'-1576 acidize 1200 gal 7-1/2% HCL acid
1451'-1457', 1498'-1506 acidize 500 gal 7-1/2% HCL acid
frac 59,200# 12/20 Brady sand
5,790 8/14 flex sand, 248,000 SCF N2

33. PRODUCTION

DATE FIRST PRODUCTION 1/21/00 PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing WELL STAT (Producing or Shut In) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
1/13/00	24	3/8"	→	0	470	2	N/A

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)
135	0	→	0	470	2	N/A

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold TEST WITNESSED BY M. Davis

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

SIGNED Linda D. Wilkins (Linda Wilkins) Engineering Technician DATE 3/3/2000

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	MEAS. DEPTH	TRUE VERT DEPTH
				L. San Jose		1496	

CONFIDENTIAL

Form 3160-3
(JUNE 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other:	5. Lease Designation and Serial No.
2. Name of Operator Mallon Oil Company	6. If Indian, Allote or Tribe Name Jicarilla Apache Tribe
3. Address and Telephone No. P.O. Box 2797 Durango, CO 81302 (970)382-9100	7. If Unit or CA, Agreement Designation N/A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1498' FSL and 1244' FWL (NW SW) Unit L Sec. 9, T30N-R03W	8. Well Name and No. Jicarilla 457 SJ No. 1
	9. Well API No. 30-039-26245
	10. Field and Pool, or Exploratory Area Cabresto Canyon; San Jose Ext.
	11. County or Parish, State Rio Arriba County, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other: Spud
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)*

Mallon Oil Company spud the above referenced well on December 22, 1999.
Drilled 12-1/4" hole, 8-5/8" x 24 lb/ft surface casing was set at 211'. Cemented 130 sxs Type 3 cmt circulated 2 bbls to surface.

14. I hereby certify that the foregoing is true and correct

Signed Christy Serrano Title Production Clerk Date 1-19-00

APPROVED BY: _____ TITLE: _____ DATE: _____

Conditions of approval, if any:

U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

CONFIDENTIAL

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Form 3160-3
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
 Drill Deepen

b. TYPE OF WELL
 Oil Well Gas Well Other Single Zone Multiple Zone

5. LEASE DESIGNATION AND SERIAL NO.
JIC 457

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME, WELL NO.
Jicarilla 457SJ No. 1

9. API WELL NO.

10. FIELD AND POOL, OR WILDCAT
Cabresto Canyon, San Jose ext.

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
Sec. 9, T30N-R03W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

2. NAME OF OPERATOR
Mallon Oil Company

3. ADDRESS AND TELEPHONE NO.
P.O. Box 2797
Durango, CO 81302 (970) 382-9100

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. *)
 At surface 1498' FSL and 1244' FWL (NW/Sw) Unit L
 At proposed prod. zone 1498' FSL and 1244' FWL (NW/SW) Unit L

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE *
51 miles east of Bloomfield, New Mexico

15. DISTANCE FROM PROPOSED *
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
1244'
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE
2,560

17. NO. OF ACRES ASSIGNED
TO THIS WELL
156

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.
100'

19. PROPOSED DEPTH
1800'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (SHOW WHETHER DF, RT, GR, Etc.)
7158' GR

22. APPROX. DATE WORK WILL START
08/15/99

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	500'	Circulate to surface
7-7/8"	4-1/2"	14.7#	1800'	300 sks 50/50 Poz_w/additive

Mallon Oil Co. proposes to drill this well to an approximate TD of 1800' in the San Jose formation. This well is placed on an existing well pad. Some additional pad extension may be required. The Jicarilla oil and Gas Administration has waived any necessity of re-onsiting the well pad as long as any required archaeology survey is submitted. Environmental assessment was previously submitted under the initial well APD. If productive, 4-1/2" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with Federal regulations. Specific programs as per on-shore Oil and Gas Order No. 1 are outlined in the following attachments:

- Drilling Program**
- Exhibit 1: Blow Out Preventer Equipment/Plan
 - Exhibit A: Location and Elevation Plat
 - Exhibit B: Roads and Pipelines
 - Exhibit C: One Mile Radius Map
 - Exhibit D: Drilling Site Layout
 - Exhibit E: Production Facilities
 - Exhibit F: H2S Contingency Plan
 - Exhibit G: Archaeology Report

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: Terry Lindeman TITLE: Operations Superintendent DATE: 07/16/99

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY: As attached

APPROVED BY: [Signature] TITLE: AAFO DATE: 11/27/99

*See Instructions On Reverse Side

18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONFIDENTIAL

Jicarilla 457 No. 1
SW/4 Section 9-30N-3W

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-24106		Pool Code 96536	Pool Name WILDCAT 30N30W94.0JO ALAMO (G)
Property Code	Property Name JICARILLA 457		Well Number 1
OGRID No.	Operator Name ROBERT L. BAYLESS		Elevation 7154

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
L	09	30N	03W		1450	SOUTH	1190	WEST	RA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 160	13 Joint or Infill	14 Consolidation Code	15 Order No.
---------------------------	--------------------	-----------------------	--------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16				17 OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>	
				Signature <i>Robert L. Bayless</i> Robert L. Bayless Printed Name Operator Title Date April 23, 1996	
190				18 SURVEYOR CERTIFICATION <i>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 belief.</i>	
	1450			Date of Survey Signature and Seal of Professional Surveyer Certificate Number	

CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2018
SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-79

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

Owner ROBERT L. BAYLESS		Lease JICARILLA 457			Well No. 1
Well Letter L	Section 9	Township 30 North	Range 3 West	County Rio Arriba	
Actual Footage Location of Well: (cardinal) 1450 feet from the South line and 1190 feet from the West line					
Ground Level Elev. 7154	Producing Formation Pictured Cliffs	Pool East Blanco Pictured Cliffs	Dedicated Acreage: 160 Acres		

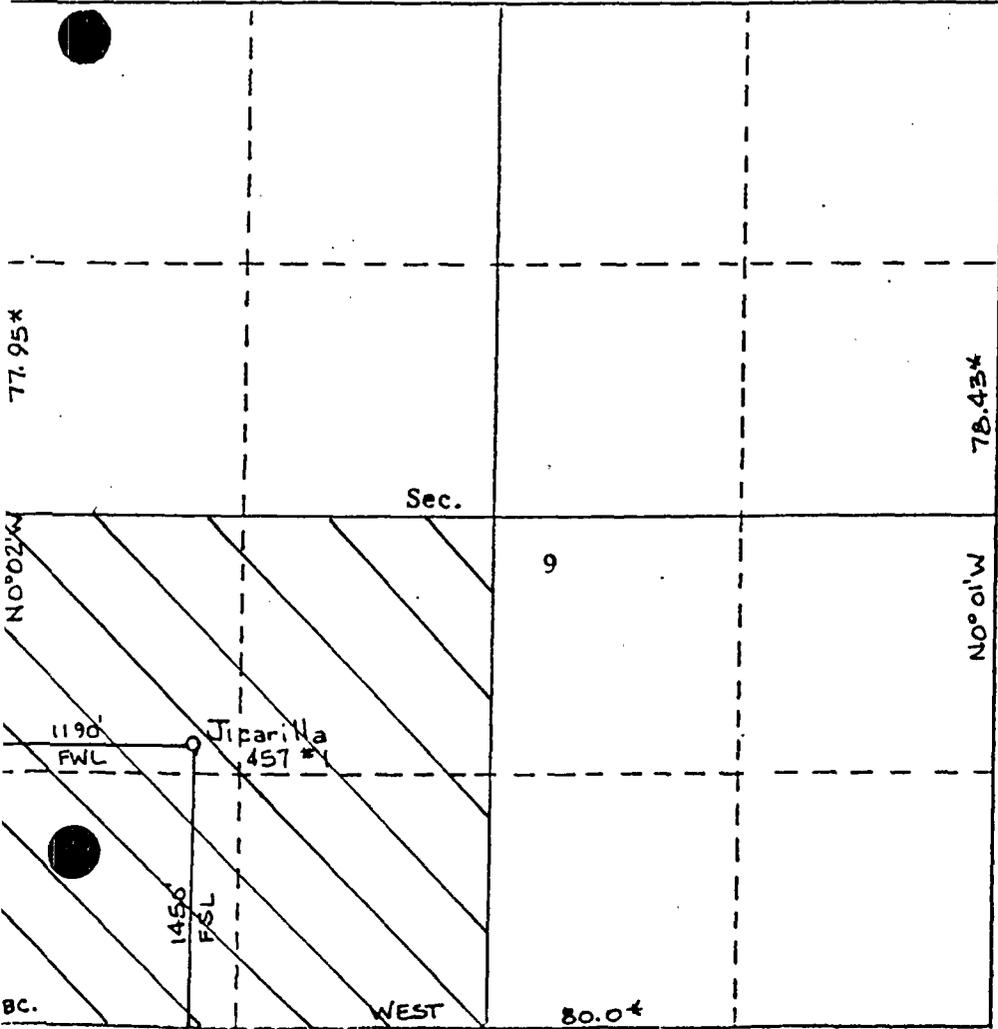
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is 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 _____

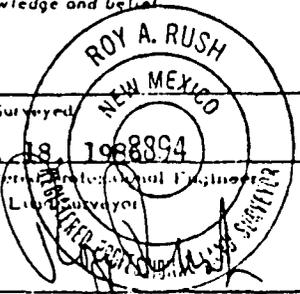
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

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 Division.

Record GLO plat 1922



CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Name	<i>Kevin H. McCord</i>
Position	Petroleum Engineer
Company	Robert L. Bayless, Producer
Date	August 29, 1990
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.	
Date Surveyed	Sept. 18, 1988
Registered Professional Engineer and/or Licensed Surveyor	<i>[Signature]</i>
Certificate No.	9894



CONFIDENTIAL

Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
AMENDED

SUBMIT IN DUPLICATE*
(See other instructions
on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires. February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO

Jicarilla Contract 457

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO

Jicarilla 457 No. 1

9. API WELL NO.

30-039-24305

10. FIELD AND POOL, OR WILDCAT

E. Blanco, Ojo Alamo

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

Sec. 9, T30N-R3W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

1a. TYPE OF WELL OIL GAS
WELL WELL DRY OTHER

b. TYPE OF COMPLETION
NEW WORK DEEP- PLUG DIFF
WELL OVER EN BACK RESVR OTHER

2. NAME OF OPERATOR
Mallon Oil Company

3. ADDRESS AND TELEPHONE NO
P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
At surface 1450' FLS and 1190' FWL

At top prod. interval reported below 1450' FLS and 1190' FWL

At total depth 1450' FLS and 1190' FWL

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED 12/15/86 16. DATE TD REACHED 12/21/86 17. DATE COMP (Ready to Prod.) 6/10/89 18. ELEVATION (DF, RKB, RT, GR, ETC*) 7154' GL, 7167' RKB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 4045' 21. PLUGBACK TD, MD & TVD 3972' 22. IF MULTIPLE COMP., HOW MANY* 23. INTERVALS DRILLED BY 24. ROTARY TOOLS 0 - TD 25. CABLE TOOLS

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*) 3146'-3247' Ojo Alamo 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Bond Log 27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
7-5/8"	26.4 #	138'	9-7/8"	60 sxs Class B	
4-1/2"	11.6 #	4038'	6-3/4"	200 sxs 50/50 Poz	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (M)
					2-3/8"	3005'	3005'

31. PERFORATION RECORD (Interval, size, and number)

3146'-3156'	3216'-3220'
3164'-3180'	3223'-3226'
3196'-3208'	3238'-3247'
3210'-3214'	1 JSPF .34" dia

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3146'-3247'	59,000 gals 75% N2 Foam 76,000 lbs 12/20 Sand

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)	WELL STATUS (Producing or Shut In)
9/7/97	Flowing	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
9/7/97	24	1/2"		0	1319	12	

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)
200	0					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold TEST WITNESSED BY Jeff Davis

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 H. J. Davis TITLE Production Analyst DATE 12/12/97

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

Title 18 U.S.C. 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985
LEASE DESIGNATION AND SERIAL NO.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

WELL WELL OTHER

1. NAME OF OPERATOR

Robert L. Bayless

3. ADDRESS OF OPERATOR

P.O. Box 168, Farmington, NM 87499

1. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below)
At surface

1450' FSL & 1190' FWL

Jicarilla Contract 457

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla 457

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undes. Oto Alamo

11. SEC., T., S., M., OR BLK. AND
SUBVY OR AREA

Section 9, T30N, R3W

12. COUNTY OR PARISH 13. STATE

Rio Arriba NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRAC'TURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other) Remedial plan response

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRAC'TURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work, if well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)

In response to your letter of September 12, 1989, concerning protection of fresh water in the San Jose Formation in this well, please be advised that we propose to cement this formation by pumping 375 sacks (773 ft³) of Class B cement with 2% econofill down the surface casing - production casing annulus. This volume of cement represents 100% excess and will fill the 6 3/4" hole - production casing annulus with cement to surface and, therefore, cover the San Jose Formation from 245 to 585 feet with cement. We will run a temperature survey after this job to verify that the San Jose Formation is covered with cement.

*Notify Mark Kelly or Kerry Howell
24 hours in advance*

Work is to be completed within 6 days

CONFIDENTIAL

18. I hereby certify that the foregoing is true and correct.

SIGNED

Robert L. Bayless

TITLE Operator

DATE

9/27/89

(This space for Federal or State office use)

APPROVED

APPROVED BY

TITLE

DATE

AS AMENDED

CONDITIONS OF APPROVAL, IF ANY:

NM000

*See Instructions on Reverse Side

295031989
[Signature]
AREA MANAGER

UNIT STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Jic. Contract 457
2. NAME OF OPERATOR Robert L. Bayless		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache Tribe
3. ADDRESS OF OPERATOR P.O. Box 168, Farmington, NM 87499		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1450' FSL & 1190' FWL		8. FARM OR LEASE NAME Jicarilla 457
14. PERMIT NO.		9. WELL NO. #1
		10. FIELD AND POOL, OR WILDCAT Wildcat
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7167'RKB		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 9, T30N, R3W
		12. COUNTY OR PARISH Rio Arriba
		13. STATE NM

RECEIVED

DEC 17 1986

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

18. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Spud; surf. csq.</u> <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).*

Spud well at 10:00 p.m. 12/15/86. Drilled 140 ft. of 9-7/8" hole. Ran 3 jts. of 7-5/8" 26.4#/ft. S95 used casing (126.00 ft.). Set at 138 ft. RKB. Rigged up Dowell. Cemented surface with 60 sacks of Class B cement with 3% CaCl (71 ft.3); good circulation throughout job. Circulated cement to surface. Plug down at 2:15 a.m. 12/16/85. WOC. Nipple up BOP.

18. I hereby certify that the foregoing is true and correct

SIGNED

Kevin H. McCord

TITLE

Petroleum Engineer

DATE

12/17/86

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD
DATE

DEC 18 1986

FARMINGTON RESOURCE AREA

*See Instructions on Reverse Side

OPERATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Robert L. Bayless

3. ADDRESS OF OPERATOR
 P.O. Box 168, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface: 1450' FSL & 1190' FWL
 At proposed prod. zone: same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
 BUREAU OF LAND MANAGEMENT FARMINGTON RESOURCE AREA

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE
 2533

17. NO. OF ACRES ASSIGNED TO THIS WELL
 160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH
 4170'

20. ROTARY OR CABLE TOOLS
 0 - T.D.

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 7154' 7167' RKB

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9"	7"	23#/ft	125	30 ft ³ Class B
6½"	4½"	11.6#/ft	4170'	206 ft ³ Class B w/2% econofil 89 ft ³ 50-50 pozmix

will drill 9" hole to 125' and set 125' 23#/ft J-55 casing cementing with 30 ft³ Class B Cement, circulated to surface. Will drill 6½" hole to 4150' and run 4150' of 4½" 11.63/ft J-55 casing and cement with 206 ft³ Class B with 2% econofil tailed by 89 ft³ 50-50 pozmix with 2% gel and 10% salt. Circulating medium will be clear water, natural mud and water loss control additives. No abnormal pressures or temperatures are anticipated. Will run Induction and Density Logs. Blowout preventer schematic is attached. The gas from this formation is not dedicated to a gas contract.

ESTIMATED TOPS: Ojo Alamo 3252'
 Kirtland 3492'
 Fruitland 3737'
 Pictured Cliffs 3850'
 T.D. 4170'

Run temperature survey & for bond log to determine cement top.
 IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED _____ TITLE Operator

DATE 9/30/86
APPROVED
AS AMENDED

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE DEC 11 1986

John Slucke
 AREA MANAGER

OPERATOR
 *See Instructions On Reverse Side

Jicarilla 460-16 SJ No. 1
NW/4 Section 16-30N-3W

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

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

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

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

OIL CONSERVATION DIVISION

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

AMENDED REPORT

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-25942-00-00		² Pool Code 97037	³ Pool Name CABRISTO CANYON TERTIARY
⁴ Property Code 23626	⁵ Property Name JICARILLA 460-16 SJ		⁶ Well Number 1
⁷ OGRID No. 13925	⁸ Operator Name MALLON OIL CO.		⁹ Elevation 7167'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	16	30-N	3-W		1940	NORTH	734	WEST	RIO ARRIBA

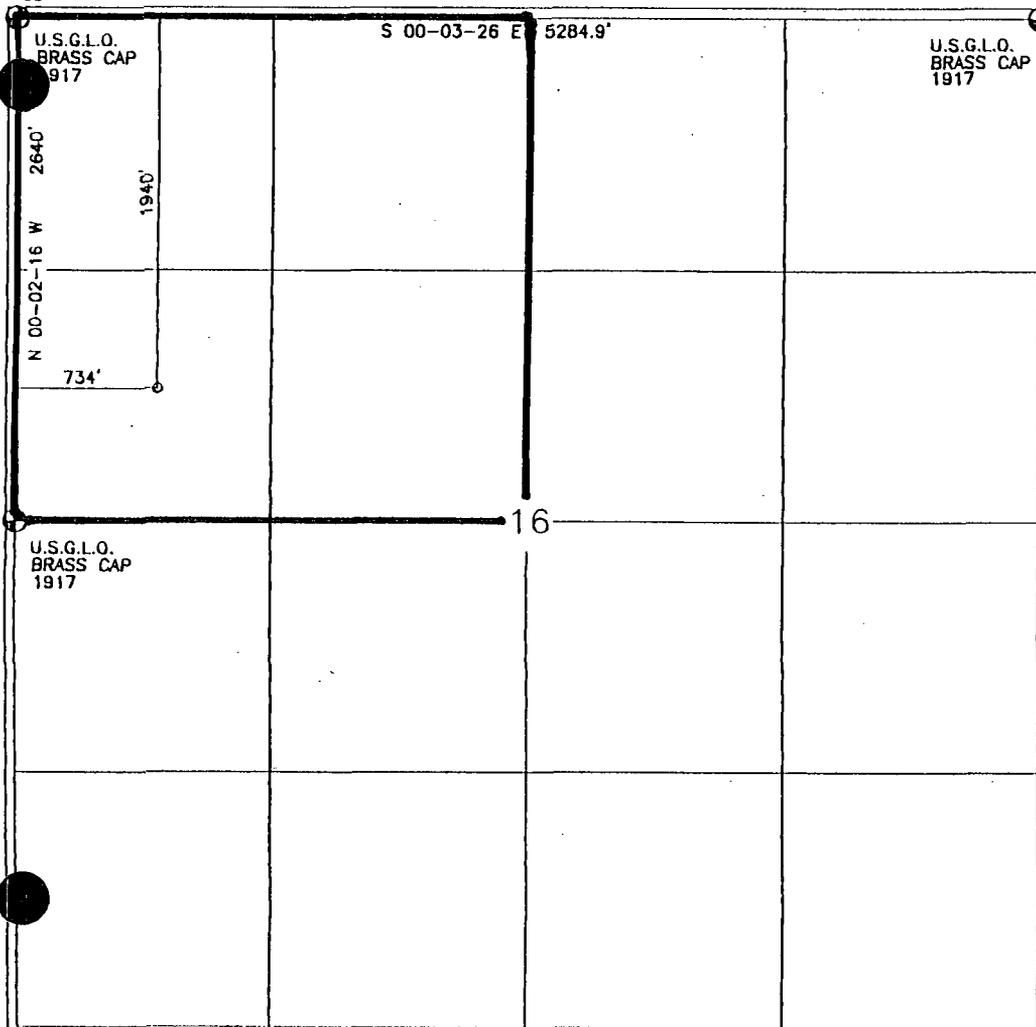
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16



17 OPERATOR CERTIFICATION

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

[Signature]
 Signature
 ROBERT BLAYLOCK
 Printed Name
 DISTRICT MANAGER
 Title
 12/6/01
 Date

18 SURVEYOR CERTIFICATION

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 belief.

[Signature]
 Date of Survey
 8894
 Signature and Seal of Professional Surveyor
 REGISTERED PROFESSIONAL LAND SURVEYOR
 8894
 Certificate Number

Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NO.
Jic 460

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME, WELL NO.
Jicarilla 460-16 No. 1 SJ

9. API WELL NO.

10. FIELD AND POOL, OR WILDCAT
Cabresto Canyon San Jose Ext

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec 16, T30N-R03W

1a. TYPE OF WELL
OIL GAS
WELL WEL DRY OTHER _____

TYPE OF COMPLETION
NEW WORK OVER
DEEP EN PLUG BACK DIFF RESVR

2. NAME OF OPERATOR
Mallon Oil Company

3. ADDRESS AND TELEPHONE NO.
P. O. Box 2797 Durango, CO 81302 (970) 382-9100

4. LOCATION OF WELL
(Report location clearly and in accordance with any State requirements *)
At surface **1940' FNL, 734' FWL (SW NW) Sec. 16, T30N-R03W, Unit E**
At top prod. interval reported below **1940' FNL, 734' FWL (SW NW) Sec. 16, T30N-R03W, Unit E**
At total depth

14. PERMIT NO. **N/A** DATE ISSUED **N/A**

12. COUNTY OR PARISH **Rio Arriba** 13. STATE **NM**

15. DATE SPUNDED **9/4/98** 16. DATE TD REACHED **9/11/98** 17. DATE COM (Ready to Prod.) **10/02/98** 18. ELEVATION (DF, RKB, RT, GR, E) **7167' GR** 19. ELEV. CASINGHEAD **7618'**

20. TOTAL DEPTH, MD & TVD **2050'** 21. PLUGBACK TD, MD & TVD **1920'** 22. IF MULTIPLE COMPS HOW MANY* **→** 23. INTERVALS DRILLED BY **→** ROTARY TOOLS **Yes** CABLE TOOLS **No**

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*)
1520'-1546', 1558'-1566', 1600'-1620', 1653'-1660', 1680'-1691'
1730'-1734', 1738'-1748', 1770'-1778' Cabresto Canyon, San Jose Ext

25. WAS DIRECTIONAL SURVEY MADE **Yes**

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED **No**

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" K-55	24	1182'	12-1/4"	800 sxs CI H, circ 140 sxs to pit	
4-1/2" J-55	10.5	2025'	7-7/8"	300 sxs 50/50 Poz, circ trace cmt to pit	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1.9"	1684'	None

31. PERFORATION RECORD (Interval, size, and number)
1520'-1778', 376 holes, 4 JSPF
Cabresto Canyon, San Jose Ext.

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
DEPTH INTERVAL (MD) **1520'-1778'**
AMOUNT AND KIND OF MATERIAL USED
acidize 5964 gals 7-1/2% HCL with 30% Meoh
Frac 13,902 gals x 70,000 lbs
12/20 Sand

33.* **PRODUCTION**

DATE FIRST PRODUCTION **10/10/98** PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) **Flowing** WELL STAT (Producing or Shut In) **Producing**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
9/30/98	24	3/8"	→	0	485	48	N/A

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)
140	0	→	0	485	48	N/A

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Sold** TEST WITNESSED BY _____

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 Christy Serrano Production Secretary DATE 12/8/98

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

Title 18 U.S.C. 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

CONFIDENTIAL

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				San Jose	1518' TD	

38.

GEOLOGIC MARKERS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004 0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

5. Lease Designation and Serial No.
Jic 460

6. If Indian, Allottee or Tribe Name
Jicarilla Apache Tribe

7. If Unit or CA, Agreement Designation
N/A

8. Well Name and No.
Jicarilla 460-16 No. 1 SJ

9. Well API No.

10. Field and Pool, or Exploratory Area
Cabresto Canyon; San Jose Ext.

11. County or Parish, State
Rio Arriba County, New Mexico

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other:

2. Name of Operator

Mallon Oil Company

3. Address and Telephone No.

P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1940' FNI and 734' FWL (SW NW) Unit E
Sec. 16, T30N-R03W

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other: Spud Notice
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)

Mallon Oil company spud the above referenced well on 9-4-98 at 2:30 pm. Drilled 12-1/4" hole, 8-5/8" x 24 lb/ft csg was set at 1182' and cemented with 800 sxs Class "H" cmt. Circulated 140 sxs to surface.

RECEIVED
OCT 15 11:00 AM
ALBUQUERQUE, NM

14. I hereby certify that the foregoing is true and correct

Signed Christy Serrano

Title Production Secretary

Date 11-9-98

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved By [Signature]
Conditions of approval, if any:

Title Energy and Mineral Resources

Date 11-1-98

Title 18 U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK Drill <input checked="" type="checkbox"/> Deepen <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Jic460
b. TYPE OF WELL Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache
2. NAME OF OPERATOR Mallon Oil Company		7. UNIT AGREEMENT NAME N/A
3. ADDRESS AND TELEPHONE NO. P.O. Box 3256 Carlsbad, NM 88220 (505) 885-4596		8. FARM OR LEASE NAME, WELL NO. Jicarilla 460-16 No. 1A
4. LOCATION OF WELL. (Report location clearly and in accordance with any State requirements.) At surface 1940' FNL, 734' FWL (SW NW) Unit E At proposed prod. zone 1940' FNL, 734' FWL (SW NW) Unit E		9. API WELL NO.
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE * 50 miles east of Bloomfield, New Mexico		10. FIELD AND POOL, OR WILDCAT Cabresto Canyon, San Jose E
15. DISTANCE FROM PROPOSED * LOCATION TO NEAREST 690' PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 16, T30N-R03W
16. NO. OF ACRES IN LEASE 1999.99		12. COUNTY OR PARISH Rio Arriba
17. NO. OF ACRES ASSIGNED TO THIS WELL 160		13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION * TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3550'		19. PROPOSED DEPTH 4500'
20. ROTARY OR CABLE TOOLS Rotary		21. ELEVATIONS (SHOW WHETHER DF, RT, GR, Etc.) 7168
22. APPROX. DATE WORK WILL START 08/10/98		

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8"	24#	1180'	cir to surface
7-7/8"				

Mallon Oil Company proposes to drill to a depth sufficient to test the San Jose formation. If productive, it will be open hole completed. If non-productive, the well will be plugged and abandoned in a manner consistent with Federal regulations. Specific programs as per on-shore Oil and Gas Order No. 1 are outlined in the following attachments: This bore hole is on an existing pad. The surface use plan is already in place.

