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August 22, 2002

**HAND-DELIVERED**

**RECEIVED**

AUG 22 2002

Oil Conservation Division

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

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**)<sup>0</sup> 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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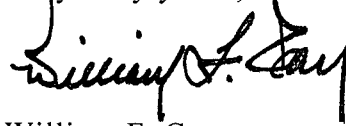
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the plat described above has been sent to these affected parties by certified mail-return receipt requested in accordance with Rule 1207 (A)(2) advising them that if they have an objection to this application it must be filed in writing with the Division's 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,

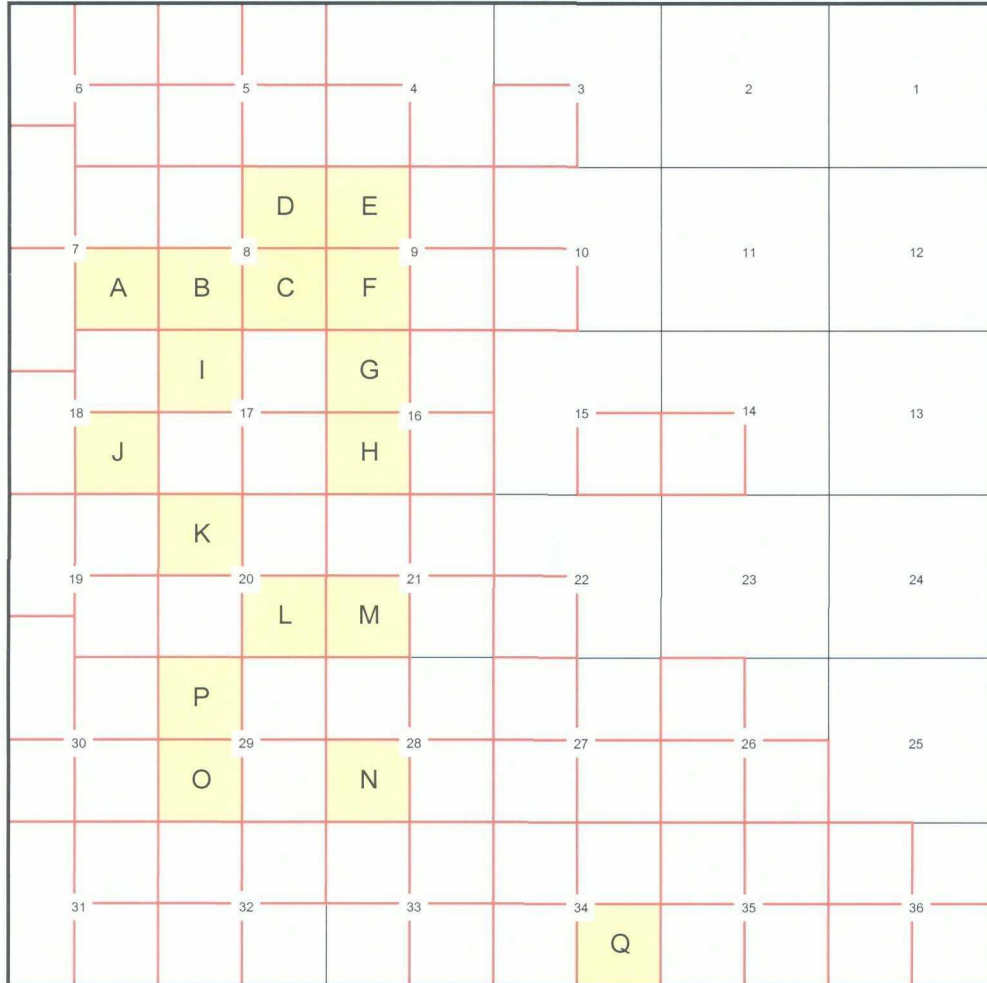
A handwritten signature in black ink, appearing to read "William F. Carr".

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**



Ref	WELL NAME	Formation	WELL NAME	Formation
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  
Post Office Box 129  
Farmington, NM 87499

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1900 W LP S  
Houston, Texas 77027

Schalk Development Co.  
P. O. Box 25825  
Albuquerque, NM 87125

Burlington Resources Oil & Gas Co.  
801 Cherry Street  
Fort Worth, Texas 76102

Patrick Hegarty  
Synergy Operating, LLC  
P. O. Box 5513  
Farmington, NM 87499

Richard W. Stout  
Post Office Box 563  
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

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

Ken Kamon  
Post Office Box 10589  
Midland, Texas 79702

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

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

Jaco Production Company  
Post Office Box 1807  
Bakersfield, CA 93303

HOLLAND & HART<sup>LLP</sup>  
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**

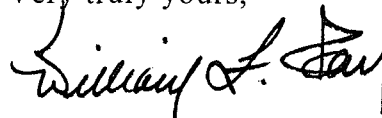
**Re: Application of Mallon Oil Company for administrative approval of the simultaneous dedication of wells to 17 gas spacing and proration units in the Cabresto Canyon-tertiary Pool, Rio Arriba County, New Mexico.**

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

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 30-039-26182-00-00		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


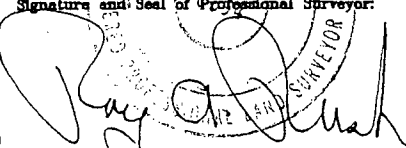
### 11 Bottom Hole Location If Different From Surface

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'		17 OPERATOR CERTIFICATION	
FD. U.S.G.L.O. BC. 1917		FD. U.S.G.L.O. BC. 1917	I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
			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 knowledge
			Date of Survey 11-9-01
			Signature and Seal of Professional Surveyor 
			Certificate Number 8894
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, Allottee 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  
010 ALBUQUERQUE, N.M.

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

Signed Linda L. 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:

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

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 <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) 864' FSL and 1345' FEL (SW SE) Unit O Sec. 7, T30N-R03W		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 7:10:28  
BLM/BUREAU OF LAND MANAGEMENT

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 B [Signature] Title: Petro-Eng. Date: 02-02-00

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

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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____						5. LEASE DESIGNATION AND SERIAL NO. Jic 458	
2. TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <input type="checkbox"/>						6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache Tribe	
3. NAME OF OPERATOR Mallon Oil Company						7. UNIT AGREEMENT NAME N.A.	
4. ADDRESS AND TELEPHONE NO. P. O. Box 2797 Durango, CO 81302 (970) 382-9100						8. FARM OR LEASE NAME, WELL NO. Jicarilla 458 SJ No. 2	
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  At top prod. interval reported below 864 FSI and 1345' FEL (SW SE) Unit O  At total depth 864 FSI and 1345' FEL (SW SE) Unit O						9. API WELL NO. 30-039-26182	
14. Permit No. N/A Date Issued N/A						12. COUNTY OR PARISH Rio Arriba	
15. DATE SPUNDED 11/17/99						13. STATE NM	
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	
8-5/8"		24		238'		12-1/4"	
4-1/2"		11.6		2097'		6-3/4"	
						TOP OF CEMENT, CEMENTING RECORD	
						cmt 120 sxs Type 3 cmt,	
						circ 12 sxs to surface	
						cmt 350 sxs 50:50 poz	
						circ 48 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	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) 1641'-1646' 1474'-1461' AMOUNT AND KIND OF MATERIAL USED acidize 800 gal 7-1/2% HCL acid 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 RECORD

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

## · GEOLOGIC MARKERS

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

CONFIDENTIAL

Form 3160-3  
(July 1992)