Drilling Program

- | | |
|--|-------------------------------------|
| Exhibit 1: Blow Out Preventor Equipment/Plan | Exhibit D: Drilling Site Layout |
| Exhibit A: Location and Elevation Plat | Exhibit E: Production Facilities |
| Exhibit B: Roads and Pipelines | Exhibit F: H2S Contingency Plan |
| Exhibit C: One Mile Radius Map | Exhibit G: Environmental Assessment |

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED: M. Gay Davis TITLE: Production Analyst DATE: 8/3/98

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY: Confine all operations to the existing well pad.
APPROVED BY: Hector Villalobos TITLE: Asst. Field Mgr. DATE: 8/13/98

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Jicarilla 460-16 No. 1
NW/4 Section 16-30N-3W

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

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

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

OIL CONSERVATION DIVISION

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

AMENDED REPORT

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

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-25760-00-00		*Pool Code 97037	*Pool Name CABRISTO CANYON TERTIARY
*Property Code 22183	*Property Name JICARILLA 460-16		*Well Number 1
*OGRID No. 13925	*Operator Name MALLON OIL CO.		*Elevation 7168'

¹⁰ Surface Location

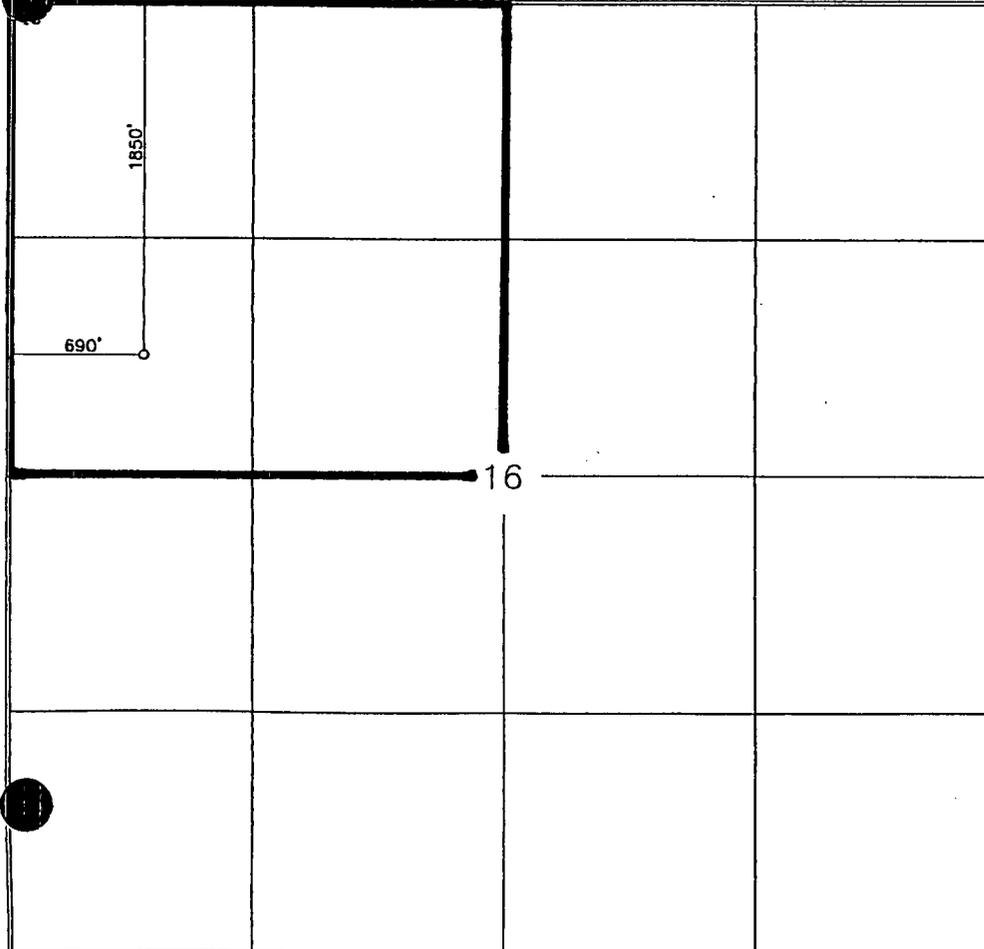
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	16	30-N	3-W		1850	NORTH	690	WEST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



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

Signature: Robert Blaylock
Printed Name: ROBERT BLAYLOCK
Title: DISTRICT MANAGER
Date: 12/6/01

18 SURVEYOR CERTIFICATION
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 belief.

Date of Survey: 10-1-01
Signature and Seal of 8894 Registered Professional Land Surveyor
Certificate Number: 8894

CONFIDENTIAL

Expires February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. TYPE OF WELL
 OIL WELL GAS WELL DRY OTHER _____
 b. TYPE OF COMPLETION
 NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF RESVR

5. LEASE DESIGNATION AND SERIAL NO
JIC 460
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache
 7. UNIT AGREEMENT NAME
N/A
 8. FARM OR LEASE NAME, WELL NO
Jicarilla 460-16 No. 1
 9. API WELL NO
30-039-25760
 10. FIELD AND POOL OR WILDCAT
Cabresto Canyon; Ojo Alamo Ext.
 11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA
Sec 16, T30N, R03W

2. NAME OF OPERATOR
Mallon Oil Company
 3. ADDRESS AND TELEPHONE NO
P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596
 4. LOCATION OF WELL
 (Report location clearly and in accordance with any State requirements.)
 At surface 1850' FNL, 690' FWL (SW NW), Unit E
 At top prod. interval reported below 1850' FNL, 690' FWL (SW NW), Unit E
 At total depth 1850' FNL, 690' FWL (SW NW), Unit E

14. PERMIT NO. N/A DATE ISSUED N/A
 12. COUNTY OR PARISH Rio Arriba 13. STATE NM
 15. DATE SPUDDED 2/22/98 16. DATE TO REACHED 2/28/98 17. DATE COMP (Ready to Prod) 6/15/98 18. ELEVATION (DF, RKB, RT, GR, E) 7168' GL 19. ELEV CASINGHEAD 7169'
 20. TOTAL DEPTH, MD & TVD 3970' 21. PLUGBACK TD, MD & TVD 3903' 22. IF MULTIPLE COMPS HOW MANY* N/A 23. INTERVALS DRILLED BY → ROTARY TOOLS YES CABLE TOOLS N/A
 24. PRODUCING INTERVAL (S) OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)
3164' - 3208' Ojo Alamo 25. WAS DIRECTIONAL SURVEY MADE YES
 26. TYPE ELECTRIC AND OTHER LOGS RUN GR, GDL, DSN, DIND, SGRD 27. WAS WELL CORED N/A

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24 lb	537.21'	12-1/4"	Cmt 30 sxs Class "B" Circ		
				95 sxs to surface		
5-1/8"	15.5 lb	3958'	7-7/8"	Cmt 580 sxs circ 57 sxs		
				to surface		

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	30. TUBING RECORD
N/A					SIZE 1.9 DEPTH SET (MD) 2997' PACKER SET (MD) 2998'

31. PERFORATION RECORD (Interval, size, and number)

INTERVAL	SIZE	NUMBER	32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
3164' - 3175'	4 JSPF	44 holes	DEPTH INTERVAL (MD) 3164' - 3208' AMOUNT AND KIND OF MATERIAL USED 2500 gals 7-1/2 acid Frac 36,000 lbs sand
3183' - 3208'	4 JSPF	100 holes	

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)	WELL STAT (Producing or Shut In)					
##	Flowing	SI					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
3/7/98	24	3/8"	→	0	673	110	N/A
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)	
200	0	→	0	673	110	N/A	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold TEST WITNESSED BY 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 Christy Sorzano Production Secretary DATE 4/23/98

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

Title 18 U.S.C. 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

CONFIDENTIAL

37. SUBMERGED ZONES: (Show all important zones of porosity and content of oil, gas, and coal; and all drill-stems, tests, including depth interval tested, cushion used, time tool open, and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DIP, DIRECTION, CORRECTIONS, ETC.
Glen Rose			

38.

GEOLOGIC MARKER

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	3154'	
Kirtland	3398'	
Fruitland	3614'	
Pictured Cliffs	3732'	
Lewis	3795'	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 1001-107-01
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other:		5. Lease Designation and Serial No. JIC460
2. Name of Operator Mallon Oil Company		6. If Indian, Alibite or Tribe Name Jicarilla Apache
3. Address and Telephone No. P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596		7. If Unit or CA, Agreement Designation N/A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1850' FNL and 690' FWL (SW NW) Unit E Sec. 16, T30N-R03W		8. Well Name and No. Jicarilla 460-16 No. 1
		9. Well API No. 30-039-25760
		10. Field and Pool, or Exploratory Area E. Blanco, Pictured Cliffs
		11. County or Parish, State Rio Arriba County, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other: Spud <input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on W-4 Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)

Mallon Oil Company spud the above referenced well on 2/22/98 at 2:30 pm. Drilled 12-1/4" hole, 8-5/8" x 24 lb/ft surface casing was set at 537.21 and cemented with 300 sxs Class "B" cement. Circulated 95 sxs of cement to pit.

14. I hereby certify that the foregoing is true and correct

Signed Christy Serrano Title Production Secretary Date 4/28/98
Christy Serrano

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved By [Signature] Title Lands and Mineral Resources Date MAY 7 1998

Conditions of approval, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK Drill <input checked="" type="checkbox"/> Deepen <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. JIC460	
b. TYPE OF WELL Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
2. NAME OF OPERATOR Mallon Oil Company		7. UNIT AGREEMENT NAME N/A	
3. ADDRESS AND TELEPHONE NO. P.O. Box 3256 Carlsbad, NM 88220 (505) 885-4596		8. FARM OR LEASE NAME, WELL NO. Jicarilla 460-16 No. 1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. *) At surface 1850' FNL and 690' FWL (SW NW) Unit E At proposed prod. zone 1850' FNL and 690' FWL (SW NW) Unit E		9. API WELL NO.	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE * 50 miles east of Bloomfield, New Mexico		10. FIELD AND POOL, OR WILDCAT E. Blanco, Pictured Cliffs	
15. DISTANCE FROM PROPOSED * LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 690'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 16, T30N-R03W	
16. NO. OF ACRES IN LEASE 1999.99		12. COUNTY OR PARISH Rio Arriba	
17. NO. OF ACRES ASSIGNED TO THIS WELL 160		13. STATE NM	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3550'		19. PROPOSED DEPTH 4500'	
20. ROTARY OR CABLE TOOLS Rotary		21. ELEVATIONS (SHOW WHETHER DF, RT, GR, Etc.) 7168'	
22. APPROX. DATE WORK WILL START October 20, 1997		23. PROPOSED CASING AND CEMENTING PROGRAM	
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
8-3/4"	7"	17# #20	500'
6-1/4"	4-1/2"	11.6#	4500'
			QUANTITY OF CEMENT Circ. to surface 365 sks

Mallon Oil Company proposes to drill to a depth sufficient to test the Pictured Cliffs formation. If productive, 5-1/2" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with Federal regulations. Specific programs as per on-shore Oil and Gas Order No. 1 are outlined in the following attachments:

Drilling Program

- Exhibit 1: Blow Out Preventor Equipment/Plan
- Exhibit A: Location and Elevation Plat
- Exhibit B: Roads and Pipelines
- Exhibit C: One Mile Radius Map
- Exhibit D: Drilling Site Layout
- Exhibit E: Production Facilities
- Exhibit F: H2S Contingency Plan
- Exhibit G: Environmental Assessment

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: Terry Lindeman TITLE: Production Superintendent DATE: 10/16/97

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:
APPROVED BY: [Signature] TITLE: Area Manager DATE: 12/8/97

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Jicarilla 460-16 SJ No. 4
SW/4 Section 16-30N-3W

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-039-26238-00-00		2 Pool Code 97037		3 Pool Name CABRISTO CANYON TERTIARY	
4 Property Code 23626		5 Property Name JICARILLA 460-16 SJ			6 Well Number 4
7 OGRID No. 13925		8 Operator Name MALLON OIL CO.			9 Elevation 7251'

10 Surface Location

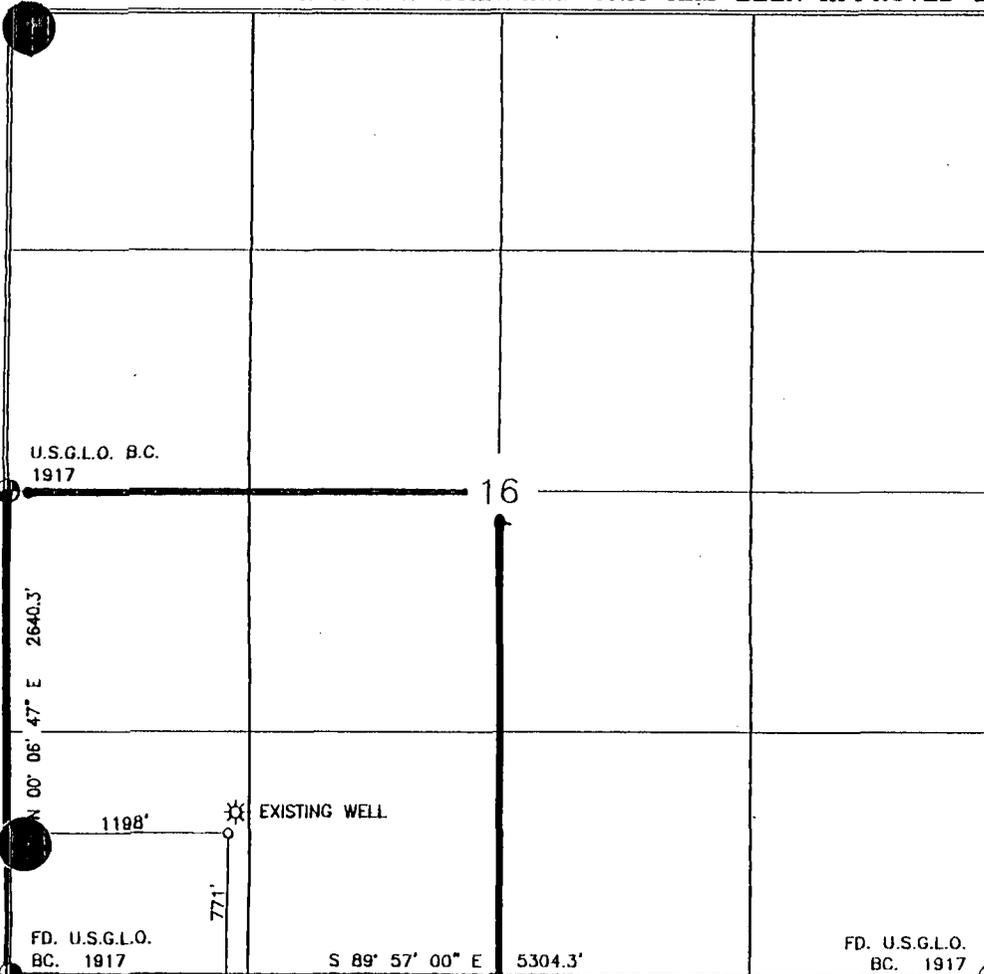
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	16	30-N	3-W		771	SOUTH	1198	WEST	RIO ARRIBA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 160	13 Joint or Infill	14 Consolidation Code	15 Order No.
---------------------------	--------------------	-----------------------	--------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



17 OPERATOR CERTIFICATION

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

Signature: *[Signature]*
ROBERT BLAYLOCK
Printed Name: DISTRICT MANAGER
Title: _____
Date: 12/6/01

18 SURVEYOR CERTIFICATION

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 belief.

Date of Survey: 7-8-01
Signature and Seal of Professional Surveyor: *[Signature]*
8894
Certificate Number: 8894

Professional Surveyor Seal: A. RUSH, NEW MEXICO, REGISTERED PROFESSIONAL SURVEYOR, 8894

CONFIDENTIAL

DO NOT WRITE IN DUPLICATE
(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137

Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NO.

Jic 460

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache Tribe

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME, WELL NO.

Jicarilla 460-16 SJ No. 4

9. API WELL NO.

10. FIELD AND POOL, OR WILDCAT

Cabresto Canyon; San Jose Ext.

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 16, T30N-R03W

1a. TYPE OF WELL OIL GAS
WELL WEL DRY OTHER

TYPE OF COMPLETION
NEW WORK DEEP- PLUG DIFF
WELL OVER EN BACK RESVR

2. NAME OF OPERATOR

Mallon Oil Company

3. ADDRESS AND TELEPHONE NO.

P. O. Box 2797 Durango, CO 81302 (970) 382-9100

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)

At surface 771' FSL and 1198' FWL (SW SW) Unit M

At top prod. interval reported below 771' FSL and 1198' FWL (SW SW) Unit M

At total depth 771' FSL and 1198' FWL (SW SW) Unit M

14. Permit No.
N/A

Date Issued
N/A

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

15. DATE SPUDDED
10/20/99

16. DATE TD REACHED
10/25/99

17. DATE COM (Ready to Prod.)
11/9/99

18. ELEVATION (DF, RKB, RT, GR, E)
7251'

19. ELEV. CASINGHEAD
7252

20. TOTAL DEPTH, MD & TVD
2100

21. PLUGBACK TD, MD & TVD
1846'

22. IF MULTIPLE COM HOW MANY*
N.A.

23. INTERVALS DRILLED BY
→

ROTARY TOOLS
Yes

CABLE TOOLS
N.A.

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*)
1682-1682, 1656-1662, 1618-1644 Cabresto Canyon; San Jose Ext.

25. WAS DIRECTIONAL SURVEY MADE
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
Existing (Jicarilla 460-16 No. 4)

27. WAS WELL CORED
N.A.

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24	233	12-1/4"	cmt 120 sxs Class 3 cmt	
4-1/2"	10.5	2074	6-3/4"	circ 3 sxs to surface cmt 300 sxs 50/50 poz circ 34 sxs to surface	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)
N.A.				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
1.9	1604'	N.A.

31. PERFORATION RECORD (Interval, size, and number)
1682'-1692', 1656'-1662' @ 4JSPF (64 holes)
1618'-1644' @ 2 JSPF (52 holes)
Cabresto Canyon; San Jose Ext.

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
(1618'-1644'
1662'-1692') acidize with 2500 gal 7-1/2% HCL
frac 20,000 lbs 12/20 sand

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)				WELL STAT (Producing or Shut In)	
11/9/99		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
11/3/99	24	3/8"	→	0	512	0	N.A.
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)	
150	0	→	0	512	0	N.A.	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold

TEST WITNESSED BY
Mike Davis

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 Christy Serrano (Christy Serrano) Production Secretary DATE 11-15-99

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

Title 18 U.S.C. 1001, makes it a crime for any person knowingly and willfully to make to any agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

CONFIDENTIAL
CONFIDENTIAL

ACCEPTED 11/15/99

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; core intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries).

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT DEPTH
				San Jose	1605'	

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other:

2. Name of Operator

Mallon Oil Company

3. Address and Telephone No.

P.O. Box 2797 Durango, CO 81302 (970)382-9100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

771' FSL 1198 FWL (SW SW) Unit M
Sec. 16, T30N-R03W

5. Lease Designation and Serial No.

Jic 460

6. If Indian, Allottee or Tribe Name

Jicarilla Apache Tribe

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Jicarilla 460-16 SJ No. 4

9. Well API No.

10. Field and Pool, or Exploratory Area

Cabresto Canyon; San Jose Ext.

11. County or Parish, State

Rio Arriba, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other: Spud Sundry
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)

Mallon Oil Company spud the above referenced well on 10-20-99. Drilled 12-1/4" hole, 8-5/8"x24 lb/ft surface casing was set at 233'. Cement with 120 sxs Class 3 cmt, 2% CaCl2, 1/4 lb sxs celloflake. Circ 12 sxs to pit.

14. I hereby certify that the foregoing is true and correct

Signed Christy Serrano

Title Production Clerk

Date 10-27-99

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved B _____

Title _____ Date _____

Conditions of approval, if any:

Title 18 U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as any matter within its jurisdiction.

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004 0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

5. Lease Designation and Serial No.

6. If Indian, Allote or Tribe Name
Jicarilla Apache Tribe

7. If Unit or CA, Agreement Designation
N/A

8. Well Name and No.
Jicarilla 460-16 SJ No. 4

9. Well API No.

10. Field and Pool, or Exploratory Area
Cabresto Canyon; San Jose Ext.

11. County or Parish, State
Rio Arriba, New Mexico

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other:

2. Name of Operator

Mallon Oil Company

3. Address and Telephone No.

P.O. Box 2797 Durango, CO 81302 (970)382-9100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

771' FSL 1198 FWL
Sec., 16-30N-R03W, Unit M

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other: TD change
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)*

Mallon Oil Company would like to request an amendement to the APD for the above referenced well. Mallon Oil Company would like to change the Total Depth to 2100'.

14. I hereby certify that the foregoing is true and correct

Signed Christy Serrano

Title Production Clerk

Date 10-27-99

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved By _____

Title _____ Date _____

Conditions of approval, if any:

18 U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

CONFIDENTIAL

Form 3160-3
(July 1992)

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires February 28, 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
 LEUCO/PROV. N.M. Deepen

b. TYPE OF WELL
 Oil Well Gas Well Other Single Zone Multiple Zone

2. NAME OF OPERATOR
 Mallon Oil Company 13925

3. ADDRESS AND TELEPHONE NO.
 P.O. Box 2797
 Durango, CO 81302 (970) 382-9100

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface 771' FSL and 1198' FWL (SW/SW) Unit M
 At proposed prod. zone 771' FSL and 1198' FWL (SW/SW) Unit M

5. LEASE DESIGNATION AND SERIAL NO.
 JIC 460

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 Jicarilla Apache

7. UNIT AGREEMENT NAME
 N/A 23626

8. FARM OR LEASE NAME, WELL NO.
 Jicarilla 460-16SJ No. 4

9. API WELL NO.
 30-039-26238

10. FIELD AND POOL, OR WILDCAT
 Cabresto Canyon, San Jose ext.

11. SEC., T., R., M., OR BLK.
 AND SURVEY OR AREA
 Sec. 16, T30N-R03W

12. COUNTY OR PARISH
 Rio Arriba

13. STATE
 NM

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 52 miles east of Bloomfield, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
 1198'

16. NO. OF ACRES IN LEASE
 1,920

17. NO. OF ACRES ASSIGNED TO THIS WELL
 161/160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 100'

19. PROPOSED DEPTH
 1800'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (SHOW WHETHER DF, RT, GR, Etc.)
 7251' GR

22. APPROX. DATE WORK WILL START
 09/01/99

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	250' 500'	Circulate to surface
7-7/8"	4-1/2"	14.7#	1800'	300 sks 50/50 Poz w/additive

Mallon Oil Co. proposes to drill this well to an approximate TD of 1800' in the San Jose formation. This well is placed on an existing well pad. Some additional pad extension may be required. The Jicarilla oil and Gas Administration has waived any necessity of re-onsiting the well pad as long as any required archaeological survey is submitted. Environmental assessment was previously submitted under the initial well APD. If productive, 4-1/2" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with Federal regulations. Specific programs as per on-shore Oil and Gas Order No. 1 are outlined in the following attachments:

- Drilling Program**
- Exhibit 1: Blow Out Preventor Equipment/Plan
 - Exhibit A: Location and Elevation Plat
 - Exhibit B: Roads and Pipelines
 - Exhibit C: One Mile Radius Map
 - Exhibit D: Drilling Site Layout
 - Exhibit E: Production Facilities
 - Exhibit F: H2S Contingency Plan
 - Exhibit G: Archaeology Report

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: Jerry Lindeman TITLE: Operations Superintendent DATE: 07/26/99

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE: 10/19/99

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY: Joan L. Benick TITLE: Acting Asst Field Mgr DATE: _____

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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NSL-4355 (2)

Jicarilla 460-16 No. 4
SW/4 Section 16-30N-3W

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

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

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-25785-00-00		² Pool Code 97037	³ Pool Name CABRISTO CANYON TERTIARY
⁴ Property Code 22183	⁵ Property Name JICARILLA 460-16		⁶ Well Number 4
⁷ GRID No. 13925	⁸ Operator Name MALLON OIL CO.		⁹ Elevation 7251'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	16	30-N	3-W		840	SOUTH	1180	WEST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶ U.S.G.L.O. B.C. 1917 2639.50' MEASURED N 00° 02' 016" W U.S.G.L.O. B.C. 1917 2640' RECORD N 016" W 1180' N 89° 58' 00" E (RECORD)	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i> Signature: <u>[Signature]</u> Printed Name: ROBERT BLAYLOCK Title: DISTRICT MANAGER Date: 12/6/01		
	¹⁸ SURVEYOR CERTIFICATION <i>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 belief.</i> Date of Survey: 12/6/01 Signature and Seal of Professional Surveyor: <u>[Signature]</u>  Certificate Number: 8894		

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SUBMIT IN DUPLICATE
(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

a. TYPE OF WELL OIL WELL GAS WEL DRY OTHER _____

b. TYPE OF COMPLETION
NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF RESVR

2. NAME OF OPERATOR
Mallon Oil Company

3. ADDRESS AND TELEPHONE NO.
P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
At surface **840' FSL AND 1180' FWL (SW SW) UNIT M**
At top prod. interval reported below **840' FSL AND 1180' FWL (SW SW) UNIT M**
At total depth **840' FSL AND 1180' FWL (SW SW) UNIT M**

14. PERMIT NO. **N/A** DATE ISSUED **N/A**

5. LEASE DESIGNATION AND SERIAL NO.
JIC460

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
JICARILLA APACHE

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME, WELL NO.
JICARILLA 460-16 NO. 4

9. API WELL NO.
30-039-25785

10. FIELD AND POOL, OR WILDCAT
CABRESTO CANYON, OJO ALAMO EXT

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
SEC. 16, T30N-R03W

12. COUNTY OR PARISH **RIO ARRIBA** 13. STATE **NM**

15. DATE SPUNDED **3/23/98** 16. DATE TD REACHED **3/31/98** 17. DATE COMP (Ready to Prod.) **4/12/98** 18. ELEVATION (DF, RKB, RT, GR, ET) **7251' GL** 19. ELEV. CASINGHEAD **7252'**

20. TOTAL DEPTH, MD & TVD **4070'** 21. PLUGBACK TD, MD & TVD **4006'** 22. IF MULTIPLE COMP., HOW MANY* **N/A** 23. INTERVALS DRILLED BY **→** ROTARY TOOLS **YES** CABLE TOOLS **N/A**

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*)
3247' - 3291' Cabresto Canyon, Ojo Alamo Ext. 25. WAS DIRECTIONAL SURVEY MADE **YES**

26. TYPE ELECTRIC AND OTHER LOGS RUN **SD/DSN, DILT** 27. WAS WELL CORED **N/A**

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24 LB	544'	12-1/4"	300 SXS OF CLASS "B" CEMENT	
4-1/2"	10.5 LB	4049'	7-7/8"	CIRC 84 SXS TO SURFACE	
				870 SXS CMT, CIRC 10 SXS TO SURFACE	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					2-3/8"	3121'	3122'

31. PERFORATION RECORD (Interval, size, and number)
3247' - 3291', 4JSPF, 176 HOLES
CABRESTO CANYON, OJO ALAMO EXT.

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
DEPTH INTERVAL (MD) **3247' - 3291'** AMOUNT AND KIND OF MATERIAL USED **300 GALS 7-1/2% ACID FRAC 45,000 LBS OF SAND**

33. PRODUCTION

DATE FIRST PRODUCTION _____ PRODUCTION METHO (Flowing, gas lift, pumping - size and type of pump) **FLOWING** WELL STAT (Producing or Shut In) **SI**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
4/10/98	24 HRS	3/8"	→	0	1618	53	N/A

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)
500	0	→	0	1618	53	N/A

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **SOLD** TEST WITNESSED BY **JOHNNY ANGEL**

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 Christy Serrano Title: Production Secretary DATE 4/30/98

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

CONFIDENTIAL

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT

FORM APPROVED
 Budget Bureau No. 1294-0135
 Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
 Use "APPLICATION FOR PERMIT -" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Designation and Serial No. JIC460
2. Name of Operator Mallon Oil Company		6. If Indian, Allotee or Tribe Name Jicarilla Apache
3. Address and Telephone No. P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596		7. If Unit or CA, Agreement Designation N/A
4. Location of Well (Footage, Sec., T, R, M, or Survey Description) 840' FSL and 1180' FWL (SW SW) Unit M Sec. 16, T30N-R03W		8. Well Name and No. Jicarilla 460-16 No. 4
		9. Well API No. 30-039-25785
		10. Field and Pool, or Exploratory Area E. Blanco, Pictured Cliffs
		11. County or Parish, State Rio Arriba County, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other: Spud
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work, if well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)*

Mallon Oil Company spud the above referenced well on 2/23/98 at 8:30 pm. Drilled 12-1/4" hole, 8-5/8" x 25 lb/ft surface casing was set at 544' and cemented with 300 sxs Class "B" cement. Circulated 84 sxs of cement to pit.

14. I hereby certify that the foregoing is true and correct

Signed Christy Serrano Title Production Secretary Date 4/27/98
 Christy Serrano

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved By [Signature] Title Lands and Mineral Resources Date MAY 7 1998

Conditions of approval, if any.

*Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DESIGNATION AND SERIAL NO.
Jicarilla 460

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME, WELL NO.
Jicarilla 460-16 No. 4 *22183*

9. API WELL NO.
30-C-39-25785

10. FIELD AND POOL, OR WILDCAT
E. Blanco, Pictured Cliffs *7260*

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
Sec. 16, T30N-R3W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE *
50 miles east of Bloomfield, New Mexico

15. DISTANCE FROM PROPOSED *
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
1180'

16. NO. OF ACRES IN LEASE
1999.99'

17. NO. OF ACRES ASSIGNED
TO THIS WELL
160

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.
2400'

19. PROPOSED DEPTH
4500'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (SHOW WHETHER DF, RT, GR, Etc.) *7251, 7421*

22. APPROX. DATE WORK WILL START
February 28, 1998

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	500'	Circ. to surface
7-8/8"	5-1/2"	15.5#	4500'	<i>570 sks Surface</i>

Mallon Oil Company proposes to drill to a depth sufficient to test the Pictured Cliffs formation. If productive, 5-1/2" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with Federal regulations. Specific programs as per on-shore Oil and Gas Order No. 1 are outlined in the following attachments:

Drilling Program

- Exhibit 1: Blow Out Preventor Equipment/Plan
- Exhibit A: Location and Elevation Plat
- Exhibit B: Roads and Pipelines
- Exhibit C: One Mile Radius Map

- Exhibit D: Drilling Site Layout
- Exhibit E: Production Facilities
- Exhibit F: H2S Contingency Plan
- Exhibit G: Environmental Assessment
- Exhibit H: Archaeological Clearance

RECEIVED

FEB 23 1998

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: Terry Lindeman TITLE: Production Superintendent DATE: 01/12/98

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Joe Incardine TITLE Lands and Mineral Resources DATE FEB 18 1998

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

TH

Jicarilla 459 SJ No. 8
NW/4 Section 17-30N-3W

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

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

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

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

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

AMENDED REPORT

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-26230-00-00		² Pool Code 97037		³ Pool Name CABRISTO CANYON TERTIARY	
⁴ Property Code 24591		⁵ Property Name JICARILLA 459 SJ			⁶ Well Number 8
⁷ GRID No. 13925		⁸ Operator Name MALLON OIL CO.			⁹ Elevation 7077'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	17	30-N	3-W		286	NORTH	1173	WEST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres: 160
¹³ Joint or Infill
¹⁴ Consolidation Code
¹⁵ Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

17 OPERATOR CERTIFICATION

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

Signature: *Robert Blaylock*

Printed Name: ROBERT BLAYLOCK

Title: DISTRICT MANAGER

Date: 12/06/01

18 SURVEYOR CERTIFICATION

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

Date of Survey: 7-9-01

Signature and Seal of Professional Surveyor: *[Signature]*

Certificate Number: 8894

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

SUBMIT IN DUPL. E*
(See other instr.
on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL
OIL WELL GAS WEL DRY OTHER _____

b. TYPE OF COMPLETION
NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF RESVR

2. NAME OF OPERATOR
Mallon Oil Company

3. ADDRESS AND TELEPHONE NO.
P. O. Box 2797 Durango, CO 81302 (970) 382-9100

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
At surface **286' FNL and 1173' FWL (NW NW) Unit D**
At top prod. interval reported below **286' FNL and 1173' FWL (NW NW) Unit D**
At total depth **286' FNL and 1173' FWL (NW NW) Unit D**

14. Permit No. **N/A** Date Issued **N/A**

12. COUNTY OR PARISH **Rio Arriba** 13. STATE **NM**

5. LEASE DESIGNATION AND SERIAL NO.
Jic 459

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache Tribe

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME, WELL NO.
Jicarilla 459 SJ No. 8

9. API WELL NO.
30-039-26230

10. FIELD AND POOL, OR WILDCAT
Cabresto Canyon; San Jose Ext.

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 17, T30N-R03W

15. DATE SPUDDED **12/2/99** 16. DATE TD REACHED **12/6/99** 17. DATE COM (Ready to Prod.) **12/23/99** 18. ELEVATION (DF, RKB, RT, GR, E) **7077** 19. ELEV. CASINGHEAD **7078'**

20. TOTAL DEPTH, MD & TVD **1800'** 21. PLUGBACK TD, MD & TVD **1740'** 22. IF MULTIPLE COMP. HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS **Yes** CABLE TOOLS **N.A.**

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*)
1473'-1492', 1500'-1516', 1578'-1591', 1606'-1622' Cabresto Canyon; San Jose Ext.

25. WAS DIRECTIONAL SURVEY MADE **Yes**

26. TYPE ELECTRIC AND OTHER LOGS RUN
Tripple Litho-Density Compensated Neutron; Array-Induction, Gamma Ray SP

27. WAS WELL CORED **No**

28. **CASING RECORD (Report all strings set in well)**

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24	225.57	12-1/4"	cmt 120 sxs Type 3 cmt circ 5 sxs to surface	
4-1/2"	11.6	1790	6-3/4"	cmt 275 sxs 50:50 poz circ 50 sxs to surface	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N.A.					1.9	1547	N.A.

31. PERFORATION RECORD (Interval, size, and number)
1473'-1492', 1500'-1516', 1578'-1591', 1606'-1622'
2 JSPF (128 holes)
Cabresto Canyon; San Jose Ext.

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1578'-1622'	acidize 1800 gal 7-1/2% HCL acid
1473'-1516'	acidize 2200 gal 7-1/2% HCL acid frac 206 bbls gel; 33,444 SCF N2 25,000 lbs 12/20 super HT sand 14,000 lbs 12/20 Brady Sand

33. PRODUCTION

DATE FIRST PRODUCTION **12/23/99** PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) **Flowing** WELL STAT (Producing or Shut In) **Producing**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
12/18/99	24	3/8"		0	323	12	N.A.

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)
90	0		0	323	12	N.A.

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Sold** TEST WITNESSED BY **J. Angel**

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
Christy Serrano (Christy Serrano) Production Secretary DATE **1-29-00**

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

Title 18 U.S.C. 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

CONFIDENTIAL

ACCEPTED
1-29-00

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):					GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT DEPTH
				San Jose	1455'		

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

99 DE

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other:		5. Lease Designation and Serial No.
2. Name of Operator Mallon Oil Company		6. If Indian, Allottee or Tribe Name Jicarilla Apache Tribe
3. Address and Telephone No. P.O. Box 2797 Durango, CO 81302 (970)382-9100		7. If Unit or CA, Agreement Designation N/A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 286 FNL 1173 FWL (NW NW) Unit D Sec. 17, T30N-R03W		8. Well Name and No. Jicarilla 459-SJ No. 8
		9. Well API No. 30-039-26230
		10. Field and Pool, or Exploratory Area Cabresto Canyon; San Jose Ext.
		11. County or Parish, State Rio Arriba, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other: Spud <input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water
<small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)*

Mallon Oil Company spud the above referenced well on December 2, 1999 at 5:00 pm.
Drilled 12-1/4" hole, 8-5/8" x 24 lb/ft surface casing was set at 225.57'. Cemented 120 sxs Type 3 cmt, circulated 5 sxs to surface.

14. I hereby certify that the foregoing is true and correct

Signed Christy Serrano Title Production Clerk Date 12-16-99

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved B [Signature] Title Per. & E. Date 05-02-00

Conditions of approval, if any:

*U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

CONFIDENTIAL

CONFIDENTIAL

Form 3160-3
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK: Drill Deepen

b. TYPE OF WELL: Oil Well Gas Well Other Single Zone Multiple Zone

2. NAME OF OPERATOR: Mallon Oil Company

3. ADDRESS AND TELEPHONE NO.: P.O. Box 2797, Durango, CO 81302 (970) 382-9100

4. LOCATION OF WELL: 286' FNL and 1173' FWL (NW/NW) Unit D

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 51 miles east of Bloomfield, New Mexico

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.: 286'

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: 100'

21. ELEVATIONS (SHOW WHETHER OF, RT, GR, Etc.): 7077' GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	160'	Circulate to surface
7-7/8"	4-1/2"	14.7#	1800'	300 sks 50/50 Poz w/additive

Mallon Oil Co. proposes to drill this well to an approximate TD of 1800' in the San Jose formation. This well is placed on an existing well pad. Some additional pad extension may be required. The Jicarilla oil and Gas Administration has waived any necessity of re-onsiting the well pad as long as any required archaeology survey is submitted. Environmental assessment was previously submitted under the initial well APD. If productive, 4-1/2" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with Federal regulations. Specific programs as per on-shore Oil and Gas Order No. 1 are outlined in the following attachments:

- Drilling Program**
- Exhibit 1: Blow Out Preventor Equipment/Plan
 - Exhibit A: Location and Elevation Plat
 - Exhibit B: Roads and Pipelines
 - Exhibit C: One Mile Radius Map
 - Exhibit D: Drilling Site Layout
 - Exhibit E: Production Facilities
 - Exhibit F: H2S Contingency Plan
 - Exhibit G: Archaeology Report

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED: Terry Lindeman TITLE: Operations Superintendent DATE: 07/26/99

PERMIT NO. APPROVAL DATE

CONDITIONS OF APPROVAL, IF ANY: Cement will be circulated to surface.

APPROVED BY: Joan R. Reznick TITLE: Asst Field Mgr DATE: SEP 24 1999

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONFIDENTIAL

NSL-4355 @

Jicarilla 459 No. 8
NW/4 Section 17-30N-3W

District I
 PO Box 1980, Hobbs, NM 88241-1980
 District II
 PO Drawer DD, Artesia, NM 88211-0719
 District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV
 PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
 Energy, Minerals & Natural Resources Department

Form C-102
 Revised February 10, 1994
 Instructions on back
 Submit to Appropriate District Office
 State Lease - 4 Copies
 Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
 PO Box 2088
 Santa Fe, NM 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-24305		Pool Code 96537	Pool Name Ojo Alamo
Property Code 20465	Property Name Jicarilla 459		Well Number 8
OGRID No. 013925	Operator Name Mallon Oil Company		Elevation 7074' GL

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	17	30N	03W		287	North	1072	West	Rio Arriba

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres 160	Joint or Infill N	Consolidation Code N/A	Order No. N/A
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>15</p>	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Theresa A. McAndrews</i> Signature Theresa A. McAndrews Printed Name Office Manager Title 08/27/97 Date</p>		
	<p>18 SURVEYOR CERTIFICATION</p> <p>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 belief.</p> <p>Date of Survey Signature and Seal of Professional Surveyor:</p>		
	<p>Certificate Number</p>		

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
AMENDED

SUBMIT IN DUPLICATE
(See other instructions
on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL OIL GAS
WELL WELL DRY OTHER _____

b. TYPE OF COMPLETION
NEW WORK DEEP- PLUG DIFF
WELL OVER EN BACK RESVR OTHER _____

5. LEASE DESIGNATION AND SERIAL NO.
JIC459

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME, WELL NO.
Jicarilla 459 No. 8

9. API WELL NO.
30-039-24305

10. FIELD AND POOL, OR WILDCAT
E. Blanco, Ojo Alamo

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 17, T30N-R3W

2. NAME OF OPERATOR
Mallon Oil Company

3. ADDRESS AND TELEPHONE NO.
P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
At surface **287' FNL and 1072' FWL (NE,NW) Unit C,D**
At top prod. interval reported below **287' FNL and 1072' FWL (NE,NW) Unit C,D**
At total depth **287' FNL and 1072' FWL (NE,NW) Unit C**

12. COUNTY OR PARISH
Rio Arriba

13. STATE
New Mexico

15. DATE SPUDDED 10/22/88	16. DATE TD REACHED 10/27/88	17. DATE COMP (Ready to Prod.) 08/19/97	18. ELEVATION (DF, RKB, RT, GR, ETC*) 7074' GL	19. ELEV. CASINGHEAD 7075'
20. TOTAL DEPTH, MD & TVD 4075'	21. PLUGBACK TD, MD & TVD 3300'	22. IF MULTIPLE COMP., HOW MANY* N/A	23. INTERVALS DRILLED BY →	ROTARY TOOLS Yes
				CABLE TOOLS No

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*)
3124'-3136', 3139'-3146', 3164'-3168', 3188'-3204', 3211'-322 Ojo Alamo

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
IEL, CNL, FDC, CR, CLL

27. WAS WELL CORED
No

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	132'	12-1/4"	150 sks Class B	N/A
4-1/2"	10.5#	4048' KB	7-7/8"	300 sks Class B	N/A

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)
N/A	N/A	N/A	N/A	N/A

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (M)
2-3/8"	3103'	3103'

31. PERFORATION RECORD (Interval, size, and number)

Interval	Size	Number of Holes
3124'-3136'	12'	12 holes
3139'-3146'	7'	7 holes
3164'-3168'	4'	4 holes
3188'-3204'	16'	16 holes
3211'-3222'	11'	11 holes

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3124'-3222'	Frac 13,900 lbs sand

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)	WELL STATUS (Producing or Shut In)
08/19/97	Flowing	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
08/16/97	24	3/4	→	0	900	0	N/A

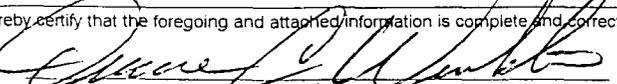
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)
60	0	→	0	900	0	N/A

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold

TEST WITNESSED BY
T. Lindeman

35. LIST OF ATTACHMENTS
N/A

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

SIGNED  TITLE **Operations Manager** DATE **09/24/97**

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

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN DUPLICATE*

(See other In-
structions on
reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____
 b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR
Robert L. Bayless

3. ADDRESS OF OPERATOR
P.O. Box 168, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At surface 287' FNL & 1072' FWL
 At top prod. interval reported below same
 At total depth same

14. PERMIT NO. _____ DATE ISSUED _____

15. DATE SPUDDED 10/22/88 16. DATE T.D. REACHED 10/27/88 17. DATE COMPL. (Ready to prod.) 1/20/89 18. ELEVATIONS (OF. RKB, RT, GR, ETC.)* 7074' GL 7086' RKB 19. ELEV. CASINGHEAD _____

20. TOTAL DEPTH, MD & TVD 4075' 21. PLUG, BACK T.D., MD & TVD 3949' 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY ROTARY TOOLS 0 - TD CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Pictured Cliffs 3670' - 3729'

26. TYPE ELECTRIC AND OTHER LOGS RUN
IEL - CNL - FDC - GR - CLL

27. WAS WELL CORED
No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24.0#/ft	132' KB	12 1/4"	150 sx (177 ft ³) Class B	w/3% CaCl ₂
4 1/2"	10.5#/ft	4048' KB	7 7/8"	300 sx (618 ft ³) Class B	w/2% Econolite,
				1/4# flocele/sx; 175 sx (221 ft ³) 50/50	& 1/4# flocele/
				pozmix w/2% gel, 10% salt	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
1 1/2"	3700'	none

31. PERFORATION RECORD (Interval, size and number)

Pic. Cliffs w 3-1/8" gun - 2 JSPF

3670-3682	- 25 holes
3684-3690	- 13 holes
3692-3700	- 17 holes
3702-3704	- 5 holes (.34" diameter)
3707-3709	- 5 holes
3718-3729	- 23 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3670-3729	500 gal. 7 1/2% DI HCL acid w/132 l.1 s.g. RCN ball sealers; 75,000 gal. 70 quality foam w/100,000# 20-40 sand

33.* PRODUCTION 973,400 SCF nitrogen

DATE FIRST PRODUCTION 1/27/89 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) flowing WELL STATUS (Producing or shut-in) producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1/27/89	3	3/4"	→	-0-	198	-0-	N/A

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
90	1085	→	-0-	1586	-0-	N/A

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) vented TEST WITNESSED BY David Ball

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 Kevin H. McCord TITLE Petroleum Engineer DATE 2/3/89

RECEIVED FEB 9 1989

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	3117	3343	water	Ojo Alamo	3117	same
Kirtland	3343	3622	water	Kirtland	3343	same
Fruitland Coal	3622	3663	water, natural gas	Fruitland Coal	3622	same
Pictured Cliffs	3663	4075	natural gas	Pictured Cliffs	3663	same

Jicarilla 459 SJ No. 1
SE/4 Section 18-30N-3W

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

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

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

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

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

AMENDED REPORT

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-26241-00-00		² Pool Code 97037		³ Pool Name CABRISTO CANYON TERTIARY	
⁴ Property Code 24940		⁵ Property Name JICARILLA 459 SJ			⁶ Well Number 1
⁷ OGRID No. 13925		⁸ Operator Name MALLON OIL COMPANY			⁹ Elevation 7085'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	18	30-N	3-W		1572	SOUTH	896	EAST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	FD. U.S.G.L.O. BC. 1917	17 OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i> Signature: <i>[Signature]</i> Printed Name: ROBERT BLAYLOCK Title: DISTRICT MANAGER Date: 12/6/01
	FD. U.S.G.L.O. BC. 1917	18 SURVEYOR CERTIFICATION <i>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 belief.</i> Date of Survey: 11-10-01 Signature and Seal of Professional Surveyor: <i>[Signature]</i> Certificate Number: 8894

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*
(See instructions
on reverse side)

FORM APPROVED
OMB NO. 1004-0137

Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL
OIL WELL GAS WELL DRY OTHER _____

b. TYPE OF COMPLETION
NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF RESVR

5. LEASE DESIGNATION AND SERIAL NO.
Jic 459

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME, WELL NO.
Jicarilla 459 SJ No. 1

9. API WELL NO.
30-039-26241

10. FIELD AND POOL, OR WILDCAT
Cabresto Canyon, San Jose

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 18-T30N-R03W

2. NAME OF OPERATOR
Mallon Oil Company

3. ADDRESS AND TELEPHONE NO.
P. O. Box 2797 Durango, CO 81302 (970) 382-9100

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
At surface 1572' FSL and 896' FEL (NE/SE), Unit I
At top prod. interval reported below 1572' FSL and 896' FEL (NE/SE), Unit I
At total depth 1572' FSL and 896' FEL (NE/SE), Unit I

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

14. Permit No.
N/A

Date issued
N/A

15. DATE SPUDDED
11/21/99

16. DATE TD REACHED
11/25/99

17. DATE COMP (Ready to Prod.)
12/22/99

18. ELEVATION (DF, RKB, RT, GR, ET)
7082'

19. ELEV. CASINGHEAD
7083'

20. TOTAL DEPTH, MD & TVD
1800'

21. PLUGBACK TD, MD & TVD
1760'

22. IF MULTIPLE COMPLETIONS, HOW MANY*
→

23. INTERVALS DRILLED BY
→

ROTARY TOOLS
Yes

CABLE TOOLS
Yes

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*)
1502'-1509', 1542'-1548', 1688'-1694', 1715'-1722' Cabresto Canyon, San Jose

25. WAS DIRECTIONAL SURVEY MADE
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
DSN-SDL, DILT-SGRD

27. WAS WELL CORED
No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	237'	12-1/4"	cmt 120 sx Type 3 cmt circ 20 sxs to surface	
4-1/2"	10-1/2#	1776'	6-3/4"	cmt 300 sx Type 3 cmt circ 45 sx to surface	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)
N.A.				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
1.9	1517'	

31. PERFORATION RECORD (Interval, size, and number)
1502'-1509', 1542'-1548', 1688'-1694', 1715'-1722'
2 JSPF (52 holes)
Cabresto Canyon, San Jose

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
DEPTH INTERVAL (MD)
1502'-1722'

AMOUNT AND KIND OF MATERIAL USED
2000 gals 7-1/2" HCL
frac 231,000 SCF N2
36,000# 12/20 Brady sand

33. PRODUCTION

DATE FIRST PRODUCTION
1/22/00

PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)
Flowing

WELL STAT (Producing or Shut In)
Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
12/30/99	24	3/8"	→	0	250	30	N/A

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)
65	0	→	0	250	30	N/A

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold

TEST WITNESSED BY
M. Davis

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 Linda D. Wilkins (Linda Wilkins) Engineering Technician DATE 3/3/2000

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

Accepted
for record

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, lime tool open, flowing and shut-in pressures, and recoveries):

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP
					TRUE VERT DEPTH
				L. San Jose	1491

UNITED STATES **CONFIDENTIAL**
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

SUBMIT IN TRIPLICATE

<p>1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other:</p>	<p>5. Lease Designation and Serial No.</p>
<p>2. Name of Operator Mallon Oil Company</p>	<p>6. If Indian, Allote or Tribe Name Jicarilla Apache Tribe</p>
<p>3. Address and Telephone No. P.O. Box 2797 Durango, CO 81302 (970)382-9100</p>	<p>7. If Unit or CA, Agreement Designation N/A</p>
<p>4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1572' FSL and 896' FEL (NE SE) Unit I Sec. 18, T30N-R03W</p>	<p>8. Well Name and No. Jicarilla 459 SJ No. 1</p> <p>9. Well API No. 30-039-26241</p> <p>10. Field and Pool, or Exploratory Area Cabresto Canyon; San Jose Ext.</p> <p>11. County or Parish, State Rio Arriba County, New Mexico</p>

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION
<p><input type="checkbox"/> Notice of Intent</p> <p><input checked="" type="checkbox"/> Subsequent Report</p> <p><input type="checkbox"/> Final Abandonment Notice</p>	<p><input type="checkbox"/> Abandonment</p> <p><input type="checkbox"/> Recompletion</p> <p><input type="checkbox"/> Plugging Back</p> <p><input type="checkbox"/> Casing Repair</p> <p><input type="checkbox"/> Altering Casing</p> <p><input checked="" type="checkbox"/> Other: Spud Sundry</p> <p><input type="checkbox"/> Change of Plans</p> <p><input type="checkbox"/> New Construction</p> <p><input type="checkbox"/> Non-Routine Fracturing</p> <p><input type="checkbox"/> Water Shut-Off</p> <p><input type="checkbox"/> Conversion to Injection</p> <p><input type="checkbox"/> Dispose Water</p>
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form)	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)*

Mallon Oil Company spud the above referenced well on November 21, 1999 at 1:00 pm. Drilled 12-1/4" hole, 8-5/8" x 24 lb/ft surface casing was set at 237'. Cemented 120 sxs Type 3 cmt, circulated 20 sxs to surface.

99 DEC -2 11:11 AM
 ALBUQUERQUE

14. I hereby certify that the foregoing is true and correct

Signed Christy Senano Title Production Clerk Date 12-1-99

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved B [Signature] Title Petro E-g Date 12/22/99

Conditions of approval, if any:

U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

CONFIDENTIAL

Form 31001 (July 1992)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE (Other Instructions on reverse side)

FORM APPROVED OMB NO. 1004-0138 Expires February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

9:39 AM JUL 27 1992 ALBUQUERQUE, N.M.

1a. TYPE OF WORK: Drill [X] Deepen [] TYPE OF WELL: Oil Well [] Gas Well [X] Other [] Single Zone [] Multiple Zone []

2. NAME OF OPERATOR: Mallon Oil Company

3. ADDRESS AND TELEPHONE NO.: P.O. Box 2797 Durango, CO 81302 (970) 382-9100

4. LOCATION OF WELL: At surface 1748' FSL and 992' FEL (NE/SE) Unit I 1572 896 At proposed prod. zone 1748' FSL and 992' FEL (NE/SE) Unit I

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 50 miles east of Bloomfield, New Mexico

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 3086' (Also to nearest drlg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 100'

21. ELEVATIONS (SHOW WHETHER DF, RT, GR, Etc.): 7082' GR

23. PROPOSED CASING AND CEMENTING PROGRAM

Table with 5 columns: SIZE OF HOLE, GRADE, SIZE OF CASING, WEIGHT PER FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Rows: 12-1/4" 8-5/8" 24# 500' Circulate to surface; 7-7/8" 4-1/2" 14.7# 1800' 300 sks 50/50 Poz w/additive

5. LEASE DESIGNATION AND SERIAL NO. JIC 459 6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache 7. UNIT AGREEMENT NAME N/A 8. FARM OR LEASE NAME, WELL NO. Jicarilla 459SJ No. 1 9. API WELL NO. 30-039-26241 10. FIELD AND POOL, OR WILDCAT Cabresto Canyon, San Jose ext. 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 18, T30N-R03W 12. COUNTY OR PARISH Rio Arriba 13. STATE NM

Mallon Oil Co. proposes to drill this well to an approximate TD of 1800' in the San Jose formation. This well is placed on an existing well pad. Some additional pad extension may be required. The Jicarilla oil and Gas Administration has waived any necessity of re-ensiling the well pad as long as any required archaeology survey is submitted. Environmental assessment was previously submitted under the initial well APD. If productive, 4-1/2" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with Federal regulations. Specific programs as per on-shore Oil and Gas Order No. 1 are outlined in the following attachments:

- Drilling Program Exhibit 1: Blow Out Preventor Equipment/Plan Exhibit D: Drilling Site Layout Exhibit A: Location and Elevation Plat Exhibit E: Production Facilities Exhibit B: Roads and Pipelines Exhibit F: H2S Contingency Plan Exhibit C: One Mile Radius Map Exhibit G: Archaeology Report

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: [Signature] Henry Lindeman TITLE: Operations Superintendent DATE: 07/26/99

(This space for Federal or State office use) PERMIT NO. APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. CONDITIONS OF APPROVAL, IF ANY: APPROVED BY [Signature] TITLE: Asst Field Mgr DATE: 7/1/99

*See Instructions On Reverse Side

18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONFIDENTIAL

Jicarilla 459 No. 1
SE/4 Section 18-30N-3W

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

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

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

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

OIL CONSERVATION DIVISION

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

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-24087-00-00		*Pool Code 97037	*Pool Name CABRISTO CANYON TERTIARY
*Property Code 20465	*Property Name JICARILLA 459		*Well Number 1
*GRID No. 13925	*Operator Name MALLON OIL COMPANY		*Elevation 7085'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	18	30-N	3-W		1665	SOUTH	940	EAST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p>FD. U.S.G.L.O. BC. 1917</p>	<p>17 OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i></p> <p>Signature: </p> <p>Printed Name: ROBERT BLAYLOCK</p> <p>Title: DISTRICT MANAGER</p> <p>Date: 12/6/01</p>
	<p>FD. U.S.G.L.O. BC. 1917</p>	<p>18 SURVEYOR CERTIFICATION</p> <p><i>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</i></p> <p>Date of Survey: 5/2/01</p> <p>Signature and Seal of Registered Professional Surveyor: </p> <p>Certificate Number: 8894</p> <p>FD. U.S.G.L.O. BC. 1917</p>

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL OIL WELL GAS WELL DRY OTHER _____

b. TYPE OF COMPLETION NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF RESVR OTHER _____

2. NAME OF OPERATOR
Mallon Oil Company

3. ADDRESS AND TELEPHONE NO.
P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
At surface 1665' FSL and 940' FEL (NE/SE) Unit I

At top prod. interval reported below
At total depth 1665' FSL and 940' FEL (NE/SE) Unit I

14. PERMIT NO. N/A DATE ISSUED N/A

15. DATE SPUNDED N/A 16. DATE TD REACHED N/A 17. DATE COMP (Ready to Prod.) 11/21/97

20. TOTAL DEPTH, MD & TVD N/A 21. PLUGBACK TD, MD & TVD 3590'

22. IF MULTIPLE COMP., HOW MANY* N/A 23. INTERVALS DRILLED BY

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*)
3136'-3194' Ojo Alamo

25. WAS DIRECTIONAL SURVEY MADE N/A

26. TYPE ELECTRIC AND OTHER LOGS RUN N/A

27. WAS WELL CORED N/A

28. CASING RECORD (Report all strings set in well)

29. LINER RECORD

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size, and number)
3136'-3194' 4 JSPF

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
3136'-3194' Acidize 1000 gls Frac 52,800 lbs. sand

33.* PRODUCTION

DATE FIRST PRODUCTION 11/21/97 PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing WELL STATUS (Producing or Shut In) Producing

DATE OF TEST 11/08/97 HOURS TESTED 24 CHOKE SIZE 3/8" PROD'N FOR TEST PERIOD

FLOW TBG PRESS 400 CASING PRESSURE 0 CALCULATED 24-HOUR RATE 0 OIL - BBL 0 GAS - MCF 1300 WATER - BBL 112 GAS-OIL RATIO 0

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold TEST WITNESSED BY Johnny Angel

35. LIST OF ATTACHMENTS N/A

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED H. [Signature] TITLE Production Analyst DATE 12-15-97

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 170A-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals.

5. Lease Designation and Serial No
JIC459

6. If Indian, Akode or Tribe Name

Jicarilla Apache

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.
Jicarilla 459 No. 1

9. Well API No.
30-039-24087

10. Field and Pool, or Exploratory Area
E. Blanco, Ojo Alamo

11. County or Parish, State

Rio Arriba County, New Mexico

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other:

2. Name of Operator

Mallon Oil Company

3. Address and Telephone No.

P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1665' FSL and 940' FEL (NE SE) Unit I
Sec. 18, T30N-R3W

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other:
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)

November 6, 1997, set CIBP at 3590' Isolating Pictured
Cliff perms 3680'-3733'.