RECEIVED  
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 ☐  
1b. 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 (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  
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'  
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  
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: 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: Asst. 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

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

*API Number 30-039-24086-00-00		*Pool Code 97037	*Pool Name CABRISTO CANYON TERTIARY
*Property Code 20464	*Property Name JICARILLA 458		*Well Number 2
*OGRID No. 13925	*Operator Name MALLON OIL CO.		*Elevation 7008'

<sup>10</sup> 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

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres 160'	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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'	17	OPERATOR CERTIFICATION
FD. U.S.G.L.O. BC. 1917		FD. U.S.G.L.O. BC. 1917	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 10/3/01
			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
			Date of Survey 5-19-99
			Signature and Seal of Professional Surveyor 8894
			Certificate Number



CONFIDENTIAL

Form 3160-4  
(July 1992)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
AMENDEDSUBMIT 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

6 IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache Tribe

7 UNIT AGREEMENT NAME

8 FARM OR LEASE NAME, WELL NO

Jicarilla 458 No. 2

9 API WELL NO.

30-039-24086

10. FIELD AND POOL, OR WILDCAT

E. Blanco, Ojo Alamo

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

Sec. 7, T30N-R3W

12 COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

15. DATE SPUNDED

12/2/86

16. DATE TO REACHED

12/9/86

17. DATE COMP (Ready to Prod.)

11/9/97

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

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD &amp; TVD

3960'

21. PLUGBACK TD, MD &amp; TVD

3549'

22. IF MULTIPLE COMP.,  
HOW MANY\*23. INTERVALS  
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0 - TD

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD\*)

3088'-3110', 3134'-3174' 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 #	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

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	30. TUBING RECORD	SIZE	DEPTH SET (MD)	PACKER SET (MD)
						2-3/8"	2991'	2991'

31. PERFORATION RECORD (Interval, size, and number)

3088'-3110'  
3134'-3174'4 JSPF  
.34" dia

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL (MD)

AMOUNT AND KIND OF MATERIAL USED

3088'-3174'

65,443 gals 75/70 Quality  
N2 foam with 55,800 bls 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.)

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



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)

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

BUREAU OF LAND MANAGEMENT

14. PERMIT NO. FARMINGTON RESOURCE AREA

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 0 - TD 24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

PC: 3635 - 3699

26. TYPE ELECTRIC AND OTHER LOGS RUN

IEL, CNL - FDC; GR/CLL

27. WAS WELL CORED

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#/ft	145' RKB	9 7/8"	75sx Class "B" w/3% CaCl <sub>2</sub>	-88.5ft <sup>3</sup>
4 1/2"	11.6#/ft	3946' RKB	6 3/4"	225sx 50/50 pozmix w/2% gel	-284 ft <sup>3</sup>

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.	
3635 - 3647	2 JSPF			DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3661 - 3671	78 holes			3635 - 3699' RKB	500 gal 7 1/2 DI weighted HCL
3674 - 3680	.34"				w/117 l.lsg RCN ball sealers;
3690 - 3699					80,000 gal. 70 quality foam w/
					989.550 SCF nitrogen-739 bbls.

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

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.)				TEST WITNESSED BY			
vented				Record 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)

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 KIRTLAND FRUITLAND P.C.	3074 3301 3430 3633	3301 3430 3633 3961	water water water and natural gas natural gas	OJO ALAMO KIRTLAND FRUITLAND P.C.	3074 3301 3430 3633	

38. GEOLOGIC MARKERS

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.)

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

RECEIVED  
DEC 04 1986  
BUREAU OF LAND MANAGEMENT  
FARMINGTON RESOURCE AREA

14. PERMIT NO.

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

7008' GL

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., R., M., OR BLK. AND  
SURVEY OR AREA

Sec. 7, T30N, R3W

12. COUNTY OR PARISH

Rio Arriba

13. STATE  
NM

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

(Other) Spud, set surface csq.

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(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% CaCl<sub>2</sub>. 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.<sup>3</sup>) cement with 3% CaCl<sub>2</sub>. 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

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-102  
Revised 10-1-78

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

Owner <b>ROBERT L. BAYLESS</b>		Lease <b>JICARILLA 458</b>		Well No. <b>2</b>	
Unit Letter <b>0</b>	Section <b>7</b>	Township <b>30 North</b>	Range <b>3 West</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>(cardinal)</b>					
<b>790</b>		feet from the <b>South</b>		line and <b>1450</b> feet from the <b>East</b> line	
Ground Level Elev. <b>7008</b>	Producing Formation <b>Fruitland/Pictured Cliffs</b>		Pool <b>Wildcat</b>		Dedicated Acreage: <b>160</b> Acres

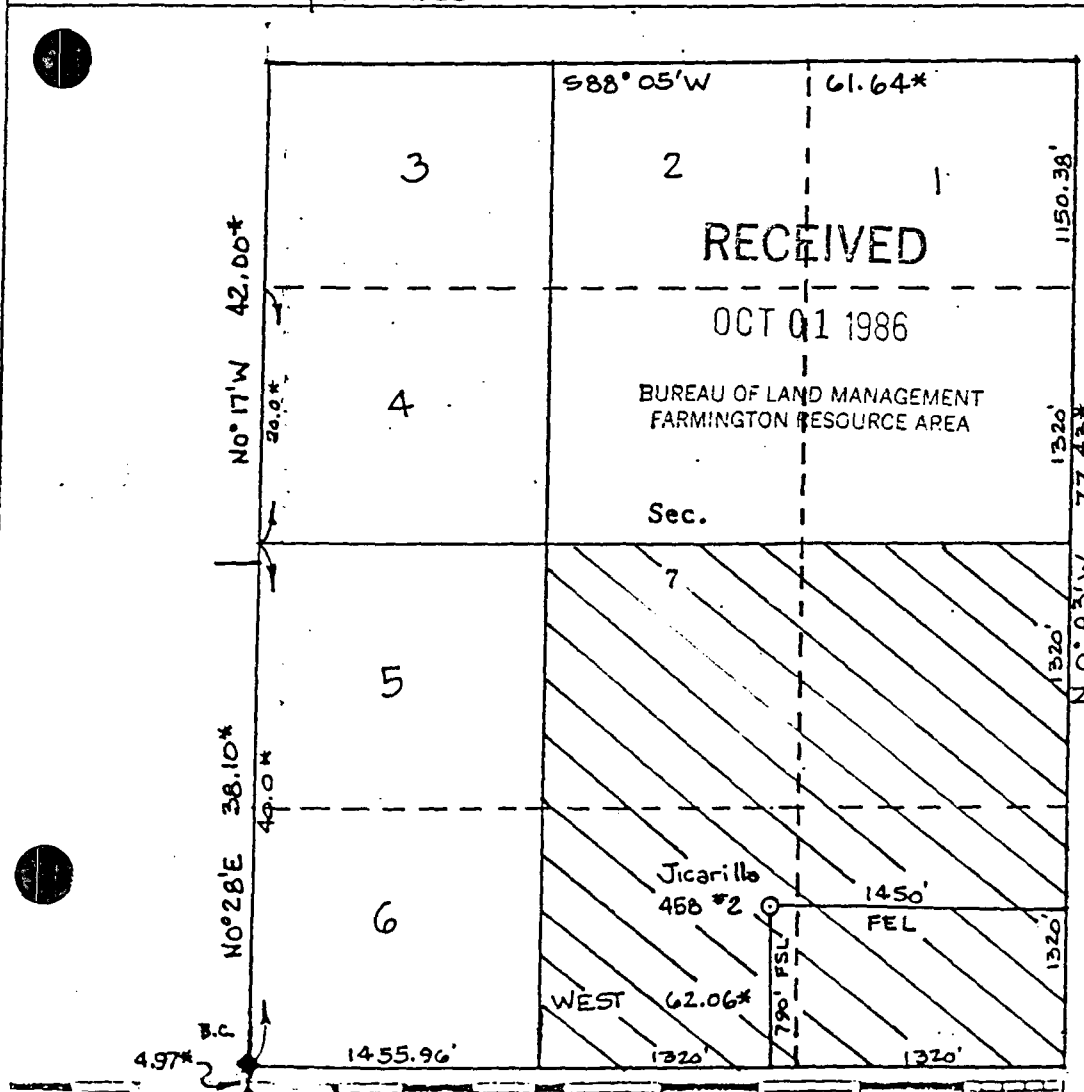
1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is 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 \_\_\_\_\_

Robert L. Bayless

Position

Operator

Company

Robert L. Bayless

Date \_\_\_\_\_

9/30/86

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.

Sept. 22,

Date Surveyed \_\_\_\_\_

Registered Professional Engineer  
and/or Land Surveyor

Certificate No.

8894

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, 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 30-039-26233-00-00		*Pool Code 97037	*Pool Name CABRISTO CANYON TERTIARY
*Property Code 24391	*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. K	Section 8	Township 30-N	Range 3-W	Lot Idn	Feet from the 1450	North/South line SOUTH	Feet from the 1350	East/West line WEST	County 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				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 10/3/01 Date	
5,115.5'		8			
N 00-01-33 W		1350'		EXISTING WELL	
		1450'			
FD. U.S.G.L.O. BC. 1917		S 88-58-35		5278.1'	
				FD. U.S.G.L.O. BC. 1917	
				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 Signature and Seal of Professional Surveyor 8894 Certificate Number	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DATE  
(See other conditions  
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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Jic 458	
b. TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <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. 999 - 18th St., Suite 1700, Denver, CO 80202 303-293-2333		8. FARM OR LEASE NAME, WELL NO. Jicarilla 458-8 SJ No. 9	
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		9. API WELL NO. 30-039-26233	
14. Permit No. N/A		Date issued N/A	
12. COUNTY OR PARISH Rio Arriba		13. STATE NM	

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
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) 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	32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	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, gas lift, pumping - size and type of pump) Flowing				WELL STAT (Producing or Shut In) Producing	
DATE OF TEST 1/24/00	HOURS TESTED 24	CHOKE SIZE 3/8"	PROD'N FOR TEST PERIOD →	OIL - BBL 0	GAS - MCF 380	WATER - BBL 15	GAS-OIL RATIO N/A
FLOW TBG PRESS 110	CASING PRESSURE 0	CALCULATED 24-HOUR RATE →	OIL - BBL 0	GAS - MCF 380	WATER - BBL 15	OIL GRAVITY - API (CORR.) N/A	API GRAVITY N/A
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold						TEST WITNESSED BY M. Davis	

38. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	
SIGNED <i>Linda D. Wilkins</i> (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

## SUNDY 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, 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. 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 ☐ Change of Plans  
☐ Recompletion ☐ New Construction  
☐ Plugging Back ☐ Non-Routine Fracturing  
☐ Casing Repair ☐ Water Shut-Off  
☐ Altering Casing ☐ Conversion to Injection  
☒ Other: Spud Sundry ☐ 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 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. Hest

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)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTSUBMIT 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 458	
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 458-8SJ No. 9	
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		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 ext.	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 1450' (Also to nearest drlg. unit line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 8, T30N-R03W	
16. NO. OF ACRES IN LEASE 2,560		12. COUNTY OR PARISH Rio Arriba	
17. NO. OF ACRES ASSIGNED TO THIS WELL 155		13. STATE NM	
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		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#	500'
7-7/8"	4-1/2"	14.7#	1800'
		QUANTITY OF CEMENT Circulate to surface 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:   
Jeffry Lindeman

TITLE: Operations Superintendent

DATE: 07/26/99

(This space for Federal or State office use)

PERMIT NO.

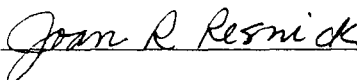
APPROVAL DATE

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



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

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 87604-2088

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 30-039-25758-00-00		2 Pool Code 97037		3 Pool Name CABRISTO CANYON TERTIARY	
4 Property Code 22182		5 Property Name JICARILLA 458-8			6 Well Number 9
7 OGRID No. 13925		8 Operator Name MALLON OIL CO.			9 Elevation 7046.6'

10 Surface Location

UL or lot no. K	Section 8	Township 30-N	Range 3-W	Lot Idn	Feet from the 1450	North/South line SOUTH	Feet from the 1450	East/West line WEST	County RIO ARRIBA
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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		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>Robert Blaylock</u> Printed Name <u>ROBERT BLAYLOCK</u> Title <u>DISTRICT MANAGER</u> Date <u>12/06/01</u>	
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 <u>9-1-01</u> Signature and Seal of Professional Surveyor <u>[Signature]</u> Certificate Number <u>8894</u>			

5115.5'

N 00-01-33 W

1450'

1450'

8

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

S 89-58-39 E

5278.1'

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

(July 1992)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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 \*

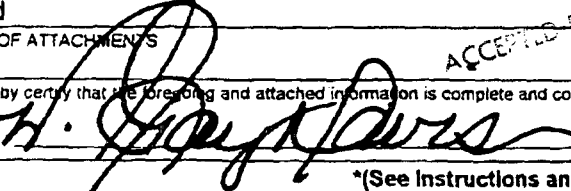
1a TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>		5 LEASE DESIGNATION AND SERIAL NO Jicarilla 458	
2 TYPE OF COMPLETION NEW <input type="checkbox"/> WORK <input type="checkbox"/> DEEP <input type="checkbox"/> PLUG <input type="checkbox"/> DIFF <input type="checkbox"/> WELL <input checked="" type="checkbox"/> OVER <input type="checkbox"/> EN <input type="checkbox"/> BACK <input type="checkbox"/> RESVR <input type="checkbox"/> OTHER <input type="checkbox"/>		6 IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
3 NAME OF OPERATOR Mallon Oil Company		7 UNIT AGREEMENT NAME N/A	
4 ADDRESS AND TELEPHONE NO P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596		8 FARM OR LEASE NAME, WELL NO Jicarilla 458-8 No. 9	
5 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)		9 API WELL NO 30-039-25758	
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	
12. COUNTY OR PARISH 13 STATE Rio Arriba NM		14. PERMIT NO N/A	
15 DATE SPUDDED 2/7/98		16. DATE TO 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		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		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	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	

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	2947'	2948'
31 PERFORATION RECORD (Interval, size, and number) 3080'-9090 4 jsfp 40 holes 3100'-3126' 4 jsfp 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			

33 PRODUCTION							
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 02/21/98	HOURS TESTED 24	CHOKE SIZE 3/8"	PROD'N FOR TEST PERIOD	OIL - BBL 0	GAS - MCF 1932	WATER - BBL 120	GAS-OIL RATIO 0
FLOW TBG PRESS 600	CASING PRESSURE 0	CALCULATED 24-HOUR RATE	OIL - BBL 0	GAS - MCF 1932	WATER - BBL 120	OIL GRAVITY - API (CORR.) 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)

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

## GEOLOGIC MARKERS

U.S. GOVERNMENT PRINTING OFFICE 1992-774-272

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 458
2. Name of Operator Mallon Oil Company	6. Indian, Alente 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 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	<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 2/7/98 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 <u>Christy Serrano</u> Christy Serrano	Title <u>Production Secretary</u>	Date <u>4/27/98</u>
(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)		
Approved By <u>[Signature]</u>	Title <u>Lands and Mineral Resources</u>	Date <u>MAY 7 1998</u>

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

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. UIC458		
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 458-8 No. 9		
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 At proposed prod. zone 1450' FSL and 1450' FWL (NE SW) Unit K		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) 3830'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 8, T30N-R03W		
16. NO. OF ACRES IN LEASE 2249.19'		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. 1900'		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 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.