Perforate Ojo Alamo 3136'-3194' 4 JSPF, stimulate
1000 gls acid, Frac 52,800 lbs. sand, run 2-3/8" tbg and
pkr, set pkr at 3034'. Initiate production through 2-3/8"
tbg.

14. I hereby certify that the foregoing is true and correct

Signed

M. Say Davis
M. Say Davis

Title

Production Analyst

Date

12-15-97

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved By

Dale R. Ste...

Title

Lands and Mineral Resources

Date

MAY 1 1998

Conditions of approval, if any:

Title 18 U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESRV. Other _____

2. NAME OF OPERATOR
Robert L. Bayless

3. ADDRESS OF OPERATOR
P.O. Box 168, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1665' FSL & 940' FEL
At top prod. interval reported below same
At total depth same

RECEIVED

FEB 04 1987

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

5. LEASE DESIGNATION AND SERIAL NO.

Jic. Cont. 459

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jic. Apache Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

459

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC. T. R. M., OR BLOCK AND SURVEY OR AREA

Sec. 18, 730N, R3W

12. COUNTY OR PARISH

Rio Arriba NM

13. STATE

15. DATE SPUDDED 11/10/86 16. DATE T.D. REACHED 11/18/86 17. DATE COMPL. (Ready to prod.) 12/06/86 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 7098' RKB 7085' GL 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 4060' RKB 21. PLUG, BACK T.D., MD & TVD 4000 RKB 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 0 - TD

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE

PC: 3680 - 3733

No

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED

IEL - GR - CDL - CNL

No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7 5/8"	26.4#	140' RKB	9 7/8"	50sx(59ft ³) Class "B" w/3%	CaCl ₂
4 1/2"	11.6#	4049' RKB	6 3/4"	180sx(227ft ³) 50/50 pozmix	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/2"	3704' RKB	None

31. PERFORATION RECORD (Interval, size and number)		32. ACID. SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	SIZE	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3680 - 3693		3680 - 3733	750 gal. 7 1/2% DI HCL weighted acid;
3696 - 3698	Total 69 holes		120 RCN ball sealers; 80,000 gal.
3704 - 3706	2 JSPF		70 quality foam w/90,000#
3710 - 3714	.34"		20/40 sand.
3722 - 3733			

33.* PRODUCTION		
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
waiting on hookup	flowing	SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
01/03/87	3	3/4	→	-0-	310	-0-	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

vented

David Ball

LIST OF ATTACHMENTS

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

SIGNED Kim H. McQuil TITLE Engineer

DATE 02/02/87

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

ACCEPTED FOR RECORD
FEB 09 1987
FARMINGTON RESOURCE AREA
P. G. B. DATE

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
OJO ALAMO	3126	3353	water	OJO ALAMO	3126	
KIRTLAND	3353	3474	water	KIRTLAND	3353	
FRUITLAND	3474	3677	water and natural gas	FRUITLAND	3474	
P.C.	3677	4060	natural gas	P.C.	3677	

Jicarilla 459 SJ No. 2
NW/4 Section 20-30N-3W

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico
Geology, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

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

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

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

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-26232		*Pool Code 96822	*Pool Name Cabresto Canyon; San Jose ext.
*Property Code 24940	*Property Name JICARILLA 459SJ		*Well Number 2
*OCRID No. 013925	*Operator Name MALLON OIL COMPANY		*Elevation 7162'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	20	30-N	3-W		1648	NORTH	700	WEST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

*Dedicated Acres	*Joint or Infill	*Consolidation Code	*Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

FD. U.S.G.L.O.
BRASS CAP 1917 N 89-57-17 E 2628.8'

<p>18</p> <p>FD. U.S.G.L.O. BRASS CAP 1917</p>	<p>FD. MOUND OF STONES WITH B.T.</p>	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Terry Lindeman</i> Signature Terry Lindeman Printed Name Operations Superintendent Title July 26, 1999 Date</p>
		<p>18 SURVEYOR CERTIFICATION</p> <p>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 belief.</p> <p>7 Date of Survey Signature and Seal of Professional Surveyor</p> <p>8894 Certificate Number</p>

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

a. TYPE OF WELL
 OIL GAS
 WELL WEL DRY OTHER _____

b. TYPE OF COMPLETION
 NEW WELL WORK OVER
 DEEP-EN PLUG BACK DIFF RESVR

5. LEASE DESIGNATION AND SERIAL NO.
Jic 459

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache Tribe

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME, WELL NO.
Jicarilla 459 SJ No. 2

9. API WELL NO.
30-039-26232

10. FIELD AND POOL, OR WILDCAT
Cabresto Canyon; San Jose Ext.

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 20, T30N-R03W

2. NAME OF OPERATOR
Mallon Oil Company

3. ADDRESS AND TELEPHONE NO.
P. O. Box 2797 Durango, CO 81302 (970) 382-9100

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
 At surface **1648' FNL and 700' FWL (SW NW) Unit E**
 At top prod. interval reported below **1648' FNL and 700' FWL (SW NW) Unit E**
 At total depth **1648' FNL and 700' FWL (SW NW) Unit E**

14. Permit No. **N/A** Date Issued **N/A**

12. COUNTY OR PARISH **Rio Arriba** 13. STATE **NM**

15. DATE SPUNDED **11/13/99** 16. DATE TD REACHED **11/17/1999** 17. DATE COM (Ready to Prod.) **12/14/99** 18. ELEVATION (DF, RKB, RT, GR, E) **7162** 19. ELEV. CASINGHEAD **7163**

20. TOTAL DEPTH, MD & TVD **2100'** 21. PLUGBACK TD, MD & TVD **2018'** 22. IF MULTIPLE COMPS, HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS **Yes** CABLE TOOLS **N/A**

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
1549'-1565', 1581'-1592' Cabresto Canyon; San Jose Ext.

25. WAS DIRECTIONAL SURVEY MADE **Yes**

26. TYPE ELECTRIC AND OTHER LOGS RUN
DIL, SDL/DSN

27. WAS WELL CORED **N/A**

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24	239	12-1/4"	cmt 120 sxs Type 3 cmt	
				circ 32 sxs to surface	
4-1/2"	11.6	2091'	6-3/4"	cmt 286 sxs Type 3 50:50 poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	30. TUBING RECORD
					SIZE: 1.9 DEPTH SET (MD): 1552.44 PACKER SET (MD): N.A.

31. PERFORATION RECORD (Interval, size, and number)
1549'-1565', 1581'-1592'
2 JSPF (54 holes)

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
 DEPTH INTERVAL (MD): **1549'-1565'**
 AMOUNT AND KIND OF MATERIAL USED:
 acidize 2000 gal 7-1/2% acid
 frac 32,000 gals 75% N2
 17,000 lbs 12/20 Brady Sand
 25,000 lbs 12/20 Sand

33. PRODUCTION

DATE FIRST PRODUCTION **12/15/99** PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) **Flowing** WELL STAT (Producing or Shut In) **Producing**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
12/9/99	24	3/8"		0	480	6	N.A.

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)
140	0		0	480	6	N.A.

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Sold** TEST WITNESSED BY **J. Angel**

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
 Christy Serrano (Christy Serrano) Production Secretary DATE **12-21-99**

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

Title 18 U.S.C. 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

CONFIDENTIAL

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME		TOP	
						MEAS. DEPTH	TRUE VERT DEPTH
				San Jose		1535'	
				Nacimiento			
				Ojo Alamo			
				Kirtland			
				Pictured Cliffs			
				Lewis			

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Form 3160-5
(JAN 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other:

2. Name of Operator
 Mallon Oil Company

3. Address and Telephone No.
 P.O. Box 2797 Durango, CO 81302 (970)382-9100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 1648' FNL and 700' FWL (SW NW) Unit E
 Sec. 20, T30N-R03W

5. Lease Designation and Serial No.

6. If Indian, Allotee or Tribe Name
 Jicarilla Apache Tribe

7. If Unit or CA, Agreement Designation
 N/A

8. Well Name and No.
 Jicarilla 459 SJ No. 2

9. Well API No.
 30-039-26232

10. Field and Pool, or Exploratory Area
 Cabresto Canyon; San Jose Ext.

11. County or Parish, State
 Rio Arriba, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other: Spud Sundry
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)

Mallon Oil Company spud the above referenced well on 11-13-99 at 4:00 pm. Drilled 12-1/4" hole, 8-5/8" x 24 lb/ft surface casing was set at 239'. Cemented 120 sxs Type 3 cmt, circulated 32 sxs to surface.

59 NOV 22 11:19 AM
ALBUQUERQUE, NM

14. I hereby certify that the foregoing is true and correct

Signed Christy Senano Title Production Clerk Date 11-19-99

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved B [Signature] Title Lands and Mineral Resources Date FEB 10 2000

Conditions of approval, if any:

3 U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

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Form 3160-3
July 1992

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1. TYPE OF WORK
a. TYPE OF WELL
Oil Well Gas Well Other Drill Deepen
Single Zone Multiple Zone

2. NAME OF OPERATOR
Mallon Oil Company

3. ADDRESS AND TELEPHONE NO.
P.O. Box 2797
Durango, CO 81302 (970) 382-9100

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 1648' FNL and 700' FWL (SW/NW) Unit E
At proposed prod. zone 1648' FNL and 700' FWL (SW/NW) Unit E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
50 miles east of Bloomfield, New Mexico

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
3500'
(Also to nearest drlg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
100'

21. ELEVATIONS (SHOW WHETHER DF, RT, GR, Etc.) 7162' GR
22. APPROX. DATE WORK WILL START 09/01/99

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	160 500'	Circulate to surface
7-7/8"	4-1/2"	14.7#	1800'	300 sks 50/50 Poz w/additive:

Mallon Oil Co. proposes to drill this well to an approximate TD of 1800' in the San Jose formation. This well is placed on an existing well pad. Some additional pad extension may be required. The Jicarilla oil and Gas Administration has waived any necessity of re-siting the well pad as long as any required archaeology survey is submitted. Environmental assessment was previously submitted under the initial well APD. If productive, 4-1/2" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with Federal regulations. Specific programs as per on-shore Oil and Gas Order No. 1 are outlined in the following attachments:

- Drilling Program**
- Exhibit 1: Blow Out Preventor Equipment/Plan
 - Exhibit A: Location and Elevation Plat
 - Exhibit B: Roads and Pipelines
 - Exhibit C: One Mile Radius Map
 - Exhibit D: Drilling Site Layout
 - Exhibit E: Production Facilities
 - Exhibit F: H2S Contingency Plan
 - Exhibit G: Archaeology Report

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: Terry Lindeman TITLE: Operations Superintendent DATE: 07/26/99

(This space for Federal or State office use)
PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY: Cement will be circulated to surface
APPROVED BY: Joan L. Resnick TITLE: Cost Field Mgr. DATE: SEP 24 1999

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NSL-4355 @

CONFIDENTIAL

Jicarilla 459 No. 2
NW/4 Section 20-30N-3W

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

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

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

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-24157-00-00		² Pool Code 97037		³ Pool Name CABRISTO CANYON TERTIARY	
⁴ Property Code 20465		⁵ Property Name JICARILLA 459			⁶ Well Number 2
⁷ OGRID No. 13925		⁸ Operator Name MALLON OIL CO.			⁹ Elevation 7164'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	20	30-N	3-W		1648	NORTH	800'	WEST	RIO ARRIBA

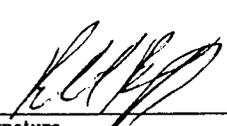
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16

U.S.G.L.O. BRASS CAP 1917 2639.4' 1648' 800' N. 00-05-21 E 20	N 89-57-17 E 2628.7'		FD. MOUNDS OF STONES w/ B.T.	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Signature ROBERT BLAYLOCK Printed Name DISTRICT MANAGER Title Date 12/6/91
	U.S.G.L.O. BRASS CAP 1917			
U.S.G.L.O. BRASS CAP 1917				

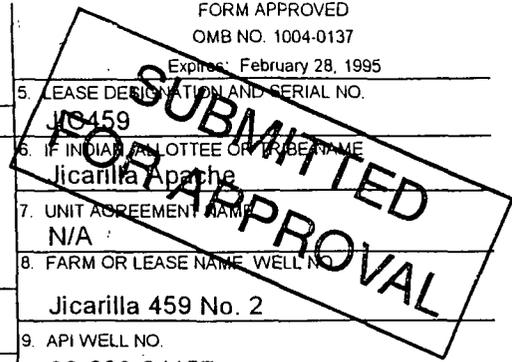
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*
(See other instructions
on reverse side)

FORM APPROVED
OMB NO. 1004-0137

Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *



WELL TYPE: OIL WELL GAS WELL DRY OTHER _____

TYPE OF COMPLETION:
NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF RESVR OTHER Recompletion

5. LEASE DESIGNATION AND SERIAL NO. JS 459

6. IF INDIAN ALLOTTEE OR TRIBENAME Jicarilla Apache

7. UNIT AGREEMENT NAME N/A

8. FARM OR LEASE NAME WELL NO. Jicarilla 459 No. 2

9. API WELL NO. 30-039-24157

10. FIELD AND POOL, OR WILDCAT Cabresto Canyon, Ojo Alamo Ext.

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 20, T30N-R03W

2. NAME OF OPERATOR Mallon Oil Company

3. ADDRESS AND TELEPHONE NO. P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)

At surface 1648' FWL and 800' FWL, (SW NW) Unit E

At top prod. interval reported below 1648' FWL and 800' FWL, (SW NW) Unit E

At total depth

12. COUNTY OR PARISH Rio Arriba

13. STATE NM

15. DATE SPUNDED <u>11/3/87</u>	16. DATE TD REACHED <u>11/10/87</u>	17. DATE COMP (Ready to Prod.) <u>1/28/98</u>	18. ELEVATION (DF, RKB, RT, GR, ET) <u>47162' GL</u>	19. ELEV. CASINGHEAD <u>7163'</u>
20. TOTAL DEPTH, MD & TVD <u>4150'</u>	21. PLUGBACK TD, MD & TVD <u>3650'</u>	22. IF MULTIPLE COMP. HOW MANY* <u>N/A</u>	23. INTERVALS DRILLED BY <u>→</u>	ROTARY TOOLS <u>Yes</u>

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*)
3228'-3252' Cabresto Canyon, Ojo Alamo Ext.

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED
No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
<u>5 1/2" casing</u>					

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT * SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
<u>N/A</u>				<u>1.9</u>	<u>3095'</u>	<u>3096'</u>

31. PERFORATION RECORD (Interval, size, and number)
3228' - 3252'

CIBP 3085' Cabresto Canyon, Ojo Alamo Ext.

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<u>3228'-3252'</u>	<u>1500 gal. 7-1/2 acid frac 31, 400 lbs. Sand</u>

33. PRODUCTION

DATE FIRST PRODUCTION <u>01/27/98</u>	PRODUCTION METHO (Flowing, gas lift, pumping - size and type of pump) <u>Flowing</u>	WELL STAT (Producing or Shut In) <u>producing</u>					
DATE OF TEST <u>1/25/98</u>	HOURS TESTED <u>24</u>	CHOKE SIZE <u>3/8"</u>	PROD'N FOR TEST PERIOD <u>→</u>	OIL - BBL <u>1319</u>	GAS - MCF <u>20</u>	WATER - BBL <u>20</u>	GAS-OIL RATIO <u>N/A</u>
FLOW TBG PRESS <u>405</u>	CASING PRESSURE <u>0</u>	CALCULATED 24-HOUR RATE <u>→</u>	OIL - BBL <u>1319</u>	GAS - MCF <u>20</u>	WATER - BBL <u>20</u>	OIL GRAVITY - API (CORR.) <u>NA</u>	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold

TEST WITNESSED BY
Kisor

35. LIST OF ATTACHMENTS

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

SIGNED Christy Serrano Production Secretary DATE 6/22/99

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

Title 18 U.S.C. 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other:	5. Lease Designation and Serial No. JIC459
2. Name of Operator Mallon Oil Company	6. If Indian, Allotee or Tribe Name Jicarilla Apache
3. Address and Telephone No. P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596	7. If Unit or CA, Agreement Designation N/A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1650' FNL and 790' FWL (SW NW) Unit E Sec. 20, T30N-R3W	8. Well Name and No. Jicarilla 459 No. 2
	9. Well API No. 30-039-24157
	10. Field and Pool, or Exploratory Area E. Blanco, Pictured Cliffs
	11. County or Parish, State Rio Arriba County, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)*

Mallon Oil Company proposes to recomplete the above referenced well by setting a cast iron bridge pug above the Pictured Cliffs and perforating the Ojo Alamo formation. Exact perforation to be submitted on completion report.

14. I hereby certify that the foregoing is true and correct

Signed Terry Lindeman Title Exploration/Production Superintendent Date 02/04/98

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved By [Signature] Title Lands and Mineral Resources Date FEB 23 1998

Conditions of approval, if any:
CIBP must be placed between 3643 to 3693 feet.

Title 18 U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED MAR 20 1989

Form J160-4
(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP EN FILL BACK DIFF RENOV OTHER

2. NAME OF OPERATOR
Robert L. Bayless

3. ADDRESS OF OPERATOR
P.O. Box 168, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1650' FNL & 790' FWL
At top prod. interval reported below same
At total depth same

14. PERMIT NO. DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO.

Jicarilla Cont. #459

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla 159

9. WELL NO.

#2

10. FIELD AND POOL OR WILDCAT

Wildcat

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 20, T30N, R3W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

15. DATE SPUDDED 11/3/87 16. DATE T.D. REACHED 11/10/87 17. DATE COMPL. (Ready to prod.) 11/30/87 18. ELEVATIONS (DP, RKB, RT, GR, ETC.)* 7162' GL; 7174' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 4150' KB 21. PLUG BACK T.D., MD & TVD 4098' KB 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Pictured Cliffs 3743' - 3796'

25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Induction, Density, Neutron, GR-CLL 27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7-5/8"	26.4#/ft.	145' KB	9-7/8"	60 sx, 71 ft. ³ Class B w/3% CaCl ₂	
4-1/2"	11.6#/ft.	4144' KB	6-3/4"	300 sx, 618 ft. ³ Class B w/2% D-79, 1/4# celoflake/sx; 150 sx, 50/50 pozmix w/2% gel, 10% salt, 1/4# floccule/sx	189 ft. ³

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1-1/2"	3767' KB	None

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
Interval	Number	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Pic. Cliffs w/3-1/8" gun - 2 JSPF:		3743-3796	750 gal. 7 1/2% weighted HCL acid w/111 1.1 s.g. RCN ball sealers; 62,500 gal. 70 quality foam w/85,000# 20-40 mesh sand;
3743-3748	11 holes		
3750-3754	9 holes		
3764-3772	17 holes (.34" diameter)		
3778-3796	37 holes		

33. PRODUCTION 783,100 SCF nitrogen
DATE FIRST PRODUCTION None PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Shut-in WELL STATUS (Producing or shut-in) Shut-in

DATE OF TEST	HOURS TESTED	CHOKES SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12/4/87	3	3/4"		0	438	0	N/A

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
211	588		0	3505	0	N/A

34. DISPOSITION OF GAS (Solid, used for fuel, vented, etc.) Vented TEST WITNESSED BY David Ball

35. LIST OF ATTACHMENTS ACCEPTED FOR RECORD DEC 10 1987

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Kevin H. McCord TITLE Petroleum Engineer DATE 12/9/87

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Ojo Alamo	3204	3432	water
Fruitland	3432	3742	water
Pictured Cliffs	3742	4150	natural gas

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	3204	3204
Fruitland	3432	3432
Pictured Cliffs	3742	3742

Jicarilla 459-20 SJ No. 12
SE/4 Section 20-30N-3W

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

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

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

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

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-25941-00-00		² Pool Code 97037		³ Pool Name CABRISTO CANYON TERTIARY	
⁴ Property Code 22862		⁵ Property Name JICARILLA 459-20 SJ			⁶ Well Number 12A
⁷ GRID No. 13925		⁸ Operator Name MALLON OIL CO.			⁹ Elevation 7250'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	20	30-N	3-W		849	SOUTH	1888	EAST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

17 OPERATOR CERTIFICATION

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

Signature: *Robert Blaylock*

Printed Name: ROBERT BLAYLOCK

Title: DISTRICT MANAGER

Date: 12/6/01

18 SURVEYOR CERTIFICATION

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 belief.

Date of Survey: 8894

Signature and Seal of Professional Surveyor: *[Signature]*

8894

Certificate Number: 8894

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN DATE
(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires February 28, 1995

CONFIDENTIAL

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO. **Jic 459**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache Tribe

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME, WELL NO.
Jicarilla 459-20 SJ No. 12

9. API WELL NO.

10. FIELD AND POOL, OR WILDCAT
Cabresto Canyon; San Jose Ext

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec 20, T30N-R03W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

14. PERMIT NO. **N/A** DATE ISSUED **N/A**

15. DATE SPUDDED **8/29/98** 16. DATE TD REACHED **9/4/98** 17. DATE COMP (Ready to Prod.) **10/03/98** 18. ELEVATION (DF, RKB, RT, GR, ET) **7250'** 19. ELEV. CASINGHEAD **7251'**

20. TOTAL DEPTH, MD & TVD **1950'** 21. PLUGBACK TD, MD & TVD **1860'** 22. IF MULTIPLE COMPS, HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS **Yes** CABLE TOOLS **"No"**

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*)
1059'-1072', 1076'-1090', 1266'-1274', 1455'-1468', 1637'-1649', 1661'-1669', 1682'-1705', 1786'-1790' Cabresto Canyon; San Jose Ext.

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
DIGL, SDL-DSN

27. WAS WELL CORED
No

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24 lb	551'	12-1/4"	Cmt 300 sxs, circ 93 sxs to surface	
5-1/2"	15.5 lb	1944'	7-7/8"	Cmt 360 sxs, citc 93 sxs to surface	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					2-3/8"	1111'	None

31. PERFORATION RECORD (Interval, size, and number)

**1059'-1790' 4 JSPF (380 Holes)
Cabresto Canyon; San Jose Ext.**

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1059'-1790'	Acidize 5026 bbls 7-1/2% HCL Frac 70,000 lbs 12-20 sand

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)	WELL STAT (Producing or Shut In)					
10/28/98	Flowing	Producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
10/8/98	24	3/8"		0	595	10	N/A
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)	
175	0		0	595	10	N/A	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Sold**

TEST WITNESSED BY **Raymond Key**

LIST OF ATTACHMENTS

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

SIGNED Christy Serrano (Christy Serrano), Production Secretary DATE 1/13/99

ACCEPTED FOR RECORD

CONFIDENTIAL

17. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and content of gas, oil, cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

18. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
San Jose	1633 TD	

CONFIDENTIAL

Form 3160-6
(JUNE 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir:
Use "APPLICATION FOR PERMIT -" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other:

2. Name of Operator

Mallon Oil Company

3. Address and Telephone No.

P.O. Box 2797, Durango, CO 81302 (970) 382-9100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

849' FSL and 1888' FEL (SW SE) Unit D
Sec 20, T30N-R03W

5. Lease Designation and Serial No.

Jic

6. If Indian, Allote or Tribe Name

Jicarilla Apache Tribe

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Jicarilla 459-20 SJ No. 12

9. Well API No.

30-039-25941

10. Field and Pool, or Exploratory Area

Cabresto Canyon, San Jose Ext.

11. County or Parish, State

Rio Arriba County, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other: Spud Notice
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)

Mallon Oil Company spud the above referenced well on 8/29/98 at 2:30pm.
Drilled 12-1/4" hole, 8-5/8" x 24 lb/ft surface casing was set at 551'.
Cmt with 300 sxs, circ 93 sxs to pit.

14. I hereby certify that the foregoing is true and correct

Signed Christy Serrano
Christy Serrano

Title Production Secretary

Date 1/13/99

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved B Patricia M. Hester

Lands and Mineral Resources

Title

Date 1-26-99

Conditions of approval, if any:

Title 18 U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK Drill <input checked="" type="checkbox"/> Deepen <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Jic 459	
b. TYPE OF WELL Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
2. NAME OF OPERATOR Mallon Oil Company		7. UNIT AGREEMENT NAME N/A	
3. ADDRESS AND TELEPHONE NO. P.O. Box 3256 Carlsbad, NM 88220 (505) 885-4596		8. FARM OR LEASE NAME, WELL NO. Jicarilla 459-20 No. 12A	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 849' FSL, 1888 FEL (SW SE) Unit O		9. API WELL NO.	
At proposed prod. zone 849' FSL, 1888 FEL (SW SE) Unit O		10. FIELD AND POOL, OR WILDCAT Cabresto Canyon; San Jose E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE * 50 miles east of Bloomfield, New Mexico		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 20, T30N-R03W	
15. DISTANCE FROM PROPOSED * LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)		16. NO. OF ACRES IN LEASE 2267.0'	17. NO. OF ACRES ASSIGNED TO THIS WELL 160'
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		19. PROPOSED DEPTH 1850	20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, Etc.)		22. APPROX. DATE WORK WILL START	
23. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
17-1/2"	13-3/8" J-55	48#	550'
11"			
			QUANTITY OF CEMENT circ to surface

Mallon Oil Company proposes to drill to a depth sufficient to test the San Jose formation. If productive, it will be open hole completed. If non-productive, the well will be plugged and abandoned in a manner consistent with Federal regulations. Specific programs as per on-shore Oil and Gas Order No. 1 are outlined in the following attachments: This borehole is on an existing pad and the surface use plan is already implemented.

Drilling Program

- Exhibit 1: Blow Out Preventor Equipment/Plan
- Exhibit A: Location and Elevation Plat
- Exhibit B: Roads and Pipelines
- Exhibit C: One Mile Radius Map
- Exhibit D: Drilling Site Layout
- Exhibit E: Production Facilities
- Exhibit F: H2S Contingency Plan
- Exhibit G: Environmental Assessment

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: M. Gay Davis TITLE: Production Analyst DATE: 8/3/98

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL IF ANY: Confine all operations to the existing well pad.
APPROVED BY: [Signature] TITLE: Asst. Field Mgr. DATE: 8/13/98

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Jicarilla 459-20 No. 12
SE/4 Section 20-30N-3W

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102

Revised February 21, 1994

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

Instructions on back
Submit to Appropriate District Office

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

OIL CONSERVATION DIVISION

State Lease - 4 Copies
Fee Lease - 3 Copies

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

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-25855-00-00		*Pool Code 97037	*Pool Name CABRISTO CANYON TERTIARY
*Property Code 22862	*Property Name JICARILLA 459-20		*Well Number 12
*GRID No. 13925	*Operator Name MALLON OIL CO.		*Elevation 7252'

¹⁰ Surface Location

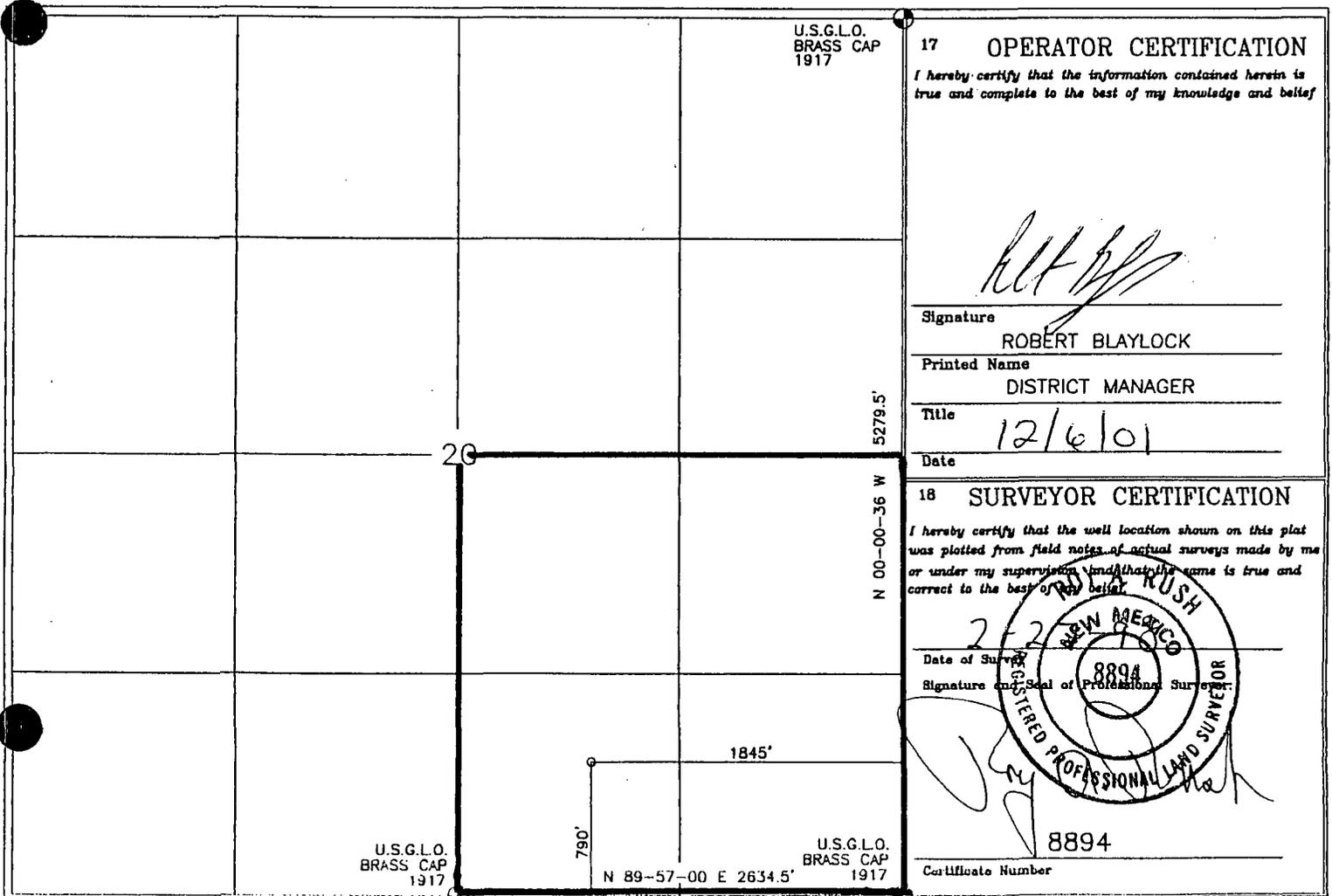
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	20	30-N	3-W		790	SOUTH	1845	EAST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



17 OPERATOR CERTIFICATION

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

Robert Blaylock
Signature
ROBERT BLAYLOCK
Printed Name
DISTRICT MANAGER
Title
12/6/01
Date

18 SURVEYOR CERTIFICATION

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 belief.