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

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

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

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

State of New Mexico  
Geology, 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

*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'

<sup>10</sup> 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

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres 16.0	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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	CALC. COR.			17 OPERATOR CERTIFICATION
				<i>Robert Blaylock</i> Signature
				ROBERT BLAYLOCK Printed Name
				DISTRICT MANAGER Title
				10/3/01 Date
18 SURVEYOR CERTIFICATION				
<i>Roy A. Rust</i> Signature and Seal of Professional Surveyor				
8894 Certificate Number				

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

N 89-58-39 W 5278.09'

**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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.	
b. TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache Tribe	
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 458-8 SJ No. 10	
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		9. API WELL NO. 30-039-26178	
14. Permit No. N/A		Date Issued N/A	
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'		12. COUNTY OR PARISH Rio Arriba	
13. STATE NM		10. FIELD AND POOL, OR WILDCAT Cabresto Canyon; San Jose Ext.	
20. TOTAL DEPTH, MD & TVD 2000'		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 8, T30N-R03W	
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)	
29. LINER RECORD		30. TUBING RECORD	
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		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold	
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**RECEIVED FOR RECORD  
NOV 15 1999

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	
				San Jose	1459'		

# 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.
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 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: 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 amendement to the APD for the above referenced well. Mallon Oil Company would like to change the Total Depth to 2100'.

99 OCT 28 PM 2:31  
ALBUQUERQUE, N.M.

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

Signed <u>Christy Serrano</u>	Title <u>Production Clerk</u>	Date <u>10-27-99</u>
-------------------------------	-------------------------------	----------------------

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved B <u>[Signature]</u>	Title <u>Petro. Eng</u>	Date <u>11/19/99</u>
-------------------------------	-------------------------	----------------------

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.

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

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

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.

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

Petro. Eng.

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

(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. JIC 458
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 458-8 SJ #10
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		9. API WELL NO.
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. (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

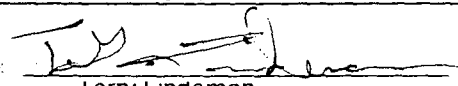
Mallon Oil Company proposes to drill this well to an approximate TD of 1800' in the San Jose formation. This well is placed on an existing well pad. There will not be any need for additional pad, access road, or pipeline disturbance. If productive, 5-1/2" casing will be cemented at TD. If non-productive, 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.  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  TITLE: Acting Field Manager 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

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
*OGRID No. 13925	*Operator Name MALLON OIL CO.		*Elevation 7096'

### <sup>10</sup> Surface Location

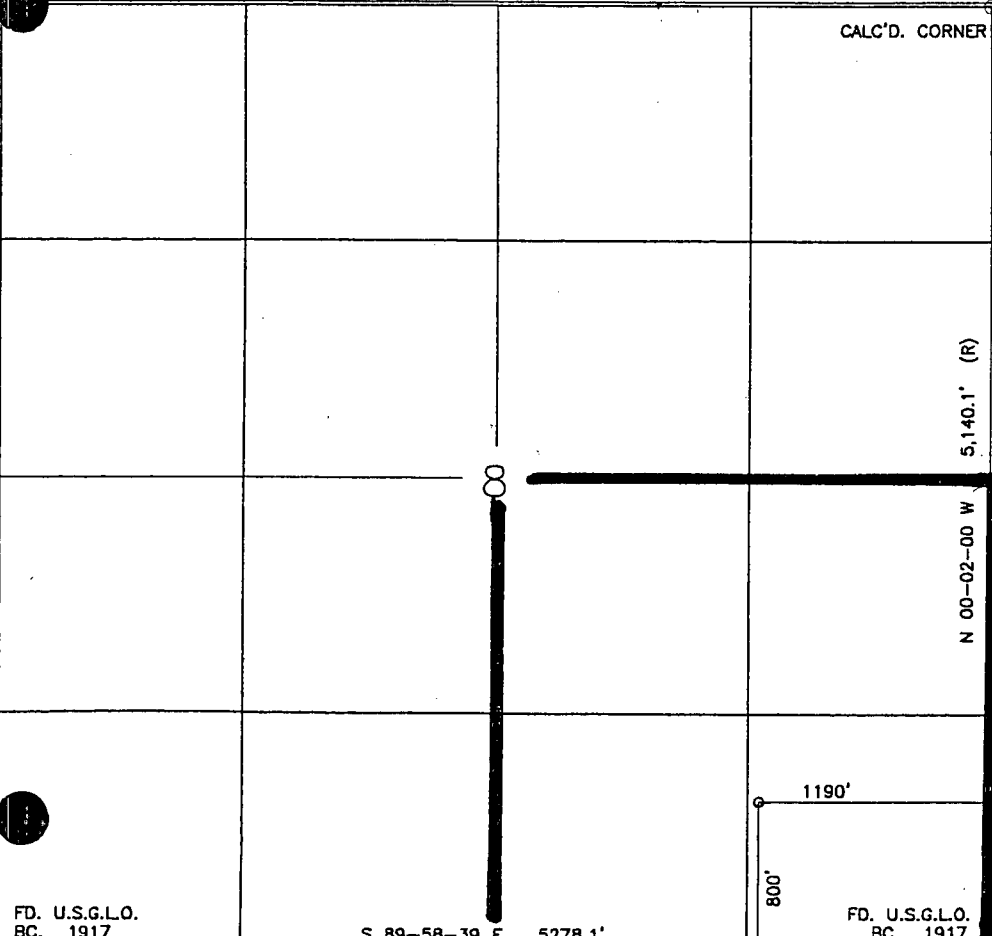
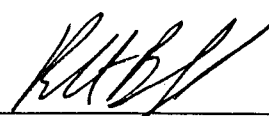
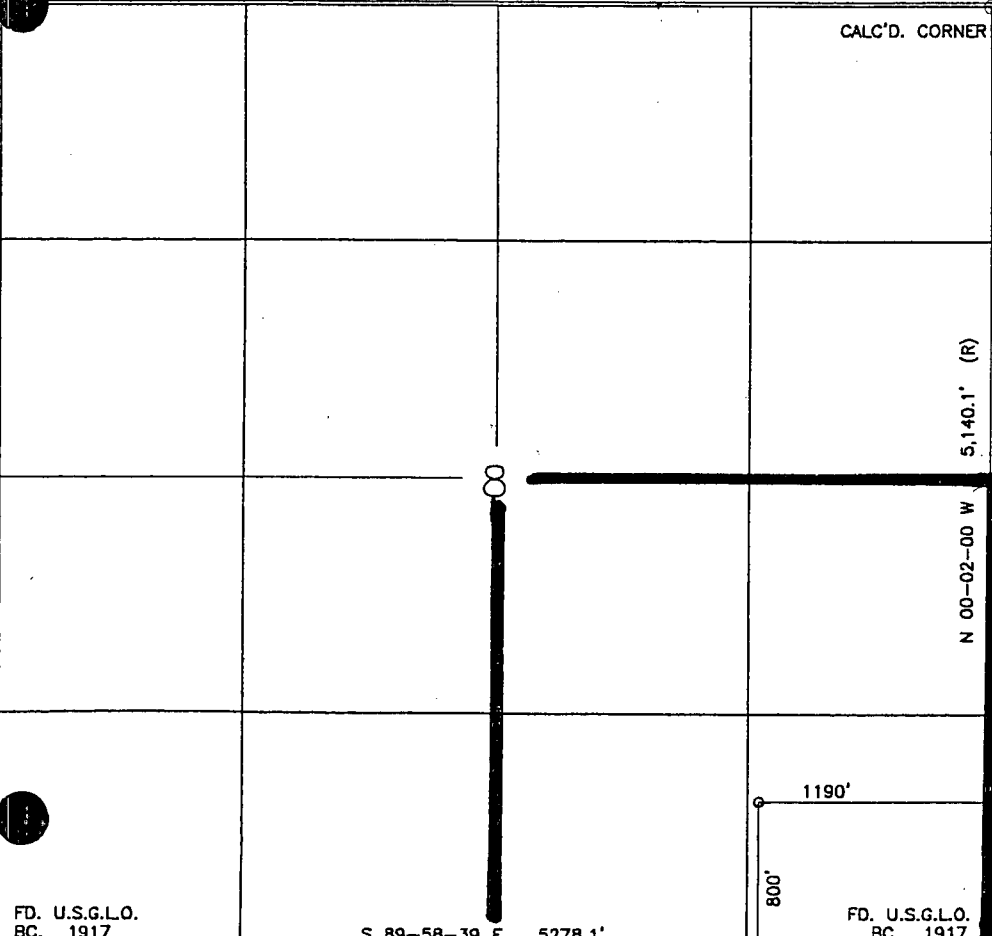
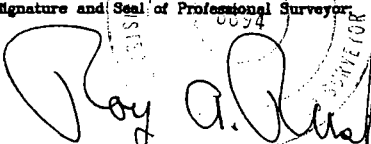
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	8	30-N	3-W		800	SOUTH	1190	EAST	RIO ARRIBA