2-2
Date of Survey
Signature and Seal of Professional Surveyor
[Seal: NEW MEXICO REGISTERED PROFESSIONAL LAND SURVEYOR 8894]
8894
Certificate Number

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department.

Form C-102
Revised February 21, 1984

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

Submit to Appropriate District Office

DISTRICT III
P.O. Box 8710, Artesia, N.M. 87410

OIL CONSERVATION DIVISION

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

CONFIDENTIAL

State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-25855		*Pool Code	*Pool Name Cabresto Canyon; Pictured Cliff Ext.	
*Property Code	*Property Name JICARILLA 459-20		*Well Number 12	
*OGRID No. 013925	*Operator Name MALLON OIL CO.		*Elevation 7252'	

¹⁰ Surface Location

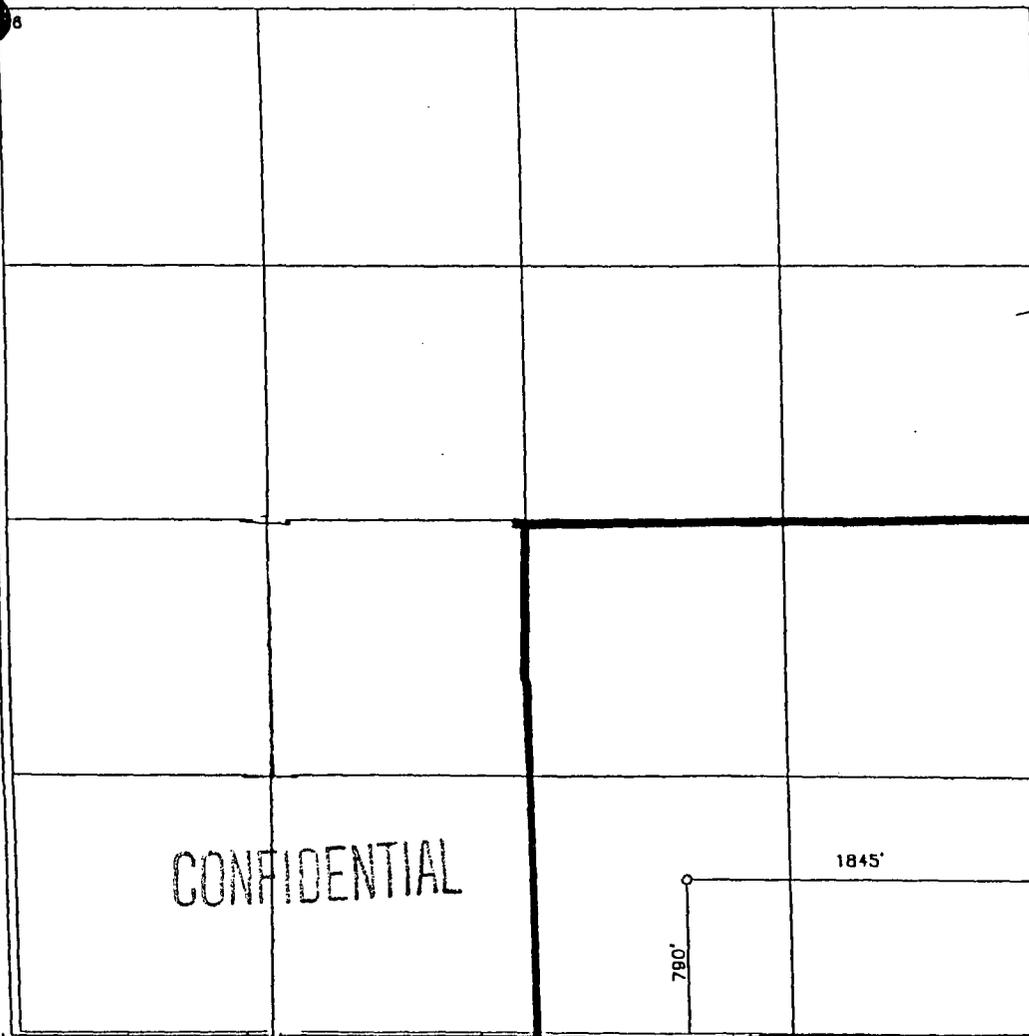
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	20	30-N	3-W		790	SOUTH	1845	EAST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



17 OPERATOR CERTIFICATION

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

Terry Lindeman
Signature

Terry Lindeman
Printed Name

Operations Superintendent
Title

3/24/98
Date

18 SURVEYOR CERTIFICATION

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 belief.

2-27-98
Date of Survey

Roy A. Rush
Signature



8894
Certificate Number

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT THIS DUPLICATE
(See instructions
on reverse side)

CONFIDENTIAL

FORM APPROVED
OMB NO. 1004-0137

Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL OIL GAS
WELL WELL DRY OTHER _____

b. TYPE OF COMPLETION
NEW WORK DEEP- PLUG DIFF
WELL OVER EN BACK RESVR

5. LEASE DESIGNATION AND SERIAL NO.
Jic 459

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME, WELL NO.
Jicarilla 459-20 N. 12

9. API WELL NO.
30-039-25855

10. FIELD AND POOL, OR WILDCAT
Cabresto Canyon, Pictured Cliffs Ext.

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA
Sec. 20, T30N-R03W

2. NAME OF OPERATOR
Mallon Oil Company

3. ADDRESS AND TELEPHONE NO.
P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
At surface 790 FSL and 1845 FEL (SW SE) Unit O
At top prod. interval reported below 790 FSL and 1845 FEL (SW SE) Unit O
At total depth _____

12. COUNTY OR PARISH
Rio Arriba

13. STATE
New Mexico

14. PERMIT NO. N/A DATE ISSUED N/A

15. DATE SPURRED 5/19/98 16. DATE TD REACHED 5/26/98 17. DATE COMP (Ready to Prod.) 6/30/98 18. ELEVATION (DF, RKB, RT, GR, ET) 7252' 19. ELEV. CASINGHEAD 7253'

20. TOTAL DEPTH, MD & TVD 4090' 21. PLUGBACK TD, MD & TVD 4035' 22. IF MULTIPLE COMP., HOW MANY* 2 23. INTERVALS DRILLED BY → ROTARY TOOLS Yes CABLE TOOLS N/A

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*)
3778'-3787', 3790'-3792', 3796'-3802', 3805'-3811', 3839'-3848' Cabresto Canyon, Pictured Cliffs Ext.

25. WAS DIRECTIONAL SURVEY MADE
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
DICT, GR-DSN-SDL

27. WAS WELL CORED
N/A

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24 lbs	543	12-1/4"	cmt 300 sxs class "B" cmt, circ 116	
5-1/2"	15.5 lbs	4077	7-7/8"	sxs to surface cmt 780 sxs cmt, circ 94 sxs to surface	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)
N/A				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
1.9	3661'	3662'

31. PERFORATION RECORD (Interval, size, and number)
3778'-3787', 3790'-3792', 3796'-3802', 3805'-3811', 3839'-3848'
4 JSPF 128 holes
Cabresto Canyon; Pictured Cliffs Ext.

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3778'-3848'	acidize with 2500 gal 7-1/2% HCL frac 66,420 lbs 20/40 sand

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)	WELL STAT (Producing or Shut In)					
7/2/98	Flowing	Producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
6/4/98	24	3/8"	→	0	837	20	N/A
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)	
252	0	→	0	837	20	N/A	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
D

TEST WITNESSED BY
J. Angel

35. LIST OF ATTACHMENTS

CONFIDENTIAL

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

SIGNED Christy Serrano Production Secretary DATE 7/6/98

CONFIDENTIAL

DUPLICATE
(See other instructions
on reverse side)

Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. TYPE OF WELL OIL WELL GAS WELL DRY OTHER BLM

b. TYPE OF COMPLETION NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF RESVR 98 JUL -9 PM 2:44

5. LEASE DESIGNATION AND SERIAL NO. **Jic 459**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME **Jicarilla Apache**

7. UNIT AGREEMENT NAME **N/A**

8. FARM OR LEASE NAME, WELL NO. **Jicarilla 459-20 N. 12**

9. API WELL NO. **30-039-25855**

10. FIELD AND POOL, OR WILDCAT **Cabresto Canyon, Ojo Alamo Ext.**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA **Sec. 20, T30N-R03W**

2. NAME OF OPERATOR **Mallon Oil Company**

3. ADDRESS AND TELEPHONE NO. **P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
At surface **790 FSL and 1845 FEL (SW SE) Unit O**
At top prod. interval reported below **790 FSL and 1845 FEL (SW SE) Unit O**
At total depth

14. PERMIT NO. **N/A** DATE ISSUED **N/A** 12. COUNTY OR PARISH **Rio Arriba** 13. STATE **New Mexico**

15. DATE SPUDDED **5/19/98** 16. DATE TD REACHED **5/26/98** 17. DATE COMP (Ready to Prod.) **6/30/98** 18. ELEVATION (DF, RKB, RT, GR, ET) **7252'** 19. ELEV. CASINGHEAD **7253'**

20. TOTAL DEPTH, MD & TVD **4090'** 21. PLUGBACK TD, MD & TVD **4035'** 22. IF MULTIPLE COMP., HOW MANY* **2** 23. INTERVALS DRILLED BY **→** ROTARY TOOLS **Yes** CABLE TOOLS **N/A**

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*) **3276'-3312' Cabresto Canyon; Ojo Alamo Ext.** 25. WAS DIRECTIONAL SURVEY MADE **Yes**

26. TYPE ELECTRIC AND OTHER LOGS RUN **GR-DILT, GR-DSN-SDL** 27. WAS WELL CORED **N/A**

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24 lbs	543	12-1/4"	cmt 300 sxs class "B" cmt, circ 116	
				sxs to surface	
5-1/2"	15.5 lbs	4077	7-7/8"	cmt 780 sxs cmt, circ 94 sxs to surface	

LINER RECORD

TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					1.9	3218'	

31. PERFORATION RECORD (Interval, size, and number) **3276'-3312'**

4 JSPF 144 holes

Cabresto Canyon; Ojo Alamo Ext.

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3276'-3312'	Acidize 2000 gal 7-1/2% HCl frac 64,620 lbs 12/20 sand

PRODUCTION

33.*

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)	WELL STAT (Producing or Shut In)					
7/3/98	Flowing	Producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
6/9/98	24	3/8"	→	0	831	40	N/A
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)	
250	0	→	0	831	40	N/A	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Sold** TEST WITNESSED BY **J. Winkler**

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 Christy Sorzano Production Secretary DATE 7/6/98

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

Title 18 U.S.C. 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

CONFIDENTIAL

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980
DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410

STATE OF NEW MEXICO
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
2040 Pacheco St.
Santa Fe, NM 87505

Form C-107
Revised 4-1-91

Filing Instructions
Bottom of Page

APPLICATION FOR MULTIPLE COMPLETION

Operator Mallon Oil Company	Address P.O. Box 3256 Carlsbad, New Mexico 88220		
Lease Jicarilla 459-20	Well No. No. 12	Unit Ltr. - Sec - Twp - Rge O-20-T30N-R03W	County Rio Arriba County

All applicants for multiple completion must complete Items 1 and 2 below.

1. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Cabresto Canyon; Ojo Alamo Ext.		EAST Cabresto Canyon; Pictured Cliffs Ext.
b. Top and Bottom of Pay Section (Perforations)	3276'-3312'	RECEIVED JUL 30 1998 OIL CON. DIV. DIST. 3	3778'-3848'
c. Type of production (Oil or Gas)	Gas		Gas
d. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
e. Daily Production <input checked="" type="checkbox"/> Actual <input type="checkbox"/> Estimated Oil Bbls. Gas MCF Water Bbls.	BO 0 MCF 831 BW 40		BO 0 MCF 252 BW 20

2. The following must be attached:
- Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
 - Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
 - Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.)

OPERATOR:

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

Signature Christy Serrano
Printed Name & Title Christy Serrano, Production Secretary
Date 7-21-98 Telephone 505-885-4596

OIL CONSERVATION DIVISION

ORIGINAL SIGNED BY ERNIE BUSCH

Approved by: _____
DEPUTY OIL & GAS INSPECTOR, DIST. 3
Title: _____
Date: AUG 4 1998

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

FILING INSTRUCTIONS:

- District Approval -- See rule 112-A-B -- Submit 4 copies of Form C-107 with attachments to appropriate district office.
- Division Director Administrative Approval -- See Rule 112-C -- Submit 2 copies of Form C-107 with attachments to Division office in Santa Fe and 2 copies of Form C-107 with attachments to appropriate district office.
- Multiple completions not qualifying for District or Division Director approval may be set for hearing as outlined in Rule 112-A-E.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

RECEIVED
98 MAY 25 10 12 AM '98
ALBUQUERQUE, NM

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other:

2. Name of Operator
 Mallon Oil Company

3. Address and Telephone No.
 P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 790' FSL and 1845' FEL (SW SE) Unit O
 Sec. 20, T30N-R03W

5. Lease Designation and Serial No.
 JIC 457 459

6. If Indian, Allote or Tribe Name
 Jicarilla Apache

7. If Unit or CA, Agreement Designation
 N/A

8. Well Name and No.
 Jicarilla 459-20 No. 12

9. Well API No.
 30-039-25855

10. Field and Pool, or Exploratory Area
 East Blanco, Pictured Cliffs

11. County or Parish, State
 Rio Arriba County, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other: Spud
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)*

Mallon Oil Company spud the above referenced well on 5/19/98 at 2:00 pm. Drilled 12-1/4" hole, 8-5/8" x 24 lbs/ft surface csg was set at 543' and cemented with 300 sxs Class "B" cement. Circulated 116 sxs of cement to pit.

14. I hereby certify that the foregoing is true and correct

Signed Christy Serrano Title Production Secretary Date 5-21-98
Christy Serran

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)
Approved By [Signature] Title Lands and Mineral Resources Date MAY 29 1998
Conditions of approval, if any:

Jicarilla 460 SJ No. 2
SW/4 Section 21-30N-3W

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102

Revised February 21, 1994
Instructions on back

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

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

OIL CONSERVATION DIVISION

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

AMENDED REPORT

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

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-26229-00-00		Pool Code 97037	Pool Name CABRISTO CANYON TERTIARY
Property Code	Property Name JICARILLA 460 SJ		Well Number 2
GRID No. 13925	Operator Name MALLON OIL COMPANY		Elevation 7187'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	21	30-N	3-W		787	SOUTH	987	WEST	RIO ARRIBA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>16 FD. U.S.G.L.O. BC. 1817</p> <p>5551.3'</p> <p>N 0-00-36 W</p> <p>887'</p> <p>787'</p> <p>FD. U.S.G.L.O. BC. 1817</p> <p>FD. U.S.G.L.O. BC. 1817</p>	<p>21</p>	<p>5495.7'</p>	<p>FD. U.S.G.L.O. BC. 1817</p>	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Robert Blaylock</i></p> <p>Signature</p> <p>ROBERT BLAYLOCK</p> <p>Printed Name</p> <p>DISTRICT MANAGER</p> <p>Title</p> <p>12/21/00</p> <p>Date</p>
				<p>18 SURVEYOR CERTIFICATION</p> <p>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 belief.</p> <p>7-2</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <p><i>[Signature]</i></p> <p>8894</p> <p>Certificate Number</p>
				<p>8894</p> <p>NEW MEXICO REGISTERED PROFESSIONAL LAND SURVEYOR</p>

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT TO BUREAU OF LAND MANAGEMENT
(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137

Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF RESVR

2. NAME OF OPERATOR: Mallon Oil Company

3. ADDRESS AND TELEPHONE NO.: 999 - 18th St., Suite 1700, Denver, CO 80202 303-293-2333

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
At surface: 787' FSL and 987' FWL (SW SW), Unit M
At top prod. interval reported below: 787' FSL and 987' FWL (SW SW), Unit M
At total depth: 787' FSL and 987' FWL (SW SW), Unit M

5. LEASE DESIGNATION AND SERIAL NO.: Jic 460

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Jicarilla Apache.

7. UNIT AGREEMENT NAME: N/A

8. FARM OR LEASE NAME, WELL NO.: Jicarilla 460 SJ No. 2

9. API WELL NO.: 30-039-26229

10. FIELD AND POOL, OR WILDCAT: Cabresto Canyon, San Jose

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 21-T30N-R03W

12. COUNTY OR PARISH: Rio Arriba

13. STATE: NM

14. Permit No.: N/A

Date Issued: N/A

15. DATE SPUDDED: 11/29/99

16. DATE TD REACHED: 12/2/99

17. DATE COMP (Ready to Prod.): 12/25/99

18. ELEVATION (DF, RKB, RT, GR, ET): 7187'

19. ELEV. CASINGHEAD: 7188'

20. TOTAL DEPTH, MD & TVD: 1800'

21. PLUGBACK TD, MD & TVD: 1748'

22. IF MULTIPLE COMPLETIONS, HOW MANY? _____

23. INTERVALS DRILLED BY: _____

ROTARY TOOLS: Yes

CABLE TOOLS: _____

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD): 1577'-1582', 1592'-1602', 1629'-1640', 1702'-1706', 1718'-1726', Cabresto Canyon

25. WAS DIRECTIONAL SURVEY MADE: Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN: SDL-DSN, DIL

27. WAS WELL CORED: No

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	238'	12-1/4"	cmt 120 sx Type 3 cmt	
				circ 16 sxs to surface	
4-1/2"	11.6#	1800'	6-3/4"	cmt 275 sx 50:50 Poz	
				circ 30 sx to surface	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N.A.					1.9	1572'	

31. PERFORATION RECORD (Interval, size, and number)	32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
1577'-1582', 1592'-1602', 1629'-1640', 1702'-1706', 1718'-1726' 2 JSPF (76 holes) Cabresto Canyon, San Jose	DEPTH INTERVAL (MD): 1577'-1726' AMOUNT AND KIND OF MATERIAL USED: acidize 3000 gals 7-1/2" HCL frac 44,400# 12/20 Brady sand 235,000 SCF N2, 3000# Flex sand

33. PRODUCTION							
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)	WELL STAT (Producing or Shut In)					
1/16/00	Flowing	Producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
12/27/99	24	3/8"		0	360	12	N/A
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)	
100	0		0	360	12	N/A	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): Sold

TEST WITNESSED BY: M. Davis

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: Linda J. Wilkins (Linda Wilkins) Engineering Technician DATE: 3/7/00

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, lime tool open, flowing and shut-in pressures, and recoveries):

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT DEPTH
				L. San Jose	1552'	

CONFIDENTIAL

Form 3160-5
(JUNE 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other:	5. Lease Designation and Serial No. Jic 460
2. Name of Operator Mallon Oil Company	6. If Indian, Allotee or Tribe Name Jicarilla Apache Tribe
3. Address and Telephone No. P.O. Box 2797 Durango, CO 81302 (970)382-9100	7. If Unit or CA, Agreement Designation N/A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 787' FSL and 987' FWL (SW SW) Unit M Sec. 21, T30N-R03W	8. Well Name and No. Jicarilla 460 SJ No. 2
	9. Well API No. 30-039-26299
	10. Field and Pool, or Exploratory Area Cabresto Canyon, San Jose Ext.
	11. County or Parish, State Rio Arriba County, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other: Change Surface Casing
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)

Mallon Oil company spud the above referenced well on November 29, 1999 at 1:45 pm. Drilled 12-1/4" hole, 8-5/8" x 24 lb/ft surface casing was set at 238'. Cemented 120 sxs Type 3 cmt, circulated 16 sxs to surface.

14. I hereby certify that the foregoing is true and correct

Signed Christy Surano Title Production Clerk Date 12-8-99

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved B Patricia M. West Title Lands and Mineral Resources Date 12-20-99

Conditions of approval, if any:

U.S. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

CONFIDENTIAL

CONFIDENTIAL

Form 3160-3
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

FORM APPROVED
OMB No. 1004-0136
Expires February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
 Drill Deepen

b. TYPE OF WELL
 Oil Well Gas Well Other Single Zone Multiple Zone

5. LEASE DESIGNATION AND SERIAL NO.
JIC 460

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME
N/A

2. NAME OF OPERATOR
Mallon Oil Company

8. FARM OR LEASE NAME, WELL NO.
Jicarilla 460 SJ No.2

3. ADDRESS AND TELEPHONE NO.
P.O. Box 2797
Durango, CO 81302 (970) 382-9100

9. API WELL NO.
30-039-26229

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 787' FSL and 987' FWL (SW/SW) Unit M

10. FIELD AND POOL, OR WILDCAT
Cabresto Canyon, San Jose ext.

At proposed prod. zone 787' FSL and 987' FWL (SW/SW) Unit M

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 21, T30N-R03W

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
53 miles east of Bloomfield, New Mexico

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)
787'

16. NO. OF ACRES IN LEASE
1,920

17. NO. OF ACRES ASSIGNED
TO THIS WELL
175.86

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.
100'

19. PROPOSED DEPTH
1800'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (SHOW WHETHER DF, RT, GR, Etc.)
7187' GR

22. APPROX. DATE WORK WILL START
08/01/99

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	500'	Circulate to surface
7-7/8"	4-1/2"	14.7#	1800'	300 sks 50/50 Poz w/additives

Mallon Oil Co. proposes to drill this well to an approximate TD of 1800' in the San Jose formation. This well is placed on an existing well pad. Some additional pad extension may be required. The Jicarilla Oil and Gas Administration has waived any necessity of re-ensiting the well pad as long as any required archaeology survey is submitted. Environmental assessment was previously submitted under the initial well APD. If productive, 4-1/2" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with Federal regulations. Specific programs as per on-shore Oil and Gas Order No. 1 are outlined in the following attachments:

- Drilling Program
- Exhibit 1: Blow Out Preventer Equipment/Plan
 - Exhibit A: Location and Elevation Plat
 - Exhibit B: Roads and Pipelines
 - Exhibit C: One Mile Radius Map
 - Exhibit D: Drilling Site Layout
 - Exhibit E: Production Facilities
 - Exhibit F: H2S Contingency Plan
 - Exhibit G: Archaeology Report

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: Terry Lindeman TITLE: Operations Superintendent DATE: 07/05/99

(This space for Federal or State office use)
PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:
APPROVED BY: Jean R. Resnick TITLE: Asst Field Mgr DATE: SEP 24 1999

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NSL-4355 @ CONFIDENTIAL

RECEIVED
OCT - 1 1999
OIL CON. DIV.

99 JUL 29 PM 3:21
ALBUQUERQUE
RECEIVED

Jicarilla 460 No. 2
SW/4 Section 21-30N-3W

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

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

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

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

DISTRICT III
P.O. Rio Brazos Rd., Aztec, N.M. 87410

AMENDED REPORT

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-039-24112-00-00		2 Pool Code 97037		3 Pool Name CABRISTO CANYON TERTIARY	
4 Property Code 204166		5 Property Name JICARILLA 460		6 Well Number 2	
7 OGRID No. 13925		8 Operator Name MALLON OIL COMPANY		9 Elevation 7193'	

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	21	30-N	3-W		790	SOUTH	890	WEST	RIO ARRIBA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 160	13 Joint or Infill	14 Consolidation Code	15 Order No.
---------------------------	--------------------	-----------------------	--------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16 FD. U.S.G.L.O. BC. 1917

5551.3'

N 0-00-36 W

890'

790'

FD. U.S.G.L.O. BC. 1917

FD. U.S.G.L.O. BC. 1917

N 89-34-54 E

5495.7'

FD. U.S.G.L.O. BC. 1917

17 OPERATOR CERTIFICATION

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

[Signature]

Signature

ROBERT BLAYLOCK

Printed Name

DISTRICT MANAGER

Title

12/06/01

Date

18 SURVEYOR CERTIFICATION

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 belief.

5-17-00

Date of Survey

[Signature]

Signature and Seal of Professional Surveyor

ROY RUSH
REGISTERED PROFESSIONAL LAND SURVEYOR
NEW MEXICO

8894

Certificate Number

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
AMENDED

SUBMIT IN DUPLICATE
(See other instructions
on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL OIL GAS
WELL WELL DRY OTHER _____

b. TYPE OF COMPLETION
NEW WORK DEEP- PLUG DIFF
WELL OVER EN BACK RESVR OTHER _____

2. NAME OF OPERATOR
Mallon Oil Company

3. ADDRESS AND TELEPHONE NO.
P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
At surface 790 Fsl, 890 FWL (SWSW) Unit M

At top prod. interval reported below

At total depth 790 Fsl, 890 FWL (SWSW) Unit M

14. PERMIT NO. DATE ISSUED
N/A N/A

15. DATE SPUNDED 16. DATE TD REACHED 17. DATE COMP (Ready to Prod.)
N/A N/A 11/14/97

18. ELEVATION (DF, RKB, RT, GR, ETC*) 19. ELEV. CASINGHEAD
N/A N/A

20. TOTAL DEPTH, MD & TVD 21. PLUGBACK TD, MD & TVD 22. IF MULTIPLE COMP., HOW MANY*
N/A 3550' N/A

23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS
N/A N/A

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*)
3224'-3234', 3237'-3243', 3246'-3248', 3272'-3278', 3284'-3206' Ojo Alamo

25. WAS DIRECTIONAL SURVEY MADE
N/A

26. TYPE ELECTRIC AND OTHER LOGS RUN
N/A

27. WAS WELL CORED
N/A

28. CASING RECORD (Report all strings set in well)

29. LINER RECORD 30. TUBING RECORD

31. PERFORATION RECORD (Interval, size, and number)
3224'-3234'
3237'-3243'
3246'-3248'
3272'-3278'
3284'-3286'
Ojo Alamo

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
3224'-3234' Acidize 2000 gls
Frac 61,000 lbs sand

33.* PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) WELL STATUS (Producing or Shut In)
11/14/97 Flowing Producing

DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N FOR TEST PERIOD OIL - BBL GAS - MCF WATER - BBL GAS-OIL RATIO
10/28/97 24 3/8" 0 1303 1 0

FLOW TBG PRESS CASING PRESSURE CALCULATED 24-HOUR RATE OIL - BBL GAS - MCF WATER - BBL OIL GRAVITY - API (CORR.)
400 0 0 1303 150 0

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY
Sold Angel

35. LIST OF ATTACHMENTS
N/A

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

SIGNED *H. [Signature]* TITLE Production Analyst DATE 12/12/97

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other In-
structions on
reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESER. Other _____

2. NAME OF OPERATOR
Robert L. Bayless

3. ADDRESS OF OPERATOR
P.O. Box 168, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 790' FSL & 890' FWL
At top prod. interval reported below
At total depth same

14. PERMIT NO. _____ DATE ISSUED _____

15. DATE SPUDDED 12/29/86 16. DATE T.D. REACHED 01/04/87 17. DATE COMPL. (Ready to prod.) 01/19/87 18. ELEVATIONS (DF, RKB, RT, GB, ETC.)* 7191' GL; 7203' RKB

20. TOTAL DEPTH, MD & TVD 4112' RKB 21. PLUG, BACK T.D., MD-& TVD 4012' RKB 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS 0 - TD CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
3688' - 4000' P.C.