## 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
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<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

	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
	ROBERT BLAYLOCK Printed Name DISTRICT MANAGER Title 10/3/01 Date
	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 Signature and Seal of Professional Surveyor
	2-3-09 ROY A. RUSH NEW MEXICO REGISTERED SURVEYOR 8894 Certificate Number

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 SPUDDED 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	

LINER RECORD				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

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 DATE 7/12/98 Production Secretary

\*(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

38.

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. JIC 458	
b. TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <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. LEASE OR LEASE NAME, WELL NO. Jicarilla 458-8 No. 10	
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		9. API WELL NO. 30-039-25862	
14. PERMIT NO. N/A		DATE ISSUED N/A	
15. DATE SPUDDED 5/26/98		10. FIELD AND POOL, OR WILDCAT Cabresto Canyon, Ojo Alamo Ext	
16. DATE TD REACHED 6/2/98		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 8, T30N-R03W	
17. DATE COM (Ready to Prod.) 07/11/98		12. COUNTY OR PARISH Rio Arriba	
18. ELEVATION (DF, RKB, RT, GR, E) 7096'		13. STATE NM	
19. ELEV. CASINGHEAD 7097'			
20. TOTAL DEPTH, MD & TVD 3935'		21. PLUGBACK TD, MD & TVD 3845'	
22. IF MULTIPLE COM., HOW MANY* 2		23. INTERVALS DRILLED BY →	
24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*) 3099'-3150' Cabresto Canon, Ojo Alamo Ext.		ROTARY TOOLS Yes	
25. WAS DIRECTIONAL SURVEY MADE Yes		CABLE TOOLS N/A	
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 8-5/8"		WEIGHT LB/FT 24	
DEPTH SET (MD) 542		HOLE SIZE 12-1/4"	
TOP OF CEMENT, CEMENTING RECORD Cmt 450 sxs Class "B" Circ 25		AMOUNT PULLED	
5-1/2"		15.5	
3916		7-7/8"	
Cmt 510 sxs cmt, top of cmt		115' from surface	
29. LINER RECORD			
SIZE N/A		TOP (MD) BOTTOM (MD)	
SACKS CEMENT *		SCREEN (MD)	
30. TUBING RECORD			
SIZE 1.9		DEPTH SET (MD) 3041'	
PACKER SET (MD) 3042'			
31. PERFORATION RECORD (Interval, size, and number)			
3099'-3150' 4 JSPF 204 Holes		ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
Cabresto Canyon, Ojo Alamo Ext		DEPTH INTERVAL (MD) 3099'-3150'	
		AMOUNT AND KIND OF MATERIAL USED Acidize 3000 gals 7-1/2% HCL Frac 77,000 lbs 12/20 Sand	
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 6/16/98		HOURS TESTED 24	
CHOKE SIZE 3/8"		PROD'N FOR TEST PERIOD →	
OIL - BBL 0		GAS - MCF 2027	
WATER - BBL 60		GAS-OIL RATIO N/A	
FLOW TBG PRESS 630		CASING PRESSURE 0	
CALCULATED 24-HOUR RATE →		OIL - BBL 0	
GAS - MCF 2027		WATER - BBL 60	
OIL GRAVITY - API (CORR.) 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 Soriano		DATE 7/12/98	
Christy Soriano		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 content; cored intervals; and all drill-stems 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
				Nacimientto	1988'	
				Ojo Alamo	8088'	
				Kirtland	3323'	
				Fruitland	2550'	
				Pictured Cliffs	3660'	
				Lewis	3730'	

WELL NAME: JICARILLA 458-8 #10

FIELD: EAST BLANCO

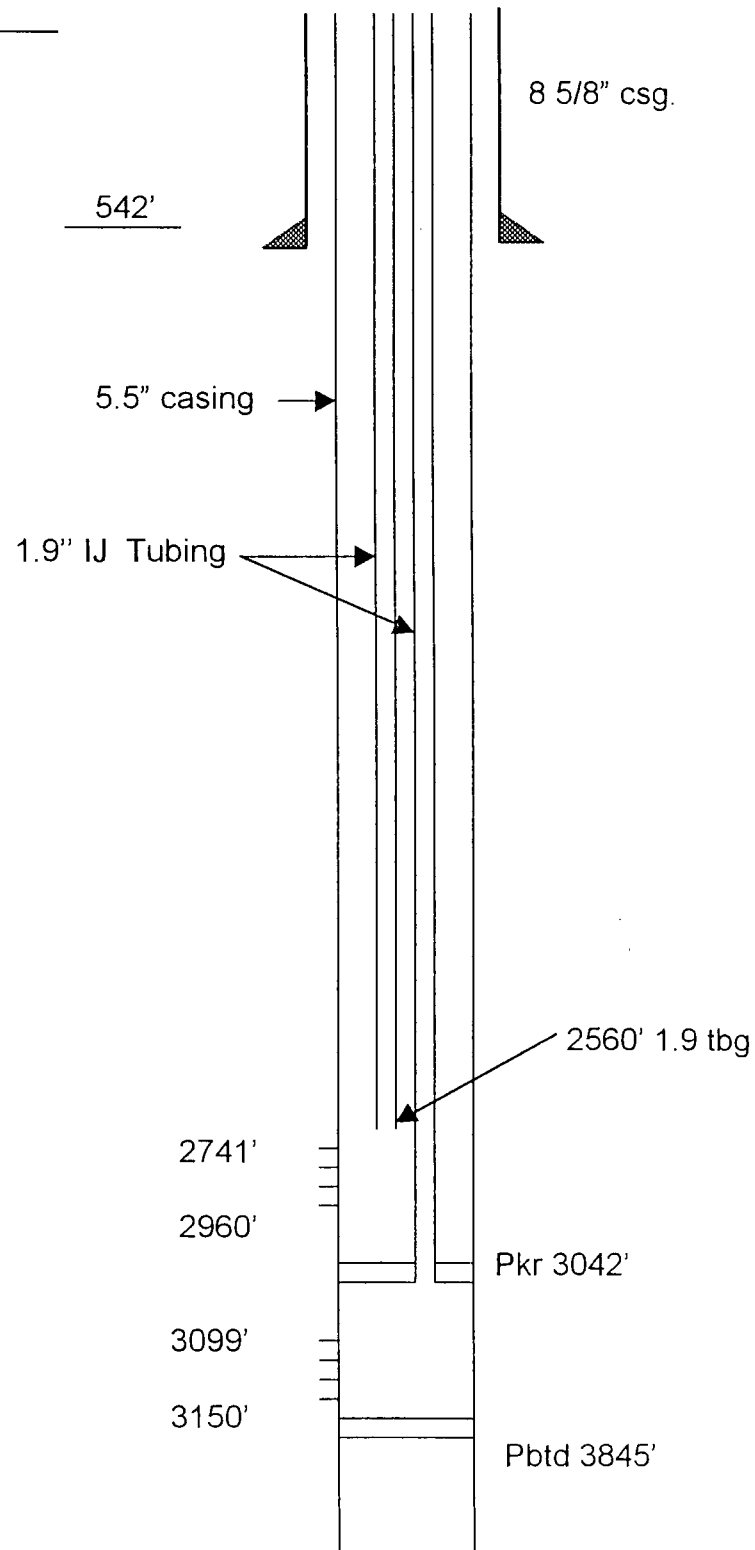
LEGAL: SEC\_\_08\_\_TN\_30\_\_RW\_03\_\_

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-R30W5. 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 ☐ Change of Plans
- ☐ Recompletion ☐ New Construction
- ☐ Plugging Back ☐ Non-Routine Fracturing
- ☐ Casing Repair ☐ Water Shut-Off
- ☐ Altering Casing ☐ Conversion to Injection
- ☒ Other: Dual Completion ☐ 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. Hef*

Title

Lands and Mineral Resources

Date

8-15-98

Conditions of approval, if any:

Title 18 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

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**

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Use "APPLICATION FOR PERMIT TO DRILL" for such proposals.

FORM APPROVED

Budget Bureau No. 1004-0135

Expires March 31, 1993

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. 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

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

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

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TYPE OF ACTION

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- ☒ Other: Spud
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- ☐ 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 11 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

1a. TYPE OF WORK Drill <input checked="" type="checkbox"/> Deepen <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. JIC 458	
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 3256 Carlsbad, NM 88220 (505) 885-4596		8. FARM OR LEASE NAME, WELL NO. Jicarilla 458-8 No. 10	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 800' FSL and 1190' FEL (SE/SE) Unit P		9. API WELL NO.	
At proposed prod. zone 800' FSL and 1190' 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. (Also to nearest drlg. unit line, if any)		12. COUNTY OR PARISH Rio Arriba	
16. NO. OF ACRES IN LEASE 2560		13. STATE NM	
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.		20. ROTARY OR CABLE TOOLS Rotary	
19. PROPOSED DEPTH 4500'			
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, Etc.) 7096' GL		22. APPROX. DATE WORK WILL START May 20, 1998	
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#	500'
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 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.

24.

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

TITLE

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.

CONFIDENTIAL

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

Form C-102  
Revised February 21, 1994  
Instructions on back  
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 30-039-26271-00-00		*Pool Code 97037	*Pool Name CABRISTO CANYON TERTIARY
*Property Code 24591	*Property Name JICARILLA 458-8 S.J.		*Well Number 7
*OGRID No. 13925	*Operator Name MALLON OIL CO.		*Elevation 7120'

<sup>10</sup> Surface Location

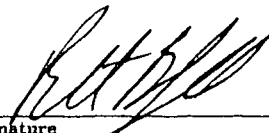
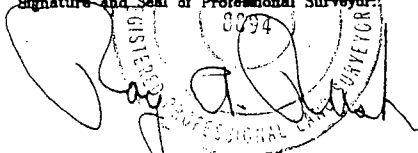
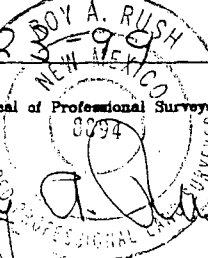
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	8	30-N	3-W		2301	NORTH	868	EAST	RIO ARRIBA

## 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								

<sup>12</sup> Dedicated Acres 156	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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	N 89-42-18 E	5277.50'	CALC'D. CORNER	<div style="text-align: right;">           17 OPERATOR CERTIFICATION            I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief         </div> <div style="text-align: center;">  </div> <div style="text-align: center;">           Signature            ROBERT BLAYLOCK            Printed Name            DISTRICT MANAGER            Title            Date         </div>
		2301'		
			5144.7'	
		8	868'	
				<div style="text-align: right;">           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.         </div> <div style="text-align: center;">  </div> <div style="text-align: center;">           Date of Survey            Signature and Seal of Professional Surveyor   </div>
				<div style="text-align: center;">           9-2            N 00-02-00 W         </div> <div style="text-align: center;">           8894            Certificate Number         </div>

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

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 \*

TYPE OF WELL OIL GAS  
WELL ☐ WELL ☒ DRY ☐ OTHER \_\_\_\_\_

b. 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 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	12. COUNTY OR PARISH Rio Arriba	13. STATE NM		
15. DATE SPUDDED 12/12/99	16. DATE TO REACHED 12/16/99	17. DATE COMP (Ready to Prod.) 01/02/00	18. ELEVATION (OF, 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	

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"	1426'	

31. PERFORATION RECORD (Interval, size, and number) 1516'-1538' 2 JSPF (44 holes) 1417'-1425' 2 JSPF (8 holes) Cabresto Canyon, San Jose	32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	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 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 1/6/00	HOURS TESTED 24	CHOKE SIZE 3/8"	PROO'N FOR TEST PERIOD →	OIL - BBL 0	GAS - MCF 198	WATER - BBL 12	GAS-OIL RATIO N/A
FLOW TBG PRESS 49	CASING PRESSURE 0	CALCULATED 24-HOUR RATE →	OIL - BBL 0	GAS - MCF 198	WATER - BBL 12	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

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 <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. 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) 2301 FNL and 868 FEL ( SE NE ) Unit H Sec. 8, T30N-R03W	8. Well Name and No. Jicarilla 458-8 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	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	<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 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

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 <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. 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) 2301 FNL and 868 FEL ( SE NE ) Unit H Sec. 8, T30N-R03W		8. Well Name and No. Jicarilla 458-8 No. 7 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"/> 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: 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 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 Sorramo Title Production Clerk Date 12-14-99

(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



**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 ☒

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 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 drlg. 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

156'

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:

APPROVED BY

Thomas Gou

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.