26. TYPE ELECTRIC AND OTHER LOGS RUN
TEL, CNL - FDC

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7 5/8"	26.4#	141' RKB	9 7/8"	60 sx Class B (71ft ³)	
4 1/2"	11.6#	4104' RKB	6 3/4"	225 sx (284ft ³) 50/50 poz mix	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

31. PERFORATION RECORD (Interval, size and number)

3688 - 3694	3967 - 3973
3704 - 3720	3982 - 3988
3722 - 3730	3993 - 4000
3735 - 3744	Total 146 holes
3763 - 3774	.34", 2 JSPF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3688 - 4000'	1000 gal 7 1/2% DI HCL weighted acid; 219 RCN ball sealers; 107,500 gal 70 quality foam; 130,000# 20/40 sand.

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
<u>waiting on hookup</u>	<u>flowing</u>	<u>SI</u>

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
<u>01/26/87</u>	<u>3</u>	<u>3/4</u>	<u>→</u>	<u>-0-</u>	<u>51</u>	<u>-0-</u>	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
<u>22</u>	<u>106</u>	<u>→</u>	<u>-0-</u>	<u>408</u>	<u>-0-</u>	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
vented

35. LIST OF ATTACHMENTS

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

SIGNED Tom H. McLeod TITLE Engineer DATE 02/02/87

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

5. LEASE DESIGNATION AND SERIAL NO.
Jic. Cont. 460

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jic. Apache Tribe

7. UNIT AGREEMENT NAME _____

8. FARM OR LEASE NAME _____

9. WELL NO.
#2

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 21, T30N, R3W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
OJO ALAMO	3177	3427	water	OJO ALAMO	3177	
KIRTLAND	3427	3556	water	KIRTLAND	3427	
FRUITLAND	3556	3687	water and natural gas	FRUITLAND	3556	
P.C.	3687	4115	natural gas	P.C.	3687	

38. GEOLOGIC MARKERS

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR Robert L. Bayless</p> <p>3. ADDRESS OF OPERATOR P.O. Box 168, Farmington, NM 87499</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below) At surface 790' FSL & 890' FWL</p> <p>14. PERMIT NO.</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. Jicarilla Contract 460</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache Tribe</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME Jicarilla 460</p> <p>9. WELL NO. 2</p> <p>10. FIELD AND POOL, OR WILDCAT Wildcat</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 21, T30N, R3W</p> <p>12. COUNTY OR PARISH 13. STATE Rio Arriba NM</p>
<p>15. ELEVATIONS (Show whether OP, RT, GR, etc.) 7191 GL 7203 RKB</p>	

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) Spud; set surface csg. <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE UNFINISHED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Spud well at 7:15 a.m. 12/29/86. Drilled 144 ft. of 9-7/8" hole. Ran 3 jts. (128.69 ft.) of 7-5/8" 26.4#/ft. casing and set at 141' RKB. Rigged up Dowell and cemented surface with 60 sacks Class B cement containing 3% CaCl₂ (71 ft.³). Good circulation throughout job. Circulated cement to surface. Plug down at 2:15 a.m. 12/30/86. WOC.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Operator DATE 12/31/86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Robert L. Bayless

3. ADDRESS OF OPERATOR
 P.O. Box 168, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface
 790' FSL & 890' FWL
 At proposed prod. zone
 same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
 FARMINGTON RESOURCE AREA

5. LEASE DESIGNATION AND SERIAL NO.
 Contract 460

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 Jicarilla Apache Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Jicarilla 460

9. WELL NO.
 2

10. FIELD AND POOL OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
 Sec. 21, T30N, R3W

12. COUNTY OR PARISH 13. STATE
 Rio Arriba NM

RECEIVED
DEC 09 1986

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE
 1920'

17. NO. OF ACRES ASSIGNED TO THIS WELL
 160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH
 4115'

20. ROTARY OR CABLE TOOLS
 0-TD

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 7191' GL 7203' RKB

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED GENERAL REQUIREMENTS AND PROPOSED CASING AND CEMENTING PROGRAM

22. APPROX. DATE WORK WILL START*
 This action is subject to technical and procedural review pursuant to 43 CFR 3135.3 and appeal pursuant to 43 CFR 3135.4.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9"	7"	23#/ft.	125 ft.	30 ft ³ Class B
6-1/4"	4-1/2"	11.6#/ft.	4115 ft.	206 ft ³ Class B w/2% econofil
				89 ft ³ 50-50 pozmix

Will drill 9" hole to 125' and set 125' of 23#/ft. J-55 casing cementing with 30 ft³ Class B cement, circulated to surface. Will drill 6-1/4" hole to 4115' and run 4115' of 4-1/2", 11.6#/ft. J-55 casing and cement with 206 ft.³ Class B with 2% econofil tailed by 89 ft.³ 50-50 pozmix with 2% gel and 10% salt. Circulating medium will be clear water, natural mud and water loss control additives. No abnormal pressures or temperatures are anticipated. Will run Induction and Density Logs. Blowout preventer schematic is attached. The gas from this formation is not dedicated to a gas contract.

ESTIMATED TOPS: Ojo Alamo - 3199'
 Kirtland - 3439'
 Fruitland - 3684'
 Pictured Cliffs - 3797'
 T.D. - 4115'

File temp survey w/c land log to determine correct LP

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Kevin H. McCord TITLE Petroleum Engineer DATE Dec. 8, 1986

(This space for Federal or State office use)

APPROVED AS AMENDED

PERMIT NO. _____ APPROVAL DATE DEC 23 1986

APPROVED BY _____ TITLE _____ DATE Robert Moore

CONDITIONS OF APPROVAL, IF ANY:

OPERATOR AREA MANAGER

*See Instructions On Reverse Side

Jicarilla 30-03-28 SJ No. 1
SW/4 Section 28-30N-3W

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

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

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

DISTRICT III
1800 Rio Brazos Rd., Aztec, N.M. 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

AMENDED REPORT

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-26239-00-00		*Pool Code 97037	*Pool Name CABRISTO CANYON TERTIARY
*Property Code 25037	*Property Name JICARILLA 30-3-28 SJ		*Well Number 1
*OGRID No. 13925	*Operator Name MALLON OIL COMPANY		*Elevation 7134'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	28	30-N	3-W		1195	SOUTH	873	WEST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres: 160 ¹³ Joint or Infill: ¹⁴ Consolidation Code: ¹⁵ Order No.:

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>16</p>	<p>17 OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i></p> <p><i>Robert Blaylock</i></p> <p>Signature _____</p> <p>ROBERT BLAYLOCK</p> <p>Printed Name _____</p> <p>DISTRICT MANAGER</p> <p>Title _____</p> <p>12/06/01</p> <p>Date _____</p>	
	<p>18 SURVEYOR CERTIFICATION</p> <p><i>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 belief.</i></p> <p>7-18-01</p> <p>Date of Survey _____</p> <p><i>[Signature]</i></p> <p>Signature and Seal of Professional Surveyor: _____</p> <p>8894</p> <p>REGISTERED PROFESSIONAL LAND SURVEYOR</p> <p>8894</p> <p>Certificate Number _____</p>	

FD. U.S.G.L.O. BC. 1917 N 89-36-47 E 5229.20' REBAR w/ 1" PLASTIC CAP

Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL
OIL WELL GAS WEL DRY OTHER _____
b. TYPE OF COMPLETION
NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF RESVR

5. LEASE DESIGNATION AND SERIAL NO.
MDA 701-90-0002

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache Tribe

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME, WELL NO.
Jicarilla 30-03-28 SJ No. 1

9. API WELL NO.
30-039-26239

10. FIELD AND POOL, OR WILDCAT
Cabresto Canyon; San Jose Ext.

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 28, T30N-R03W

2. NAME OF OPERATOR
Mallon Oil Company

3. ADDRESS AND TELEPHONE NO.
P. O. Box 2797 Durango, CO 81302 (970) 382-9100

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
At surface 1195' FSL and 873' FW (SW SW) Unit M
At top prod. interval reported below 1195' FSL and 873' FW (SW SW) Unit M
At total depth 1195' FSL and 873' FW (SW SW) Unit M

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

15. DATE SPUDED
10/25/99

16. DATE TD REACHED
10/30/99

17. DATE COM (Ready to Prod.)
11/18/99

18. ELEVATION (DF, RKB, RT, GR, E)
7134'

19. ELEV. CASINGHEAD
7135'

20. TOTAL DEPTH, MD & TVD
2100'

21. PLUGBACK TD, MD & TVD
2050'

22. IF MULTIPLE COMPS HOW MANY*
N.A.

23. INTERVALS DRILLED BY
→

ROTARY TOOLS
Yes

CABLE TOOLS
N.A.

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*)
1571'-1579', 1537'-1561' Cabresto Canyon; San Jose Ext.

25. WAS DIRECTIONAL SURVEY MADE
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
HRI; SDL/DSN

27. WAS WELL CORED
N.A.

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24	234	12-1/4"	cmt 120 sxs Class B cmt	
				circ 28 sxs to surface	
4-1/2"	10.5	2094	6-3/4"	cmt 300 sxs 50/50 poz	
				circ 15 sxs to pit	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)
N.A.				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
1.9	1532'	

31. PERFORATION RECORD (Interval, size, and number)

1571'-1579' 4 JSPF (32 holes)
1537'-1561' 2 JSPF (48 holes)
Cabresto Canyon; San Jose Ext.

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1537' - 1579'	acidize 1700 gal 7-1/2% HCL frac 15,260 lbs brady sand 20,780 lbs Super HT 12/20

33.* PRODUCTION

DATE FIRST PRODUCTION 11/18/99		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing			WELL STAT (Producing or Shut In) Producing		
DATE OF TEST 11/11/99	HOURS TESTED 24	CHOKE SIZE 3/8'	PROD'N FOR TEST PERIOD →	OIL - BBL 0	GAS - MCF 543	WATER - BBL 12	GAS-OIL RATIO N.A.
FLOW TBG PRESS 160	CASING PRESSURE 0	CALCULATED 24-HOUR RATE →	OIL - BBL 0	GAS - MCF 543	WATER - BBL 12	OIL GRAVITY - API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold

TEST WITNESSED BY
Mike Davis

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
Christy Serrano (Christy Serrano) Production Secretary DATE 11-22-99

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

Title 18 U.S.C. 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

CONFIDENTIAL

ACCEPTED FOR RECORD

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; intervals; and all drill-stem-tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT DEPTH
				San Jose	1522	
				Nacimiento	1986	

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other:		5. Lease Designation and Serial No.
2. Name of Operator Mallon Oil Company		6. If Indian, Allote or Tribe Name Jicarilla Apache Tribe
3. Address and Telephone No. P.O. Box 2797 Durango, CO 81302 (970)382-9100		7. If Unit or CA, Agreement Designation N/A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1195' FSL and 873' FWL Sec. 28, T30N-R03W, Unit M		8. Well Name and No. Jicarilla 30-03-28SJ No. 1
		9. Well API No. 30-039-26239
		10. Field and Pool, or Exploratory Area Cabresto Canyon, San Jose Ext.
		11. County or Parish, State Rio Arriba, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other: Spud Sundry <input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water
<small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)*

Mallon Oil Company spud the above referenced well on 10-25-99 at 4:15 am. Drilled 12-1/4" hole, 8-5/8" x 24 lb/ft surface casing was set at 234'. Cemented 120 sxs Class B cmt, circulated 28 sxs to surface.

RECEIVED
OCT 27 1999
BUREAU OF LAND MANAGEMENT

14. I hereby certify that the foregoing is true and correct

Signed Christy Serrano Title Production Clerk Date 11-17-99

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved B Patricia M. Hest Title Land and Mineral Resources Date 11-20-99

Conditions of approval, if any:

U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

CONFIDENTIAL

CONFIDENTIAL

Form 3160-3

(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK Drill <input checked="" type="checkbox"/> Deepen <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. MDA 701-90-0002
b. TYPE OF WELL Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache
2. NAME OF OPERATOR Mallon Oil Company		7. UNIT AGREEMENT NAME N/A
3. ADDRESS AND TELEPHONE NO. P.O. Box 2797 Durango, CO 81302 (970) 382-9100		8. FARM OR LEASE NAME, WELL NO. Jicarilla 30-3-28 SJ No. 1
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1195' FSL and 873' FWL (SW/SW) Unit M At proposed prod. zone 1195' FSL and 873' FWL (SW/SW) Unit M		9. API WELL NO.
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE * 52 miles east of Bloomfield, New Mexico		10. FIELD AND POOL, OR WILDCAT Cabresto Canyon, San Jose ext.
15. DISTANCE FROM PROPOSED * LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 773' (Also to nearest drlg. unit line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec.28, T30N-R03W
16. NO. OF ACRES IN LEASE 640	17. NO. OF ACRES ASSIGNED TO THIS WELL 158	12. COUNTY OR PARISH Rio Arriba
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 100'	19. PROPOSED DEPTH 1800'	13. STATE NM
20. ROTARY OR CABLE TOOLS Rotary	21. ELEVATIONS (SHOW WHETHER DF, RT, GR, Etc.) 7134' GR	22. APPROX. DATE WORK WILL START 08/01/99

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	500'	Circulate to surface
7-7/8"	4-1/2"	14.7#	1800'	300 sks 50/50 Poz w/additive

Mallon Oil Co. proposes to drill this well to an approximate TD of 1800' in the San Jose formation. This well is placed on an existing well pad. Some additional pad extension may be required. The Jicarilla Oil and Gas Administration has waived any necessity of re-onsiting the well pad as long as any required archaeology survey is submitted. Environmental assessment was previously submitted under the initial well APD. If productive, 4-1/2" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with Federal regulations. Specific programs as per on-shore Oil and Gas Order No. 1 are outlined in the following attachments:

Drilling Program

- | | |
|--|----------------------------------|
| Exhibit 1: Blow Out Preventor Equipment/Plan | Exhibit D: Drilling Site Layout |
| Exhibit A: Location and Elevation Plat | Exhibit E: Production Facilities |
| Exhibit B: Roads and Pipelines | Exhibit F: H2S Contingency Plan |
| Exhibit C: One Mile Radius Map | Exhibit G: Archaeology Report |

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: *Randy Lindeman* TITLE: Operations Superintendent DATE: 07/05/99

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY: *Jean R Resnick* TITLE: Acting AFM DATE: OCT 22 1999

*See Instructions On Reverse Side

18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONFIDENTIAL

99 APR 9 11:10:09
 99 APR 9 9:09:09
 001 ALBUQUERQUE, N.M.

Jicarilla 30-03-28 No. 1
SW/4 Section 28-30N-3W

DISTRICT I
P.O. Box 1880, Hobbs, N.M. 88241-1880

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

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

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-25130-00-00		*Pool Code 97037	*Pool Name CABRISTO CANYON TERTIARY
*Property Code	*Property Name JICARILLA 30-3-28		*Well Number 1
*UGRID No. 13925	*Operator Name MALLON OIL COMPANY		*Elevation 7142'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	28	30-N	3-W		1195	SOUTH	773	WEST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

*Dedicated Acrea *Joint or Infill *Consolidation Code *Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>MARKED STONE</p> <p>2630.40'</p> <p>773'</p> <p>N 0-02-21 E</p> <p>1195'</p> <p>FD. U.S.G.L.O. BC. 1917</p>	<p>28</p>	<p>5229.20'</p>	<p>REBAR w/ 1" PLASTIC CAP</p>	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Robert Blaylock</i></p> <p>Signature</p> <p>ROBERT BLAYLOCK</p> <p>Printed Name</p> <p>DISTRICT MANAGER</p> <p>Title</p> <p>12/21/01</p> <p>Date</p>
				<p>18 SURVEYOR CERTIFICATION</p> <p>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</p> <p>5-17</p> <p>NEW MEXICO</p> <p>REGISTERED PROFESSIONAL LAND SURVEYOR</p> <p>8894</p> <p>8894</p> <p>Certificate Number</p>

CONFIDENTIAL

Form 3160-4 (July 1992)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT AMENDED

SUBMIT IN DUPLICATE (See other instructions on reverse side)

FORM APPROVED OMB NO. 1004-0137 Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a TYPE OF WELL OIL WELL GAS WELL [X] DRY [] OTHER []

b TYPE OF COMPLETION NEW [] WORK OVER [X] DEEP-EN [] PLUG BACK [] DIFF RESVR [] OTHER []

2. NAME OF OPERATOR Mallon Oil Company

3 ADDRESS AND TELEPHONE NO. P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1185' FLS, 790' FWL Unit M At top prod. interval reported below At total depth 1185' FSL, 790' FWL (SW SW) Unit M

5. LEASE DESIGNATION AND SERIAL NO 701-90-0002 6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache 7. UNIT AGREEMENT NAME N/A 8. FARM OR LEASE NAME, WELL NO. Jicarilla 30-3-28 No. 1 9. API WELL NO. 30-039-25130 10. FIELD AND POOL, OR WILDCAT E. Blanco, Ojo Alamo 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 28, T30N-R3W

14. PERMIT NO. N/A 15. DATE SPUNDED N/A 16. DATE TD REACHED N/A 17. DATE COMP (Ready to Prod.) 10/19/97 18. ELEVATION (OF, RKB, RT, GR, ETC*) N/A 19. ELEV. CASINGHEAD N/A 12. COUNTY OR PARISH Rio Arriba 13. STATE New Mexico

20. TOTAL DEPTH, MD & TVD N/A 21. PLUGBACK TD, MD & TVD 3510' 22. IF MULTIPLE COMP., HOW MANY* N/A 23. INTERVALS DRILLED BY [] ROTARY TOOLS N/A CABLE TOOLS N/A

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 3149'-3151', 3157'-3176', 3194'-3197', 3213'-3231' Ojo Alamo 25. WAS DIRECTIONAL SURVEY MADE N/A

26. TYPE ELECTRIC AND OTHER LOGS RUN N/A 27. WAS WELL CORED N/A

CASING RECORD (Report all strings set in well)

Table with 6 columns: CASING SIZE/GRADE, WEIGHT LB/FT, DEPTH SET (MD), HOLE SIZE, TOP OF CEMENT, CEMENTING RECORD, AMOUNT PULLED. Row 1: Existing

LINER RECORD

Table with 4 columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT*. Row 1: N/A

TUBING RECORD

Table with 4 columns: SIZE, DEPTH SET (MD), PACKER SET (M). Row 1: 2-3/8", 3024', 3026'

31. PERFORATION RECORD (Interval, size, and number) 3149'-3151' 3157'-3176' 3194'-3197' 3213'-3231' Ojo Al

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL (MD) 3149'-3231' AMOUNT AND KIND OF MATERIAL USED 1000 gals acid Frac 56,340 lbs sand

PRODUCTION

Table with 8 columns: DATE FIRST PRODUCTION, PRODUCTION METHOD, WELL STATUS, DATE OF TEST, HOURS TESTED, CHOKE SIZE, PROD'N FOR TEST PERIOD, OIL - BBL, GAS - MCF, WATER - BBL, GAS-OIL RATIO, FLOW TBG PRESS, CASING PRESSURE, CALCULATED 24-HOUR RATE, OIL - BBL, GAS - MCF, WATER - BBL, OIL GRAVITY - API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold TEST WITNESSED BY T. Lindeman

35. LIST OF ATTACHMENTS N/A

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records SIGNED [Signature] TITLE Production Analyst DATE 12/12/97

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

Title 18 U.S.C. 1001 makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See other instructions on reverse side)

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO.

701-90-0002

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Jic. 30-3-28 #1

9. API WELL NO.

30-039-25130

10. FIELD AND POOL, OR WILDCAT

Basin Fruitland Coal

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 28, T30N, R3W

12. COUNTY OR PARISH

Rio Arriba NM

13. STATE

15. DATE SPUDDED 18. ELEVATIONS (OF, RKB, RT, GE, ETC.)^{*} 19. ELEV. CASING HEAD

6/5/92 7137' GL; 7149' RKB

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY^{*} 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS

3640' RKB

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)^{*} 25. WAS DIRECTIONAL SURVEY MADE

3592-3624: Basin Fruitland Coal

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	146.78'	12-1/4"		
4-1/2"	10.5#	4049'	7-7/8"	3875 sx 1031 ³ Class B w/2% econolite;	
				325 sx 410 ³ 50/50 pozmix w/2% gel & 10% salt;	
				100 sx 118 ³ Class B	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT [*]	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	3615'	

31. PERFORATION RECORD (Interval, size and number)

3592-3602 - 10 ft. - 40 holes
3619-3624 - 5 ft. - 20 holes
3-1/8" gun, 4 JSPF, .34" diameter

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3592-3624	500 gal. 7 1/2% DI HCL weighted acid w/90 l.lsg RCN ball sealer;
	62,650 gal. 25#/1000 gal. x-lin gelled fluid w/138,100 # 20/40

33. PRODUCTION sand & 60,000# 40/60 sand.

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
6/5/92	flowing	producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6/6/92	24	3/8"	→	0	14	0	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
410	460	→	0	14	0		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

sold Tom McCarthy

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 Kevin H. McCarthy TITLE Petroleum Engineer DATE 6/19/92

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo SS	3142	3384	Sandstone, siltstone, water, small amounts of natural gas.	Ojo Alamo	3142	
Kirtland-Fruitland FMS	3384	3640	Sandstone, siltstone, shale, coal, water, natural gas.	Kirtland - Fruitland FMS	3384	same
Pictured Cliffs SS	3640	4054	Sandstone, siltstone, shale, natural gas.	Pictured Cliffs	3640	

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN DUP ATE*

*other instructions on reverse side

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

1b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. REVR. Other _____

2. NAME OF OPERATOR
Robert L. Bayless

3. ADDRESS AND TELEPHONE NO.
P.O. Box 168 Farmington, N.M. 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface
At top prod. interval reported below Same
At total depth Same

5. LEASE DESIGNATION AND SERIAL NO.
701-90-0002

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
Jicarilla 30-3-28

9. APIWELLNO.
#1

10. FIELD AND POOL, OR WILDCAT
East Blanco Pictured Cl

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 28, T30N, R3W

14. PERMIT NO. 30-039-25130 DATE ISSUED _____

12. COUNTY OR PARISH Rio Arriba 13. STATE New Mexico

15. DATE SPUDDED 11-7-91 16. DATE T.D. REACHED 11-12-91 17. DATE COMPL. (Ready to prod.) 1-14-92 18. ELEVATIONS (DF, RKE, RT, GR, ETC.)* 7137' GL 7149' RKB 19. ELEV. CASINGHEAD _____

20. TOTAL DEPTH, MD & TVD 4054' 21. PLUG, BACK T.D., MD & TVD 3949' 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS 0=TD CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Pictured Cliffs: 3642' - 3720' 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Induction, Neutron, Density 27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	146.78'	12 1/4"		
4 1/2"	10.5#/ft.	4049'	7 7/8"	3875 sx 1031 ³ Class B w/2	% econolite;
				325 sx 410 ³ 50/50 pozmix	w/2% gel &
				10% salt; 100 sx 118 ³	Class B

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	3676'	No

31. PERFORATION RECORD (Interval, size and number)

3642 - 3679 37' 75 holds
3708 - 3720 12' 25 holes
3 1/8" gun - 2JSPF - .34" diameter

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3642 - 3720	500 gal 7½ DI weighted HCL acid; 150 l.l s.g. RCN ball sealers. 75,000 gal 70 quality foam w/100,000# 20/40 sand. 940,000 SCF Nitrogen

33. PRODUCTION

DATE FIRST PRODUCTION S.I. PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1-21-92	3			0	70	0	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
			0	601 AOF	0	

34. DISPOSITION OF GAS (Bold, used for fuel, vented, etc.)
Vented TEST WITNESSED BY David Ball

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 Kevin H. McCord TITLE Petroleum Engineer DATE January 24, 1992

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

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo SS	3142	3384	Sandstone, siltstone, water, small amounts of natural gas.	Ojo Alamo	3142	
Kirtland - Fruitland FMS	3384	3640	Sandstone, siltstone, shale, coal, water, natural gas.	Kirtland - Fruitland FMS	3384	SAME
Pictured Cliffs SS	3640	4054	Sandstone, siltstone, shale, natural gas.	Pictured Cliffs	3640	

RECEIVED
BLM

S2 JAN 29 AM 10:22

019 FARMINGTON, N.M.

ACCEPTED FOR RECORD

JAN 31 1992

FARMINGTON RESOURCE AREA
BY LLB

ROBERT L. BAYLESS
Jicarilla 30-3-28 #1
1185' FSL & 790' FWL
Sec. 28, T30N, R3W
San Juan County, NM

- 11/8/91 Spud well at 3:30 p.m., 11/7/91. Drilled 163 ft. of 12 1/4" surface hole. Ran 4 jts. (146.78) of 8 5/8" used surface casing and landed at 160 ft. RKB. Rigged up Cementers, Inc. Cemented surface with 135 sacks (159 ft³) of Class B cement with 3% CaCl₂. Good circulation throughout job. Circulate cement to surface. Plug down at 8:30 p.m., 11/7/91. Wait on cement. Pressure test surface casing and cement to 600 psi for 30 minutes. Held ok. Drilled cement. Drilled 92 feet of formation. Drilling.
- 11/9/91 Drilling at 2040'.
- 11/10/91 Drilling at 3050'.
- 11/11/91 Bit #3 had one cone left in hole. Bit #4 used to mill up cone and clean up hole. Note: 1 hr. of drilling was working on junk. Drilling at 3490'.
- 11/12/91 Catwork charged involved pulling in casing truck and butane truck and location costs above previous estimate. TD expected at 10 a.m. today.
- 11/13/91 TD wells at 11:15 a.m., 11/12/91. Circulate, short trip, trip out of hole for logs. Rigged up Halliburton Logging Services. Log stopped at 3711'. Ran Induction, Neutron, Density logs out of hole. Hole sticky. Tripped in hole with drillpipe and collars. Work through bridges from 3711 to TD without circulation. Short trip. TOH for logs. Logs went to loggers TD of 4054'. Started logging P.C. interval. Logging tool got stuck at 3713'. Worked on tool. Pulled out of rope socket at 8300 lbs pull. Wait on Homco fishing tools. Rig up fishing tools.
- 11/14/91 Trip in hole with fishing tools. Tag fish at 3835, fish dropped to bottom. Circulate fill. Overshotted fish. Chain out of hole with fish (wet) laydown fish and fishing tools. Trip in hole with collars and drillpipe. Laydown drillpipe and collars. Ran 97 jts. of 4 1/2" 10.5#/ft. J-55 new Maverick casing as follows:

<u>Description</u>	<u>Length</u>	<u>Depth</u>
KB to landing point	14.00	0-14
49 jts. of 4 1/2" 10.5#/ft. J-55		

OPERATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRI ATTI*
(Other instruct on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.
701-90-0004
Jicarilla Contract

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Jicarilla

9. WELL NO.
30-3-28-1

10. FIELD AND POOL, OR WILDCAT
Basin Fruitland Coal

11. SEC., T., R., M., OR BLEK.
AND SURVEY OR AREA
Section 28, T 30 N, R 3 W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
OIL WELL GAS WELL OTHER
SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
Robert L. Bayless

3. ADDRESS OF OPERATOR
P.O. Box 168, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
1185' FSL & 790' FWL
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL
320

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH
4020'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, CR, or GR) This station is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.
7137' GL 7149' RKB

22. APPROX. DATE WORK WILL START*
ASAP

PROPOSED CASING AND CEMENTING PROGRAM

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED GENERAL REQUIREMENTS

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12-1/4"	8-5/8"	24.0#	120'
7-7/8"	4-1/2"	10.5#	4020'

QUANTITY OF CEMENT
90 sx Class B (106 ft ³)
500 sx assorted cements-see long-string cementing guidelines for details

Will drill 12-1/4" hole to 120' and set 120' of 8-5/8" 24.0 #/ft J-55 used casing, cementing with 106 ft³ Class B cement, circulated to surface. Will drill 7-7/8" hole to 4020' and run 4020' of 4-1/2" 10.5 #/ft J-55 new casing and cement as per attached longstring cementing guidelines. Circulating medium while drilling will be clear water, natural mud and waterloss control additives. No abnormal pressures or temperatures are anticipated. Will run Induction and Density Logs. Blowout preventer and safety equipment schematics are attached. The gas from this formation is not dedicated to a gas contract.