NO D C O L A F O R NSL

ch > c

**CONFIDENTIAL**

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, Hobbs, N.M. 88241-1980

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

DISTRICT IV  
P.O. 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 30-039-25759-00-00		*Pool Code 97037	*Pool Name CABRISTO CANYON TERTIARY
*Property Code 22182	*Property Name JICARILLA 458-8		*Well Number 7
*GRID No. 13925	*Operator Name MALLON OIL CO.		*Elevation 7121'

<sup>10</sup> Surface Location

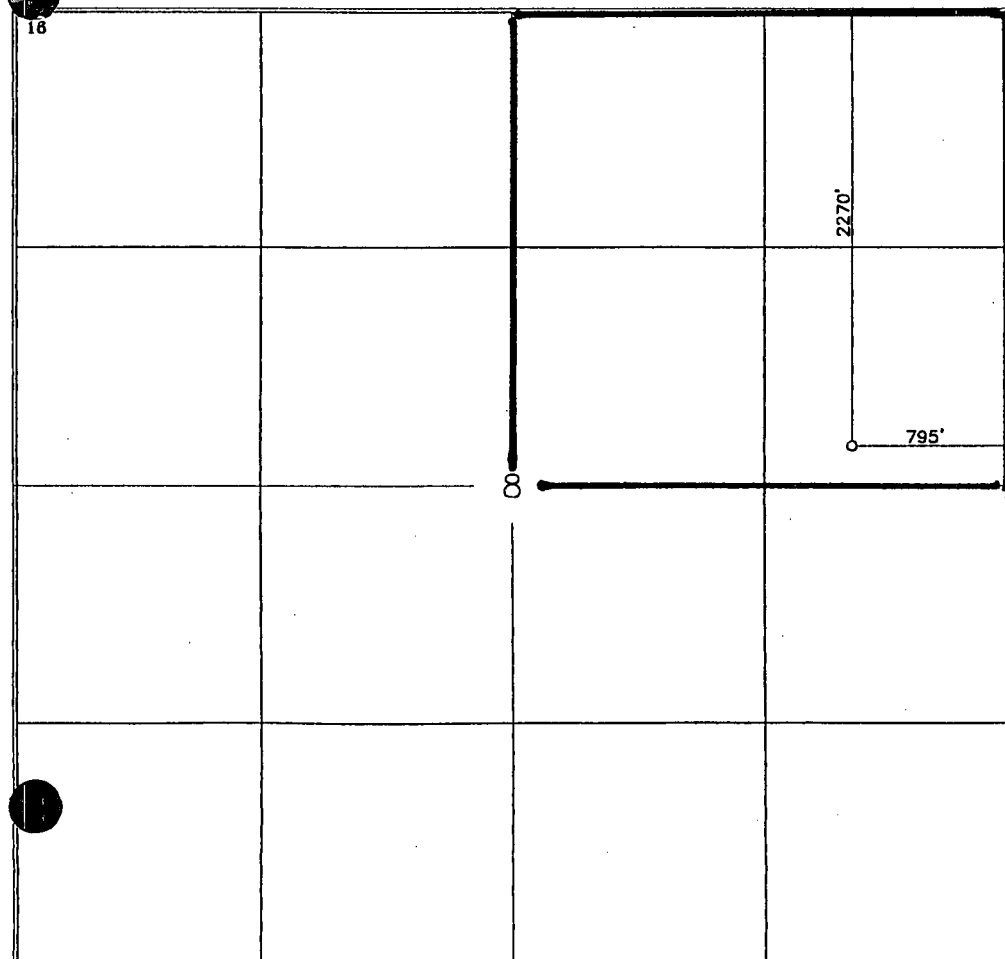
UL or lot no. H	Section 8	Township 30-N	Range 3-W	Lot Idn	Feet from the 2270	North/South line NORTH	Feet from the 795	East/West line EAST	County RIO ARriba
--------------------	--------------	------------------	--------------	---------	-----------------------	---------------------------	----------------------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

<sup>11</sup> 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
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTSUBMIT 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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. JIC 458	
b TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <input type="checkbox"/>		6. 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 458-8 NO. 7	
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		9. API WELL NO. 30-039-25759	
15. DATE SPUDDED 1/28/1998		10. FIELD AND POOL, OR WILDCAT Cabresto Canyon; Ojo Alamo Ext.	
16. DATE TD REACHED 2/7/98		11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA SEC. 8, T30N-R03W	
17. DATE COMP (Ready to Prod.) 3/9/98		12. COUNTY OR PARISH RIO ARRIBA	
18. ELEVATION OF RKB, RT, GR, ETC. 7121' GL		13. STATE NM	
19. ELEV. CASINGHEAD 7122'			
20. TOTAL DEPTH, MD & TVD 3950'		21. PLUGBACK TO, 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
8-5/8"	24 LB	502.67'	12-1/4"
4-1/2"	11.6 LB	3949'	7-7/8"
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT * SCREEN (MD)
N/A			
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
1.90	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	
DATE OF TEST 2/23/1998		WELL STATUS (Producing or Shut In) PRODUCING	
HOURS TESTED 24 HRS	CHOKE SIZE 3/8"	PROD/N FOR TEST PERIOD 0	OIL - BBL 2121
FLOW TAG PRESS 660	CASING PRESSURE 0	GAS - MCF 50	WATER - BBL 0
CALCULATED 24-HOUR RATE 0		OIL - BBL 2121	GAS - MCF 50
DISPOSITION OF GAS SOLD		TEST WITNESSED BY KISOR	
34. LIST OF ATTACHMENTS N/A			
35. 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

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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	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  
☐ 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 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  
Patricia M. Hester

Title

Lands and Mineral Resources

Date

7-29-98

Conditions of approval, if any:

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 VMA  
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 Ulloa*

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  
☐ 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 referenced well on 1-28-98.

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



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 457-9 #2

NW NW Sec.9, T30N, R3W  
695' FNL & 731' FWL  
East Blanco Field, Unit-D  
Rio Arriba County, NM

Elev. GL @ 7,216'  
Elev. KB @ 7,230' (14' KB)

Mallon Oil Company

Existing Wellbore Diagram

553'

Surface Casing

8-5/8" 24# K-55, ST&C, set @ 553' KB.  
12 1/4" Hole.  
Cmt w/ 300 sx Class-H cmt, 2% CaCl<sub>2</sub>,  
& 1/4 lbs/sx CF, circ 50 sx to surface.

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% CaCl<sub>2</sub>, 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% CaCl<sub>2</sub>, 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 int @ 30.38')  
1.9" x 8' J-55 tbg subs (2 subs @ 16.38').  
1.9" 2.9# J-55, EUE, 10R tbg (95 ints @ 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" AS-X 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:  
3,205' - 3,282'

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 NW Sec.9, T30N, R3W  
719' FNL & 802' FWL  
East Blanco Field, Unit-D  
Rio Arriba County, NM

Elev. GL @ 7,216'  
Elev. KB @ 7,230' (14' KB)

Mallon Oil Company

Existing Wellbore Diagram

709'

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% CaCl<sub>2</sub>, 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 int @ 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)  
1,599' - 1,605' (6', 4 spf, 24 holes)  
1,818' - 1,628' (10', 4 spf, 40 holes)  
1,697' - 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.

API No. 30-039-25905

9/21/00  
WJ

Jicarilla 457-9 SJ 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  
1000 Rio Brazos Rd., Aztec, N.M. 87410

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

State of New Mexico  
E. 47, 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

*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'

#### <sup>10</sup> 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

#### <sup>11</sup> 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

<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

U.S.G.L.O. BRASS CAP 917	719'	U.S.G.L.O. BRASS CAP 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 12/6/01 Date
802'			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. 5-19 Date of Survey Signature and Seal of Registered Professional Land Surveyor 8894 Certificate Number
N 00-01-59 E 5140'			

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT A COPY  
Section 5  
on reverse side)

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

LEASE DESIGNATION AND SERIAL NO.