ESTIMATED TOPS:

Ojo Alamo	-	3144'
Kirtland	-	3384'
Fruitland	-	3424'
Pictured Cliffs	-	3659'
Total Depth	-	4020'

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Kevin H. McCord TITLE Petroleum Engineer DATE 8-24-90

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED AS AMENDED

APPROVED BY _____ TITLE _____

OPERATOR

APR 25 1991
James H. Kelly
AREA MANAGER

*See Instructions On Reverse Side

Jicarilla 464 SJ No. 8
SW/4 Section 29-30N-3W

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102

Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

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

OIL CONSERVATION DIVISION

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

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

AMENDED REPORT

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-26234-00-00		*Pool Code 97037	*Pool Name CABRISTO CANYON TERTIARY
*Property Code	*Property Name JICARILLA 464 SJ		*Well Number 8
*OGRM No. 13925	*Operator Name MALLON OIL COMPANY		*Elevation 7190'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	29	30-N	3-W		1844	SOUTH	1345	WEST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16 FD. U.S.G.L.O. BC. 1917 5572.8 N D-03-45 E 1345' 1844' 29 5562.2' N 29-33-44 E FD. U.S.G.L.O. BC. 1917	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature ROBERT BLAYLOCK Printed Name DISTRICT MANAGER Title 12/21/01 Date		
	18 SURVEYOR CERTIFICATION 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. 7-21 Date of Survey  Signature and Seal of Professional Surveyor 8894 Certificate Number		

CONFIDENTIAL

SUBMIT IN DUPLICATE
(See other instructions
on reverse side)

FORM APPROVED
OMB NO. 1004-0137

Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL
OIL WELL GAS WELL DRY OTHER

b. TYPE OF COMPLETION
NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF RESVR

2. NAME OF OPERATOR
Mallon Oil Company

3. ADDRESS AND TELEPHONE NO.
P. O. Box 2797 Durango, CO 81302 (970) 382-9100

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
At surface 1844' FSL and 1345' FWL (NE SW) Unit K

At top prod. interval reported below 1844' FSL and 1345' FWL (NE SW) Unit K

At total depth 1844' FSL and 1345' FWL (NE SW) Unit K

14. Permit No. N/A Date Issued N/A

15. DATE SPUDDED 11/5/99
16. DATE TD REACHED 11/8/99
17. DATE COMP (Ready to Prod.) 12/09/99
18. ELEVATION (DF, RKB, RT, GR, E) 7190'

20. TOTAL DEPTH, MD & TVD 2100'
21. PLUGBACK TD, MD & TVD 2026'
22. IF MULTIPLE COMPS HOW MANY* 23. INTERVALS DRILLED BY →

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
1600'-1606', 1613'-1626', 1634'-1642'

26. TYPE ELECTRIC AND OTHER LOGS RUN
DIL/SG, DSN/SDL

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24	237.42	12-1/4"	cmt 120 sxs Type 3 cmt	
4-1/2"	10.5	2095	6-3/4"	cmt 16 sxs to surface	
				cmt 300 sxs 50/50 poz	
				circ 37 sxs to surface	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N.A.					1.9	1587	N.A.

31. PERFORATION RECORD (Interval, size, and number)
1600'-1606', 1613'-1626', 1634'-1642'
2 JSPF (54 holes)

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
DEPTH INTERVAL (MD) 1600'-1642'
AMOUNT AND KIND OF MATERIAL USED
acidize 2000 gal 7-1/2% HCL acid
Frac 143 bbls gel, 36,390 SCF N2
17000 lbs 12/20 brady sand
10000 Super HT 12/20 Sand

33.* PRODUCTION
DATE FIRST PRODUCTION 12/10/99
PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing
WELL STAT (Producing or Shut In) Producing

DATE OF TEST 12/2/99 HOURS TESTED 24 CHOKE SIZE 3/8"
PROD'N FOR TEST PERIOD OIL - BBL 0 GAS - MCF 464 WATER - BBL 12 GAS-OIL RATIO N.A.

FLOW TBG PRESS 135 CASING PRESSURE 0 CALCULATED 24-HOUR RATE OIL - BBL 0 GAS - MCF 464 WATER - BBL 12 OIL GRAVITY - API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold TEST WITNESSED BY J. Angel

35. LIST OF ATTACHMENTS

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Christy Serrano (Christy Serrano) Production Secretary DATE 12-16-99

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

Title 18 U.S.C. 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

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ACCEPTED FOR RECORD

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries).

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	VERT DEPTH
				San Jose	1583'	
				Nacimiento		
				Ojo Alamo		
				Kirtland		
				Pictured Cliffs		
				Lewis		

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Form 3160-5
(JUNE 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other:		5. Lease Designation and Serial No.
2. Name of Operator Mallon Oil Company		6. If Indian, Allote or Tribe Name Jicarilla Apache Tribe
3. Address and Telephone No. P.O. Box 2797 Durango, CO 81302 (970)382-9100		7. If Unit or CA, Agreement Designation N/A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1844' FSL and 1345' FWL Sec. 29, T30N-R03W, Unit K		8. Well Name and No. Jicarilla 464 SJ No. 8
		9. Well API No. 30-039-26234
		10. Field and Pool, or Exploratory Area Cabresto Canyon; San Jose Ext.
		11. County or Parish, State Rio Arriba, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other: Spud Sundry	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)*

Mallon Oil Company spud the above referenced well on November 5, 1999 at 4:15 pm. Drilled 12-1/4" hole, 8-5/8" x 24 lb/ft surface casing was set @ 237.42. Cemented 120 sxs type 3 cmt. Circ 16 sxs to surface.

99 NOV 15 AM 10
ALBUQUERQUE
NEW MEXICO

14. I hereby certify that the foregoing is true and correct

Signed Christy Semano Title Production Clerk Date 11-15-99

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved B [Signature] Title P. C. Date 12/20/99

Conditions of approval, if any:

U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

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Form 3160-5
(JUNE 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

SUBMIT IN TRIPPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other:	5. Lease Designation and Serial No.
2. Name of Operator Mallon Oil Company	6. If Indian, Allote or Tribe Name Jicarilla Apache Tribe
3. Address and Telephone No. P.O. Box 2797 Durango, CO 81302 (970)382-9100	7. If Unit or CA, Agreement Designation N/A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1844' FSL and 1345' FWL Sec. 29, T30N-R03W, Unit K	8. Well Name and No. Jicarilla 464 SJ No. 8
	9. Well API No.
	10. Field and Pool, or Exploratory Area Cabresto Canyon; San Jose Ext.
	11. County or Parish, State Rio Arriba, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other: TD Change	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)*

Mallon Oil Company would like to request an amendement to the APD for the above referenced well. Mallon Oil Company would like to change the Total Depth to 2100'.

14. I hereby certify that the foregoing is true and correct

Signed Christy Serrano Title Production Clerk Date 10-27-99

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved B _____ Title _____ Date _____
Conditions of approval, if any:

U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

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Form 160-3
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
Drill Deepen

b. TYPE OF WELL
Oil Well Gas Well Other Single Zone Multiple Zone

5. LEASE DESIGNATION AND SERIAL NO.
JIC 464

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME
N/A 24939

2. NAME OF OPERATOR
Mallon Oil Company 13925

8. FARM OR LEASE NAME, WELL NO.
Jicarilla 464 SJ No.8

3. ADDRESS AND TELEPHONE NO.
P.O. Box 2797
Durango, CO 81302 (970) 382-9100

9. API WELL NO.
30-039-26234

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 1844' FSL and 1345' FWL (NE/SW) Unit K

10. FIELD AND POOL, OR WILDCAT
Cabresto Canyon, San Jose ext. 96822

At proposed prod. zone 1844' FSL and 1345' FWL (NE/SW) Unit K

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
Sec. 29, T30N-R03W

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE *
51 miles east of Bloomfield, New Mexico

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

15. DISTANCE FROM PROPOSED *
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
3729'
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE
2,393

17. NO. OF ACRES ASSIGNED
TO THIS WELL
178 177.31

18. DISTANCE FROM PROPOSED LOCATION *
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.
100'

19. PROPOSED DEPTH
1800'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (SHOW WHETHER OF, RT, GR, Etc.)
7190' GR

22. APPROX. DATE WORK WILL START
08/01/99

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	160-500'	Circulate to surface
7-7/8"	4-1/2"	14.7#	1800'	300 sks 50/50 Poz w/additives

Mallon Oil Co. proposes to drill this well to an approximate TD of 1800' in the San Jose formation. This well is placed on an existing well pad. Some additional pad extension may be required. The Jicarilla Oil and Gas Administration has waived any necessity of re-onsiting the well pad as long as any required archaeology survey is submitted. Environmental assessment was previously submitted under the initial well APD. If productive, 4-1/2" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with Federal regulations. Specific programs as per on-shore Oil and Gas Order No. 1 are outlined in the following attachments:

- Drilling Program
- Exhibit 1: Blow Out Preventor Equipment/Plan
 - Exhibit A: Location and Elevation Plat
 - Exhibit B: Roads and Pipelines
 - Exhibit C: One Mile Radius Map

- Exhibit D: Drilling Site Layout
- Exhibit E: Production Facilities
- Exhibit F: H2S Contingency Plan
- Exhibit G: Archaeology Report

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.
SIGNED: Jerry Lindeman TITLE: Operations Superintendent DATE: 07/05/99

(This space for Federal or State office use)
PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY: cement will be circulated to surface.

APPROVED BY: Jean R Resnick TITLE: Asst Field Mgr DATE: SEP 24 1999

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NSL-4355 (2)

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DIST. 3

RECEIVED
ALBUQUERQUE, N.M.
JUL 29 PM 3:21

Jicarilla 464 No. 8
SW/4 Section 29-30N-3W

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5. LEASE DESIGNATION AND SERIAL NO
Jic 464

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME, WELL NO
Jicarilla 464 No. 8

9. API WELL NO
30-039-24253

10. FIELD AND POOL, OR WILDCAT
Cabresto Canyon: Ojo Alamo Ext

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 29, T30N-R3W

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

a. TYPE OF WELL OIL WELL GAS WELL DRY OTHER _____

b. TYPE OF COMPLETION
NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF RESVR **98 APR 28 AM 11:30**
Recompletion

2. NAME OF OPERATOR
Mallon Oil Company

3. ADDRESS AND TELEPHONE NO
P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
At surface **1850' FSL, 1450' FWL (NE SW) Unit K**
At top prod interval reported below **1850' FSL, 1450' FWL (NE SW) Unit K**
At total depth **1850' FSL, 1450' FWL (NE SW) Unit K**

14. PERMIT NO. **N/A** DATE ISSUED **N/A**

15. DATE SPUNDED **10/10/88** 16. DATE TD REACHED **10/15/88** 17. DATE COMP (Ready to Prod.) **1/28/98** 18. ELEVATION (DF, RKB, RT, GR, ET) **7197' GL** 19. ELEV. CASINGHEAD **N/A**

20. TOTAL DEPTH, MD & TVD **4200'** 21. PLUGBACK TD, MD & TVD **3690'** 22. IF MULTIPLE COMPLETIONS, HOW MANY* **N/A** 23. INTERVALS DRILLED BY **→** ROTARY TOOLS **Yes** CABLE TOOLS **N/A**

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*)
3256'-3308' Ojo Alamo

25. WAS DIRECTIONAL SURVEY MADE **N/A**

26. TYPE ELECTRIC AND OTHER LOGS RUN **Existing** 27. WAS WELL CORED **N/A**

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT	CEMENTING RECORD	AMOUNT PULLED
Existing						

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)
N/A				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	3092'	3093'

31. PERFORATION RECORD (Interval, size, and number)
3256'-3308' 4 jsfp 208 holes
CIBP 3690'

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3256'-3308'	2500 gals of 7-1/2 % acid frac 58,000 lbs sand

33. PRODUCTION

DATE FIRST PRODUCTION **1/28/98** PRODUCTION METHO (Flowing, gas lift, pumping - size and type of pump) **Flowing** WELL STAT (Producing or Shut In) **Producing**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
1/26/98	24	3/8"	→	0	1492	30	N/A

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)
460	0	→	0	1492	30	N/A

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Sold** TEST WITNESSED BY **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 H. J. [Signature] Production Analyst DATE 4/20/98

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

CONFIDENTIAL

37. SUMMARY OF POROUS ZONES (Show all important zones of porosity and content; thereof; cored intervals; and all drill-stem tests, including depth intervals tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUS VERT. DEPTH
				Ojo Alamo	3244'	
				Kirtland	3488'	
				Fruitland	3652'	
				Pictured Cliffs	3771'	
				Lewis	3865'	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved,
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR
Robert L. Bayless

3. ADDRESS OF OPERATOR
P.O. Box 168, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1850' FSL & 1450' FWL
At top prod. interval reported below same
At total depth same

14. PERMIT NO. _____ DATE ISSUED _____

15. DATE SPUDDED 10/10/88 16. DATE T.D. REACHED 10/15/88 17. DATE COMPL. (Ready to prod.) 11/25/88 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 7197' GL; 7209' RKB 19. ELEV. CASINOHEAD _____

20. TOTAL DEPTH, MD & TVD 4200' 21. PLUG, BACK T.D., MD & TVD 4147' 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS 0 - TD CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Pictured Cliffs 3778 - 4043

25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN IEL - FDC - CNL

27. WAS WELL CORED No

5. LEASE DESIGNATION AND SERIAL NO.
Jicarilla Contract 464

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache Tribe

7. UNIT AGREEMENT NAME _____

8. FARM OR LEASE NAME
Jicarilla 464

9. WELL NO.
8

10. FIELD AND POOL, OR WILDCAT
East Blanco P.C.

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Section 29, T30N, R3W

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

CASING RECORD (Report all strings set in well)

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24.0#/ft	140' KB	12-1/4"	145 sx (171 ft ³) Class B w/2% CaCl ₂	
4-1/2"	10.5#/ft	4187' KB	7-7/8"	100 sx (206 ft ³) Class B w/2% Econolite & 1/4# flocele/sx; 175 sx (221 ft ³) 50/50 pozmix w/2% gel, 10% salt	1/4# flocele/sx

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	4023' KB	none

31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
1 JSPF:	(P.C. w/3-1/8" gun)	2 JSPF:	holes	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3778-3802	- 25 holes	3962-3966	- 9 holes	3778 - 4043	500 gal. 7 1/2% DI weighted HCL acid w/96 l.l s.g. RCN ball sealers; 88,500 gal. 70 quality foam w/77,000# 20-40 sand
3805-3821	- 17 holes	4006-4013	- 15 holes		
3829-3840	- 12 holes	4018-4022	- 9 holes		
3842-3851	- 10 holes	4025-4029	- 9 holes		
		4037-4043	- 13 holes (.34" diameter)		

33. PRODUCTION							
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)	995,000 SCF nitrogen				
12/5/88	flowing	producing					
DATE OF TEST	HOURS TESTED	CHOKED SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12/4/88	3	3/4"	→	-0-	316	-0-	N/A
FLOW. TUBING PRESS.	CASINO PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
150	520	→	-0-	2524	-0-	N/A	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
vented

TEST WITNESSED BY
David Ball

LIST OF ATTACHMENTS

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

SIGNED Kevin H. McCord TITLE Petroleum Engineer DATE 12/19/88

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

RECEIVED DEC 22 1988

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	3253	3489	water	Ojo Alamo	3253	same
Kirtland	3489	3727	water	Kirtland	3489	same
Fruitland Coal	3727	3770	water	Fruitland Coal	3727	same
Pictured Cliffs	3770	4200	natural gas	Pictured Cliffs	3770	same

Jicarilla 464 SJ No. 7
NW/4 Section 29-30N-3W

DISTRICT I
P.O. Box 1900, Hobbs, N.M. 88241-1900

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

AMENDED REPORT

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAN

*API Number		*Pool Code 96822	*Pool Name Cabresto Canyon; San Jose ext.	
*Property Code	*Property Name JICARILLA 484 SJ 7			*Well Number 2
*GRID No.	*Operator Name MALLON OIL COMPANY			*Elevation 7240'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	29	30-N	3-W		1282	NORTH	1152	WEST	RIO ARRIBA

¹¹ Bottom Hole Location if Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
*Dedicated Acres 169			*Joint or Infill		*Consolidation Code		*Order No.		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SEC. CORNER FD. U.S.O.L.D. BC. 1917 N 80-58-21 E 2638.5' (M) QTR. SEC. CORNER FD. U.S.O.L.D. BC. 1917	1282' JIC. 484 SJ #7 1182' JIC. 484 SJ #2 WELL FLAG	29	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature: <u>Terry Lindeman</u> Printed Name: Terry Lindeman Title: Operations Superintendent Date: January 24, 2000
SEC. CORNER FD. U.S.O.L.D. BC. 1917			

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See other sections
on reverse side)

FORM APPROVED
OMB NO. 1004-0137

Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.

JIC 464

1. TYPE OF WELL
OIL WELL GAS WELL DRY OTHER _____

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

b. TYPE OF COMPLETION
NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF RESVR

7. UNIT AGREEMENT NAME

N/A

2. NAME OF OPERATOR
Mallon Oil Company

8. FARM OR LEASE NAME, WELL NO.

Jicarilla 464 SJ No. 7

3. ADDRESS AND TELEPHONE NO.
999 - 18th St., Suite 1700, Denver, CO 80202 303-293-2333

9. API WELL NO.

30-039-26244

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
At surface 1177' FNL and 1116' FWL (NW NW), Unit D

10. FIELD AND POOL, OR WILDCAT

Cabresto Canyon, San Jose

At top prod. interval reported below 1177' FNL and 1116' FWL (NW NW), Unit D
At total depth 1177' FNL and 1116' FWL (NW NW), Unit D

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 29-T30N-R03W

14. Permit No. N/A Date Issued N/A
12. COUNTY OR PARISH Rio Arriba 13. STATE NM

15. DATE SPUNDED 11/25/99 16. DATE TD REACHED 11/28/99 17. DATE COMP (Ready to Prod.) 12/19/99 18. ELEVATION (DF, RKB, RT, GR, ET) 7243' 19. ELEV. CASINGHEAD 7244'

20. TOTAL DEPTH, MD & TVD 2100' 21. PLUGBACK TD, MD & TVD 2054' 22. IF MULTIPLE COMPLETIONS, HOW MANY? N/A 23. INTERVALS DRILLED BY → ROTARY TOOLS Yes CABLE TOOLS

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD) 1701'-1720', Cabresto Canyon, San Jose 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN GR-CCL 27. WAS WELL CORED No

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	238.17'	12-1/4"	cmt 130 sx Type 3 cmt	
				circ 26 sxs to surface	
4-1/2"	11.60#	2099.78'	6-3/4"	cmt 300 sx Type 3 cmt	
				circ 37 sx to surface	

LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)
N.A.				

TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	1696.79'	

31. PERFORATION RECORD (Interval, size, and number)

1701'-1720', 2 JSPF (38 holes)
Cabresto Canyon, San Jose

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1701'-1720'	acidize 150 gal 7-1/2" HCL frac 200# 12/20 Brady sand with 4000# 8/14 Flex sand

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)	WELL STATUS (Producing or Shut In)					
N/A		Shut In					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
12/21/99	24	3/8"	→	0	200	24	N/A
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)	
50	0	→	0	200	24	N/A	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Shut In

TEST WITNESSED BY D. Stagner

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 Linda O. Wilkins (Linda Wilkins) Engineering Technician DATE 3/23/00

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recovery).

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT DEPTH
				L. San Jose	1625'	

CONFIDENTIAL

Form 3160-5
(Rev. 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or, to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

SUBMIT IN TRIPPLICATE

1. Type of Well

Oil Well Gas Well Other:

2. Name of Operator

Mallon Oil Company

3. Address and Telephone No.

P.O. Box 2797 Durango, CO 81302 (970)382-9100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1177' FNL and 1116' FWL (NW NW) Unit D
Sec. 29, T30N-R03W

5. Lease Designation and Serial No.
Jic 464

6. If Indian, Allote or Tribe Name
Jicarilla Apache Tribe

7. If Unit or CA, Agreement Designation
N/A

8. Well Name and No.
Jicarilla 464 SJ No. 7

9. Well API No.
30-039-26244

10. Field and Pool, or Exploratory Area
Cabresto Canyon; San Jose Ext.

11. County or Parish, State
Rio Arriba, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other: Spud
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)

Mallon Oil Company spud the above referenced well on November 25, 1999 at 10:00pm.
Drilled 12-1/4" hole, 8-5/8" x 24 lb/ft surface casing was set at 238'. Cemented 130 sxs Type 3 cmt, circulated 26 sxs to surface.

RECORDED
INDEXED
NOV 25 1999
BUREAU OF LAND MANAGEMENT

14. I hereby certify that the foregoing is true and correct

Signed Christy Semano

Title Production Clerk

Date 12-1-99

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved B [Signature]

Title Petro. Eng.

Date 12/15/99

Conditions of approval, if any:

18 U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

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CONFIDENTIAL

Form 3100-2
(JUNE 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004 0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

5. Lease Designation and Serial No.
Jic 464

6. If Indian, Allotee or Tribe Name
Jicarilla Apache Tribe

7. If Unit or CA, Agreement Designation
N/A

8. Well Name and No.
Jicarilla 464 SJ No. 7

9. Well API No.

10. Field and Pool, or Exploratory Area
Cabresto Canyon; San Jose Ext.

11. County or Parish, State
Rio Arriba, New Mexico

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other:

2. Name of Operator
Mallon Oil Company

3. Address and Telephone No.
P.O. Box 2797 Durango, CO 81302 (970)382-9100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1177' FNL and 1116' FWL
Sec. 29, T30N-R03W Unit D

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other: TD Change
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form)

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)

Mallon Oil Company would like to request an amendement to the APD for the above referenced well. Mallon Oil Company would like to change the Total Depth to 2100'.

10
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14. I hereby certify that the foregoing is true and correct

Signed Christy Semano

Title Production Clerk

Date 12-1-99

(THIS SPACE IS FOR FEDERAL OR STATE OFFICE USE)

Approved By [Signature]

Title Petro. Eng

Date 12/15/99

Conditions of approval, if any:

U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as matter within its jurisdiction.

*See Instruction on Reverse Side

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

FORM APPROVED
Budget Bureau No. 1004 0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other:

2. Name of Operator

Mallon Oil Company

3. Address and Telephone No.

P.O. Box 2797 Durango, CO 81302 (970)382-9100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**1204' FNL and 1267' FWL
Sec. 29, T30N-R03W Unit D**

5. Lease Designation and Serial No.

6. If Indian, Allote or Tribe Name
Jicarilla Apache Tribe

7. If Unit or CA, Agreement Designation
N/A

8. Well Name and No.
Jicarilla 464 SJ No. 7

9. Well API No.

10. Field and Pool, or Exploratory Area
Cabresto Canyon; San Jose Ext.

11. County or Parish, State
Rio Arriba, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other: Footage Change
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)*

Mallon Oil Company requests a footage change of the well bore to

1177' FNL and 1116' FWL

The new wellbore is still located on the original pad, but was moved to avoid underground pipelines that pass through the existing well pad. As before there will be no new surfaces disturbance.

RECORDED 11-16-99

14. I hereby certify that the foregoing is true and correct

Signed *Christy Senando*

Title Production Clerk

Date 11-16-99

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved B *[Signature]*

Title *[Signature]*

Date 11/22/99

Conditions of approval, if any:

Title 18 U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

CONFIDENTIAL

CONFIDENTIAL

Form 3160-3
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE
(Other instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
 Drill Deepen

b. TYPE OF WELL
 Oil Well Gas Well Other Single Zone Multiple Zone

5. LEASE DESIGNATION AND SERIAL NO.
JIC 464

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME
N/A 24939

2. NAME OF OPERATOR
Mallon Oil Company

8. FARM OR LEASE NAME, WELL NO.
Jicarilla 464SJ No. 7

3. ADDRESS AND TELEPHONE NO.
P.O. Box 2797
Durango, CO 81302 (970) 382-9100

9. API WELL NO.
30-039-26244

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 1204' FNL and 1267' FWL (NW/NW) Unit D
At proposed prod. zone 1204' FNL and 1267' FWL (NW/NW) Unit D

10. FIELD AND POOL, OR WILDCAT
Cabresto Canyon, San Jose ext.

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
50 miles east of Bloomfield, New Mexico

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
1204'

16. NO. OF ACRES IN LEASE
2,393

17. NO. OF ACRES ASSIGNED TO THIS WELL
169 160

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
100'

19. PROPOSED DEPTH
1800'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (SHOW WHETHER DF, RT, GR)
7243' GR

22. APPROX. DATE WORK WILL START
08/15/99

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	500'	Circulate to surface
7-7/8"	4-1/2"	14.7#	1800'	300 sks 50/50 Poz w/additive

Mallon Oil Co. proposes to drill this well to an approximate TD of 1800' in the San Jose formation. This well is placed on an existing well pad. Some additional pad extension may be required. The Jicarilla oil and Gas Administration has waived any necessity of re-onsiting the well pad as long as any required archaeology survey is submitted. Environmental assessment was previously submitted under the initial well APD. If productive, 4-1/2" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with Federal regulations. Specific programs as per on-shore Oil and Gas Order No. 1 are outlined in the following attachments:

- Drilling Program**
- Exhibit 1: Blow Out Preventor Equipment/Plan
 - Exhibit A: Location and Elevation Plat
 - Exhibit B: Roads and Pipelines
 - Exhibit C: One Mile Radius Map
 - Exhibit D: Drilling Site Layout
 - Exhibit E: Production Facilities
 - Exhibit F: H2S Contingency Plan
 - Exhibit G: Archaeology Report

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED: Terry Lindeman TITLE: Operations Superintendent DATE: 07/16/99

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY: Attached
 APPROVED BY: [Signature] TITLE: Acting Dist Field Mgr. DATE: 11/22/99

*See Instructions On Reverse Side

18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONFIDENTIAL

Jicarilla 464 No. 7
NW/4 Section 29-30N-3W

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

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

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

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

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

AMENDED REPORT

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-24301-00-00		² Pool Code 97037	³ Pool Name CABRISTO CANYON TERTIARY
⁴ Property Code 204169	⁵ Property Name JICARILLA 464		⁶ Well Number 7
⁷ GRID No. 13925	⁸ Operator Name MALLON OIL COMPANY		⁹ Elevation 7242'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	29	30-N	3-W		1190	NORTH	1194	WEST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres: 160
¹³ Joint or Infill:
¹⁴ Consolidation Code:
¹⁵ Order No.:

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

U.S.G.L.O. C. 1917 1190' 1194' 5572.72' N 0-03-45 E FD. U.S.G.L.O. BC. 1917	S 89-58-21 W 2636.5' FD. U.S.G.L.O. BC. 1917	29	<p>17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Robert Blaylock</i> Signature ROBERT BLAYLOCK Printed Name DISTRICT MANAGER Title 12/6/01 Date</p>
	<p>18 SURVEYOR CERTIFICATION 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 belief</p> <p>8-1 Date of Survey Signature and Title of Professional Surveyor 8894 Certificate Number</p> 		

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See other instructions
on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

a. TYPE OF WELL OIL WELL GAS WELL DRY OTHER _____
 b. TYPE OF COMPLETION NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF RESVR OTHER Recompletion

2. NAME OF OPERATOR: Mallon Oil Company

3. ADDRESS AND TELEPHONE NO. P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
 At surface 1190' FNL and 1190' FWL (NW/NW), Unit D
 At top prod. interval reported below 1190' FNL and 1190' FWL (NW/NW), Unit D
 At total depth _____

14. PERMIT NO. N/A DATE ISSUED N/A

5. LEASE DESIGNATION AND SERIAL NO. Jic464

6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache

7. UNIT AGREEMENT NAME N/A

8. FARM OR LEASE NAME, WELL NO. Jicarilla 464 No. 7

9. API WELL NO. 30-039-24301

10. FIELD AND POOL, OR WILDCAT Cabresto Canyon, Ojo Alamo Ext.

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 29, T30N-R03W

12. COUNTY OR PARISH Rio Arriba 13. STATE NM

15. DATE SPUNDED 11/26/88 16. DATE TD REACHED 12/1/88 17. DATE COMP (Ready to Prod.) 1/21/98 18. ELEVATION (DF, RKB, RT, GR, ET) 7238' 19. ELEV. CASINGHEAD 7239'

20. TOTAL DEPTH, MD & TVD 4215' 21. PLUGBACK TD, MD & TVD 3701' 22. IF MULTIPLE COMP., HOW MANY* N/A 23. INTERVALS DRILLED BY → ROTARY TOOLS Yes CABLE TOOLS N/A

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 3286' - 3334' Cabresto Canyon, Ojo Alamo Ext. 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN _____ 27. WAS WELL CORED No

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
<u>Existing</u>					

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT * SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	
<u>N/A</u>				<u>1.9</u>	<u>3151'</u>	<u>3152'</u>	

31. PERFORATION RECORD (interval, size, and number) 3286' - 3334' 4 jspf (192 holes)
CIBP 3701' Cabresto Canyon, Ojo Alamo Ext.

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
 DEPTH INTERVAL (MD) 3286-3334'
 AMOUNT AND KIND OF MATERIAL USED 3300 gals acid frac 36,600 lbs. Sand

33. PRODUCTION

DATE FIRST PRODUCTION <u>1/22/98</u>	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) <u>Flowing</u>	WELL STATUS (Producing or Shut In) <u>Producing</u>					
DATE OF TEST <u>1/17/98</u>	HOURS TESTED <u>24</u>	CHOKE SIZE <u>3/8"</u>	PROD'N FOR TEST PERIOD <u>→</u>	OIL - BBL <u>0</u>	GAS - MCF <u>2074</u>	WATER - BBL <u>20</u>	GAS-OIL RATIO
FLOW TBG PRESS <u>645</u>	CASING PRESSURE <u>0</u>	CALCULATED 24-HOUR RATE <u>→</u>	OIL - BBL <u>0</u>	GAS - MCF <u>2074</u>	WATER - BBL <u>15</u>	OIL GRAVITY - API (CORR.) <u>N/A</u>	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold TEST WITNESSED BY Kisor

35. LIST OF ATTACHMENTS _____

ACCEPTED FOR RECORD

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

SIGNED Christy Serrano Production Secretary DATE 10-17-98

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

RECEIVED FEB 28 1989

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR
Robert L. Bayless

3. ADDRESS OF OPERATOR
P.O. Box 168, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1190' FNL & 1190' FWL
At top prod. interval reported below same
At total depth same

14. PERMIT NO. _____ DATE ISSUED _____

15. DATE SPUNDED 11/26/88 16. DATE T.D. REACHED 12/1/88 17. DATE COMPL. (Ready to prod.) 1/25/89

18. ELEVATIONS (OF. RKB, RT, GR, ETC.)* 7238' GL 7250' RKB

20. TOTAL DEPTH, MD & TVD 4215' 21. PLUG, BACK T.D., MD & TVD 4116'

22. IF MULTIPLE COMPL. HOW MANY* _____ 23. INTERVALS DRILLED BY → 0 - TD

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Pictured Cliffs 3815' - 3897'

26. TYPE ELECTRIC AND OTHER LOGS RUN
IEL-CNL-FDC-GR-CLL

27. WAS WELL COBED
No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24.0#/ft	139' KB	12 1/4"	130 sx (153 ft ³) Class B w/2% CaCl ₂	
4 1/2"	10.5#/ft	4176' KB	7 7/8"	200 sx (412 ft ³) Class B w/2% Econolite 1/4# flocele/sx; 175 sx (221 ft ³) 50/50 pozmix w/2% gel, 10% salt, 1/4# flocele/sx	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/2"	3868'	none

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	HOLES	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Pic. Cliffs w 3-1/8" gun - 2 JSPF			
3815-3818 - 7 holes	3851-3858 - 15 holes	3815-3897	500 gal. 7 1/2% weighted DI HCL acid w/149 l.l s.g. RCN ball sealers; 75,000 gal. 70 quality foam w/100,000# 20-40 sand
3821-3828 - 15 holes	3868-3876 - 17 holes		
3831-3841 - 21 holes	3891-3897 - 13 holes		
3843-3848 - 11 holes	(.34" diameter)		

33.* PRODUCTION 873,300 SCF nitrogen
DATE FIRST PRODUCTION 2/17/89 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) flowing WELL STATUS (Producing or shut-in) producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
2/14/89	3	3/4"	→	-0-	304	-0-	N/A
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
144	1100	→	-0-	2428	-0-	N/A	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) vented TEST WITNESSED BY David Ball

LIST OF ATTACHMENTS

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

SIGNED Robert L. Bayless TITLE Operator DATE 2/22/89

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	3278	3518	water	Ojo Alamo	3278	same
Kirtland	3518	3760	water	Kirtland	3518	same
Fruitland Coal	3760	3814	water, natural gas	Fruitland Coal	3760	same
Pictured Cliffs	3814	4215	natural gas	Pictured Cliffs	3814	same

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
 DRILL DEEPEN PLUG BACK
 2. TYPE OF WELL
 OIL WELL OAR WELL OTHER
 2. NAME OF OPERATOR
 Robert L. Bayless
 3. ADDRESS OF OPERATOR
 P.O. Box 168, Farmington, NM 87499
 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface 1190' FNL & 1190' FWL
 At proposed prod. zone same
 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

5. LEASE DESIGNATION AND SERIAL NO.
 Jicarilla Contract 464
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 Jicarilla Apache Tribe
 7. UNIT AGREEMENT NAME
 8. FARM OR LEASE NAME
 Jicarilla 464
 9. WELL NO.
 7
 10. FIELD AND POOL OR WILDCAT
 Wildcat
 11. SEC., T., R., M., OR B.L.E. AND SURVEY OR AREA
 Sec. 29, T30N, R3W
 12. COUNTY OR PARISH 13. STATE
 Rio Arriba NM

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 16. NO. OF ACRES IN LEASE
 Approx. 2410 irregular sections
 17. NO. OF ACRES ASSIGNED TO THIS WELL
 160
 18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 19. PROPOSED DEPTH
 4265'
 20. ROTARY OR CABLE TOOLS
 0 - TD
 21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 7238' GL 7250' RKB
 22. APPROX. DATE WORK WILL START*
 6/1/88

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.

23. DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9-7/8"	7-5/8"	26.4#	125'	71 ft ³ - 252 ft ³

Gas produced from this well may not be vented or flared beyond an initial, authorized test period of * days or 50 MMcf following its (completion) (recompletion), whichever first occurs, without the prior, written approval of the authorized officer. Should gas be vented or flared without approval beyond the test period authorized above, you may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted, and you shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

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* 30 days, unless a longer test period specifically is approved by the authorized officer. The 30 day period begins when the casing is FIRST perforated for cased holes, and when Total Depth (TD) is reached for open hole completion.

new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Kevin H. McCord TITLE Petroleum Engineer DATE 5/16/88
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 PROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

APPROVED
AS AMENDED
SEP 19 1988
[Signature]
AREA MANAGER

OPERATOR

*See Instructions On Reverse Side

Jicarilla 30-03-34 SJ No. 4
SE/4 Section 34-30N-3W

DISTRICT I
1626 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000

DISTRICT II
811 South First, Artesia, N.M. 88210

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

DISTRICT III
1600 Rio Brazos Rd., Aztec, N.M. 87410

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

AMENDED REPORT

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-26326-00-00		² Pool Code 97037	³ Pool Name CABRISTO CANYON TERTIARY
⁴ Property Code 26367	⁵ Property Name JICARILLA 30-3-34 SJ		⁶ Well Number 4
⁷ OGRID No. 13925	⁸ Operator Name MALLON OIL COMPANY		⁹ Elevation 7258'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	34	30-N	3-W		2039	SOUTH	1977	EAST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>14</p>	<p>SEC. CORNER FD. MARKED STONE</p>	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>[Signature]</i></p> <p>Signature</p> <p>ROBERT BLAYLOCK</p> <p>Printed Name</p> <p>DISTRICT MANAGER</p> <p>Title</p> <p>12/6/01</p> <p>Date</p>
	<p>SEC. CORNER FD. MARKED STONE</p>	<p>18 SURVEYOR CERTIFICATION</p> <p>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 belief.</p> <p>10-12-01</p> <p>Date of Survey</p> <p><i>[Signature]</i></p> <p>Signature and Seal of Professional Surveyor</p> <p>ROY A. RUSH NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR 8894</p> <p>8894</p> <p>Certificate Number</p>

CONFIDENTIAL

FD-3160-5
(MAY 1997)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1014-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other:		5. Lease Designation and Serial No. MDA 701-98-0013
2. Name of Operator Mallon Oil Company		6. If Indian, Allottee or Tribe Name Jicarilla Apache Tribe
3. Address and Telephone No. P.O. Box 2797 Durango, CO 81302 (970)382-9100		7. If Unit or CA, Agreement Designation N/A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2039' FSL and 1977' FEL (NW/SE) Unit J Sec. 34, T30N-R03W		8. Well Name and No. <i>JU</i> Jicarilla 30-03-34 No. 4
		9. Well API No. <i>30-039-26324</i>
		10. Field and Pool, or Exploratory Area E. Blanco; Pictured Cliffs
		11. County or Parish, State Rio Arriba, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other: Spud <input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water
<small>(Note: Report results of multiple completions on Well Completion or Recompletion Report and Log form)</small>	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)*

Mallon Oil Company spud the above referenced well on 1-28-00 at 10:00 pm. Drilled 12-1/4' hole, 8-5/8" x 24 lb/ft surface casing was set at 256'. Cemented 140 sxs Type 3 cmt, circulated 40 sxs to surface.

14. I hereby certify that the foregoing is true and correct
Signed Christy Sorramo Title Production Clerk Date 2-3-00

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)
Approved By Patricia M. [Signature] Title Lands and Mineral Resources Date 2-23-00

Conditions of approval, if any:

18 U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

CONFIDENTIAL

CONFIDENTIAL

Form 3160-5
(JUNE 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other:

2. Name of Operator

Mallon Oil Company

3. Address and Telephone No.

P.O. Box 2797 Durango, CO 81302 (970)382-9100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2039' FSL and 1977' FEL (NW/SE) Unit J
Sec. 34, T30N-R03W

5. Lease Designation and Serial No.

6. If Indian, Allotee or Tribe Name
Jicarilla Apache Tribe

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.
Jicarilla 30-03-34 No. 4

9. Well API No.

10. Field and Pool, or Exploratory Area

E. Blanco; Pictured Cliffs

11. County or Parish, State

Rio Arriba, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other: APD Amendment
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)

Mallon proposes to change the surface casing depth to 250 ft with cement circulated to surface. Mallon Oil Company feels that 250ft of surface casing will be more then adequate to protect any shallow water aquifers. Previous wells drilled by Robert L. Bayless in the East Blanco field utilized surface casing depths from 110'-160'. In the past year through our drilling program we have not encountered any water through or below these depths.

We would also like to request a Total Depth change from 4500' to 2100'. Also Mallon would like to change the production casing form 5-1/2" to 4-1/2".

14. I hereby certify that the foregoing is true and correct

Signed Christy Soriano

Title Production Clerk

Date 1-24-00

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved B [Signature]

Title Petroleum Eng.

Date 01-25-00

Conditions of approval, if any:

Title 18 U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE
(Other instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
Drill Deepen

b. TYPE OF WELL
Oil Well Gas Well Other
Single Zone Multiple Zone

5. LEASE DESIGNATION AND SERIAL NO.
MDA 701-98-0013

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache

7. UNIT AGREEMENT NAME
N/A

2. NAME OF OPERATOR
Mallon Oil Company

8. FARM OR LEASE NAME AND WELL NO.
Jicarilla 30-3-34 #4

3. ADDRESS AND TELEPHONE NO.
P.O. Box 2797
Durango, Colorado 81302 (970) 382-9100

9. API WELL NO.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 2039' FSL and 1977' FEL ((NW/SE) Unit J
At proposed prod. zone 2039' FSL and 1977' FEL (NW/SE) Unit J

10. FIELD AND POOL, OR WILDCAT
E. Blanco, Pictured Cliffs

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
Sec. 34, T30N-R03W

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE *
54 miles east of Bloomfield, New Mexico

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

15. DISTANCE FROM PROPOSED *
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
2039'
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE
39,360

17. NO. OF ACRES ASSIGNED
TO THIS WELL
159

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.
2800'

19. PROPOSED DEPTH
4500'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (SHOW WHETHER DF, RT, GR, Etc.)
7258' GR

22. APPROX. DATE WORK WILL START
12/01/99

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	250'	Circulate to surface 205 cf
7-7/8"	5-1/2"	15.5#	4500'	570 sks 1175 cf

Mallon Oil Company proposes to drill to a depth sufficient to test the Pictured Cliffs formation. If productive, 5-1/2" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with Federal regulations. Specific programs as per on-shore Oil and Gas Order No. 1 are outlined in the following attachments:

Drilling Program

- Exhibit 1: Blow Out Preventer Equipment/Plan
- Exhibit A: Location and Elevation Plat
- Exhibit B: Roads and Pipelines
- Exhibit C: One Mile Radius Map
- Exhibit D: Drilling Site Layout
- Exhibit E: Production Facilities
- Exhibit F: H2S Contingency Plan
- Exhibit G: Environmental Assessment

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: Terry Lindeman TITLE: Operations Superintendent DATE: 11/01/99

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY: Attached

APPROVED BY: S.W. Adams TITLE: Asst Field Manager DATE: 01-20-00

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN DUPLICATE
(See other instructions
on reverse side)

FORM APPROVED
OMB NO. 1004-0137

Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

a. TYPE OF WELL
 OIL WELL GAS WELL DRY OTHER _____

b. TYPE OF COMPLETION
 NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF RESVR

5. LEASE DESIGNATION AND SERIAL NO.
MDA 7-1-98-0013

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache Tribe

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME, WELL NO.
Jicarilla 30-03-34 SJ No. 4

9. API WELL NO.
30-039-26326

10. FIELD AND POOL, OR WILDCAT
East Blanco; San Jose

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 34, T30N, R03W

2. NAME OF OPERATOR
Mallon Oil Company

3. ADDRESS AND TELEPHONE NO.
P. O. Box 2797, Durango, CO 81302 (970) 382-9100

4. LOCATION OF WELL
*(Report location clearly and in accordance with any State requirements *)*
 At surface **2039' FSL and 1977' FEL (NW/SE) Unit J**
 At top prod. interval reported below **2039' FSL and 1977' FEL (NW/SE) Unit J**
 At total depth _____

12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

15. DATE SPUDDED **1/28/00** 16. DATE TD REACHED **2/2/200** 17. DATE COMP (Ready to Prod.) **2/24/00** 18. ELEVATION (DF, RKB, RT, GR, ET) **7258'** 19. ELEV. CASINGHEAD **7259'**

20. TOTAL DEPTH, MD & TVD **2100'** 21. PLUGBACK TD, MD & TVD **1956'** 22. IF MULTIPLE COMPS, HOW MANY* **N/A** 23. INTERVALS DRILLED BY **→** ROTARY TOOLS **Yes** CABLE TOOLS **N/A**

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)
1648'-1674', 1784'-1794', 1800'-1806', East Blanco, San Jose Ext.

25. WAS DIRECTIONAL SURVEY MADE
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
GR-HRI, GR-SDL-DSN

27. WAS WELL CORED
N/A

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24 lb	256'	12 1/4"	Cmt with 140 sxs Type 3, circ 40 sxs to pit.	
4-1/2"	11.6 lb	2082'	7-7/8"	Cmt with 325 sxs Poz/ circ 53 sxs to pit.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)
N/A				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
1.9"	1648'	

31. PERFORATION RECORD
(Interval, size, and number)
1648'-1674', 1784'-1794', 1800'-1806'
2 JSPF

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1648'-1806'	Acidize with 1200 gal 7-1/2% HCL Frac with 40,560 lbs 12/20 Brady Sand and 3,040 lbs 8/14 Flex Sand.

33. PRODUCTION

DATE FIRST PRODUCTION **6/12/00** PRODUCTION METHOD **Flowing** WELL STAT **Producing**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
3/14/00	24	3/8"	→	0	470	6	0

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)
135	185	→	0	470	6	N/A

34. DISPOSITION OF GAS
Sold *(Sold, used for fuel, vented, etc.)*

TEST WITNESSED BY
R. Bellow

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 *Gay Davis* (Gay Davis) Office Manager DATE **6/16/00**

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

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37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

GEOLOGIC MARKERS
Jicarilla 30-03-34 SJ No. 4

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	MEAS. DEPTH	TRUE VERT DEPTH
				L San Jose		1648'	

RECEIVED
 JUL 10 2000
 MALLON OIL COMPANY
 DURANGO OFFICE

Jicarilla 30-03-34 No. 4
SE/4 Section 34-30N-3W

DISTRICT II
011 South First, Artesia, N.M. 80210

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-26733		*Pool Code 97037	*Pool Name Cabresto Canyon - Tertiary
*Property Code 00024236	*Property Name JICARILLA 30-3-34		*Well Number 4
*OGRID No. 13925	*Operator Name MALLON OIL COMPANY		*Elevation 7259'

¹⁰ Surface Location

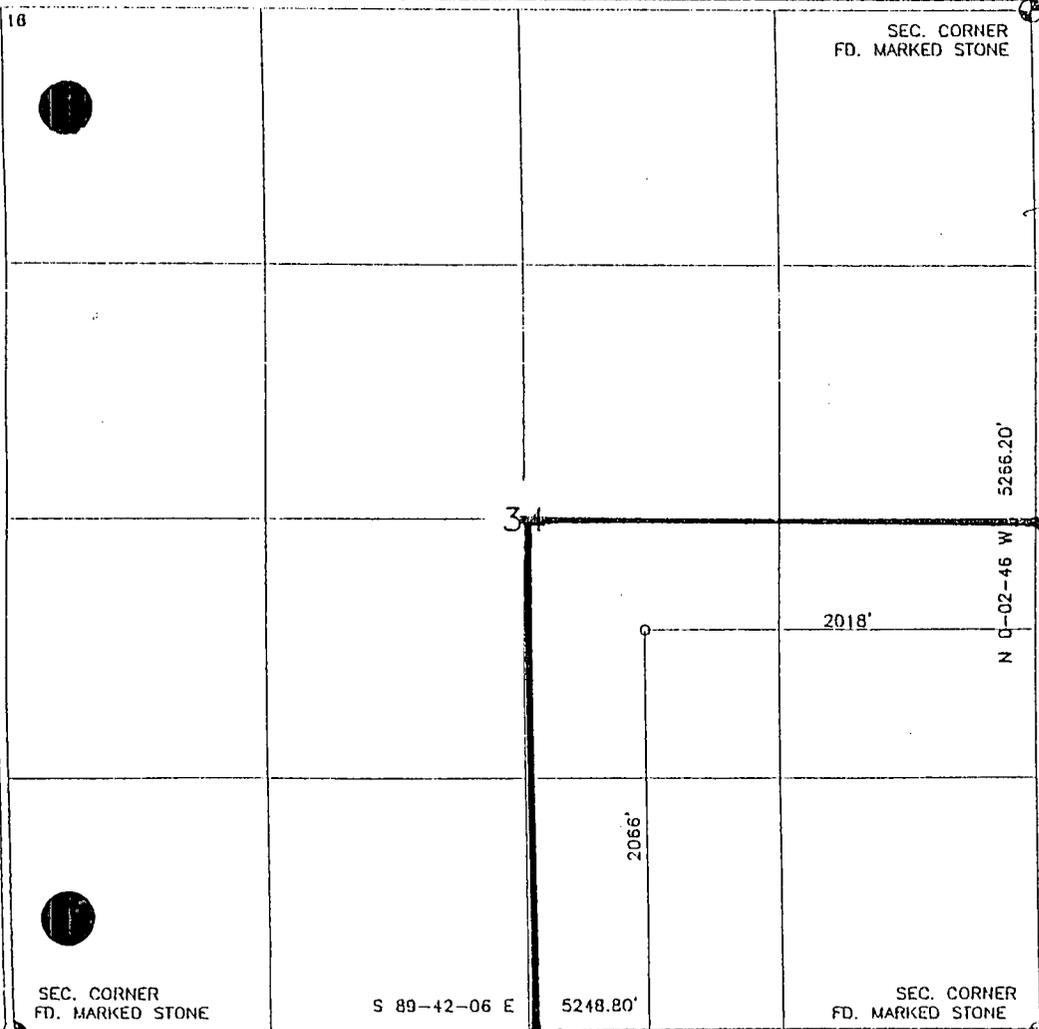
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	34	30-N	3-W		2066	SOUTH	2018	EAST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

*Dedicated Acres	*Joint or Infill	*Consolidation Code	*Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



17 OPERATOR CERTIFICATION

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

[Signature]
Signature

T. G. Lindeman
Printed Name

Operations-Superintendent
Title

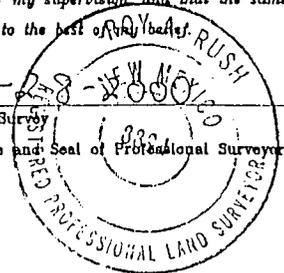
03/07/01
Date

18 SURVEYOR CERTIFICATION

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 belief.

11-28-2001
Date of Survey

[Signature]
Signature and Seal of Professional Surveyor



8894
Certificate Number

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN DUPLIC,
(See other instructions
on reverse side)

FORM APPROVED
OMB NO. 1004-0137

Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL
 OIL WELL GAS WELL DRY OTHER _____

2. TYPE OF COMPLETION
 NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF RESVR

2. NAME OF OPERATOR
 Mallon Oil Company

3. ADDRESS AND TELEPHONE NO.
 P. O. Box 2797, Durango, CO 81302 (970) 382-9100

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *)
 At Surface
 2066' FSL and 2018' FEL (NW/SW) Unit J
 At top prod. interval reported below 0

5. LEASE DESIGNATION AND SERIAL NO.
 MDA 701-98-0013

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 Jicarilla Apache Tribe

7. UNIT AGREEMENT NAME
 N/A

8. FARM OR LEASE NAME, WELL NO.
 Jicarilla 30-03-34 No. 4

9. API WELL NO.
 30-039-26733

10. FIELD AND POOL, OR WILDCAT
 Cabresto Canyon - Tertiary

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
 Sec. 34 T30-R03

14. PERMIT NO. N/A DATE ISSUED N/A

12. COUNTY OR PARISH Rio Arriba 13. STATE NM

15. Spud Date 5/7/01 16. DATE TO REACHED 5/14/01 17. DATE COMP (Ready to Prod.) 7/12/01 18. ELEVATION (DF, RKB, RT, GR, ET) 7259' GL, 7271' KB 19. ELEV. CASINGHEAD 7260'

20. TOTAL DEPTH, MD & TVD 3978' 21. PLUGBACK TD, MD & TVD 3937' 22. IF MULTIPLE COMPS. HOW MANY* NA 23. INTERVALS DRILLED BY → ROTARY TOOLS Yes CABLE TOOLS N/A

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*)
 2647'-2667', 3186'-3178', 3224'-3234'

25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN GR-HRI, GR-SDL-DSN 27. WAS WELL CORED N/A

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24 lbs	256.6'	12-1/4"	150 sxs Type III	none
5-1/2"	15.5 lbs	3978'	7-7/8"	950 sxs STD poz 2% gel	none

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)
N/A				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	3203.81'	NA

31. PERFORATION RECORD (Interval, size, and number)
 3186'-3178', 3224'-3234' 2 JSPF
 2647'-2667' 2 JSPF

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
 DEPTH INTERVAL (MD) 2647'-3234' AMOUNT AND KIND OF MATERIAL USED 72,000 lbs 20/40 Brown Sand

33.* PRODUCTION

DATE FIRST PRODUCTION 7/12/01 PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing WELL STAT (Producing or Shut In) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
6/29/01	24	1/2"	→	0	550	120	0

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR.)
225	NA	→	0	550	120	N/A

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold TEST WITNESSED BY Raymond Key

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 Robert Blaylock District Manager DATE 8/30/01

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other:

2. Name of Operator

Mallon Oil Company

3. Address and Telephone No.

P.O. Box 2797 Durango, CO 81302 (970) 382-9100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2066' FSL and 2018' FEL (NW/SE) Unit J
Sec. 34, T30N-R03W

5. Lease Designation and Serial No.

MDA 701-98-0013

6. If Indian, Allote or Tribe Name

Jicarilla Apache Tribe

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Jicarilla 30-03-34 No. 4

9. Well API No.

30-039-26733

10. Field and Pool, or Exploratory Area

East Blanco, Pictured Cliffs

11. County or Parish, State

Rio Arriba County, NM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other: Spud and Surface Casing
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this zone.)*

Mallon Oil Company spud the above referenced well on 05/07/01 at 16:30 pm. Drilled a 12-1/4" hole, 8-5/8", 24.0 lb/ft surface casing was set at 256.60'. Cemented with 150 sxs Type III cmt, circulated 10 bbls of cement to surface.

01 MAY 11 11:10:52
BLM - ALBUQUERQUE

14. I hereby certify that the foregoing is true and correct

Signed *Gay Davis*
Gay Davis

Title Office Manager

Date 05/09/01

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved By *Patricia M. Hester*

Lands and Mineral Resources

Title _____

Date 5/17/01

Conditions of approval, if any:

18 U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

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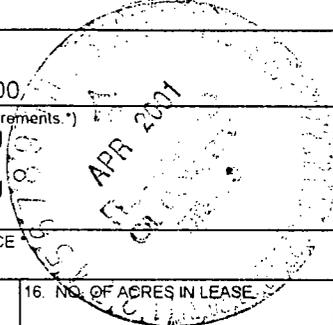
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE
(Other instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a TYPE OF WORK Drill <input checked="" type="checkbox"/> Deepen <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. MDA 701-98-0013	
b TYPE OF WELL Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
2. NAME OF OPERATOR Mallon Oil Company		7. UNIT AGREEMENT NAME N/A	
3 ADDRESS AND TELEPHONE NO. P.O. Box 2797 Durango, CO 81302 (970) 382-9100		8. FARM OR LEASE NAME, WELL NO Jicarilla 30-03-34 #4	
4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 2066' FSL and 2018' FEL (NW/SE) Unit J		9. API WELL NO. 30-039-26733	
At proposed prod zon 2066' FSL and 2018' FEL (NW/SE) Unit J		10. FIELD AND POOL, OR WILDCAT E. Blanco, Pictured Cliffs	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 56 miles east of Bloomfield, New Mexico		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 5 Sec. 34, T30N-R03W	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT 2039'		12. COUNTY OR PARISH Rio Arriba	
16. NO. OF ACRES IN LEASE 39,360		13. STATE NM	
17. NO. OF ACRES ASSIGNED TO THIS WELL 5E/4 160		18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2800'	
19. PROPOSED DEPTH 4000' -		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, Etc.) 7259' GR -		22. APPROX. DATE WORK WILL START 12/10/00	
23. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12-1/4"	8-5/8"	24#	250'
7-7/8"	5-1/2"	15.5#	4000' -
			730 sks circ. To surface -



Mallon Oil Company proposes to drill to a depth sufficient to test the Pictured Cliffs formation. The well will be drilled on an existing pad with no additional disturbance required. Specific programs as per on-shore Oil and Gas Order No. 1 are outlined in the following attachments:

Drilling Program

- Exhibit 1: Blow Out Preventor Equipment/Plan
- Exhibit A: Location and Elevation Plat
- Exhibit B: Roads and Pipelines
- Exhibit C: One Mile Radius Map
- Exhibit D: Drilling Site Layout
- Exhibit E: Production Facilities
- Exhibit F: H2S Contingency Plan
- Exhibit G: Environmental Assessment / Arch survey

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24
SIGNED: Terry Lindeman TITLE: Operations Superintendent DATE: 03/06/01

(This space for Federal or State office use)

PERMIT NO _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY
APPROVED BY /s/ Brian W. Davis TITLE Acting Asst Field Mgr DATE APR 06 2001

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

HOLD C104 FOR NSL

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X