Jic 457

IF INDIAN ALLOTTEE OR TRIBE NAME

Jicarilla Apache Tribe

UNIT AGREEMENT NAME

N/A

FARM OR LEASE NAME, WELL NO.

Jicarilla 457-9 SJ No. 2

API WELL NO.

30-039-25905

FIELD AND POOL, OR WILDCAT

Cabresto Canyon; San Jose Ext.

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

OR AREA

Sec 9-T30N-R03W

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL OIL GAS  
WELL ☐ WELL ☒ 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 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

14. PERMIT NO.

N/A

DATE ISSUED

N/A

12. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

15. DATE SPUDDED

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

ROTARY TOOLS

Yes

CABLE TOOLS

N/A

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	
				sxs to surface	
8-5/8" K-55	24 lb	1800'	12-14"	No cmt	

29. LINER 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 (Flowing, gas lift, pumping - size and type of pump) Flowing WELL STAT (Producing or Shut In) 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 T&G 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)

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):

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):				
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	

38. GEOLOGIC MARKERS			
NAME	TOP		TRUE VERT. DEPTH
	MEAS. 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.

ALBUQUERQUE

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 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 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

(Now 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 <u>Christy Serrano</u>	Title <u>Production Secretary</u>	Date <u>2-18-99</u>
(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)		
Approved B <u>[Signature]</u>	Title <u>Lands and Mineral Resources</u>	Date <u>APR 14</u>
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

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

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

#### <sup>10</sup> 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

#### <sup>11</sup> 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

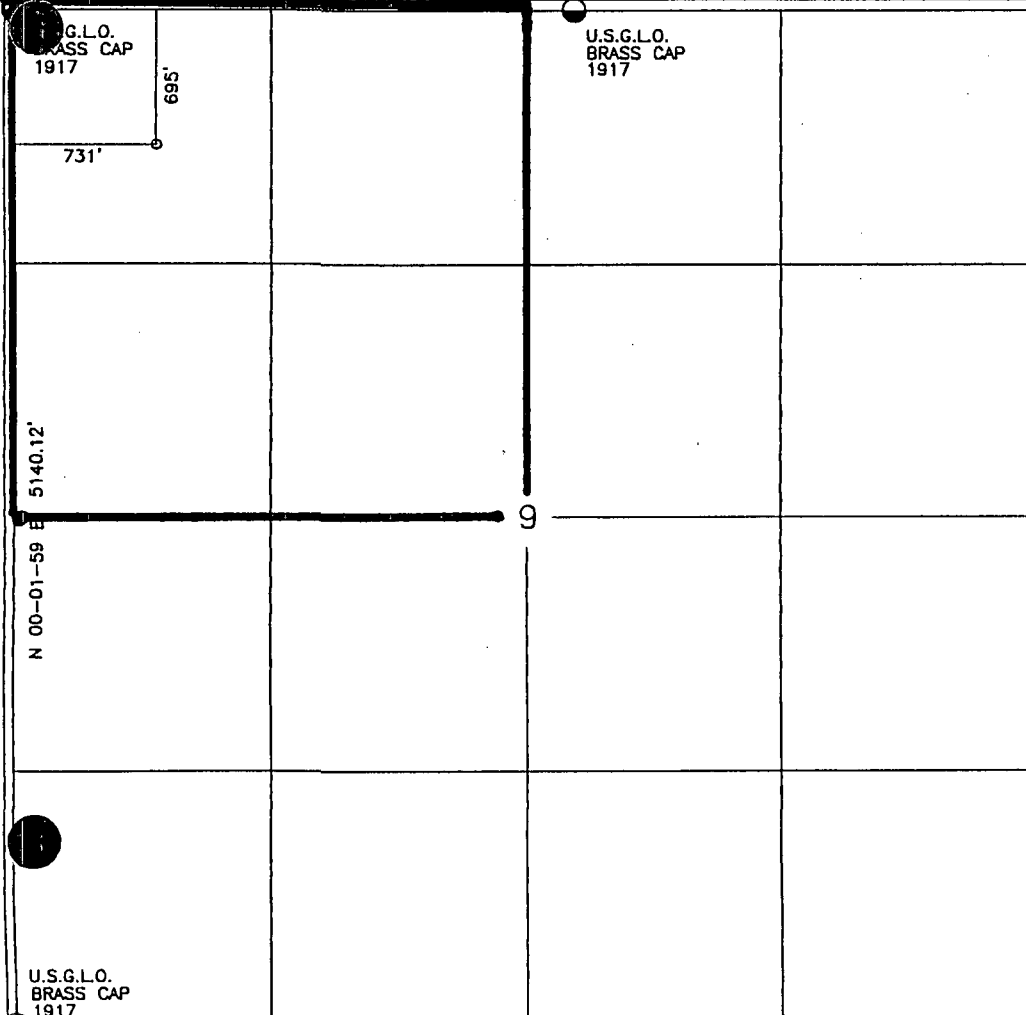
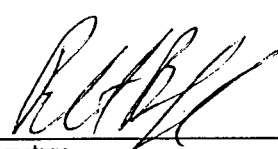

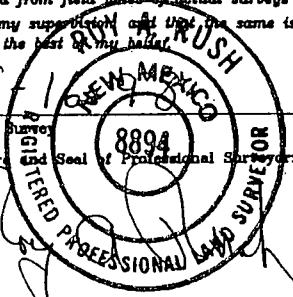
<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

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

	<b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature:  Printed Name: ROBERT BLAYLOCK Title: DISTRICT MANAGER Date: 12/6/01
	<b>18 SURVEYOR CERTIFICATION</b> 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: 9-1-01 Signature:  Seal of Professional Surveyor:  Certificate Number: 8894

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 SPURRED 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	
				50 sxs cmt to surface	
5-1/2" K-55	15.5 lb	4047'	7-7/8"	cmt 760 sxs, circ 105 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"	3090'	3089'

31. PERFORATION RECORD (Interval, size, and number)  
3205'-3282' 4 JSPF (200 Holes)

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 10/20/98	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing	WELL STAT (Producing or Shut In) Producing					
DATE OF TEST 10/9/98	HOURS TESTED 24	CHOKE SIZE 3/8"	PROD'N FOR TEST PERIOD →	OIL - BBL 0	GAS - MCF 230	WATER - BBL 12	GAS-OIL RATIO N/A
FLOW TBG PRESS 72	CASING PRESSURE 0	CALCULATED 24-HOUR RATE →	OIL - BBL 0	GAS - MCF 230	WATER - BBL 12	OIL GRAVITY - API (CORR.) 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 content; 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
				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  
DIP ALBUQUERQUE, N.M.

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. A-45757
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 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. 30-039-26064
	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 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: Ammendment	<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 B 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  
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 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. Jic 457
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 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 1-13-99

(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.

\*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

1a. TYPE OF WORK Drill <input checked="" type="checkbox"/> Deepen <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. JIC 457	
b. TYPE OF WELL Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/>		6. 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 457-9 No. 2	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 749'-FNL and 802'-FWL (NW/NW) Unit D At proposed prod. zone 749'-FNL and 802'-FWL (NW/NW) Unit D		9. API WELL NO. 30-039-26060	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 57.5 miles east of Bloomfield, New Mexico		10. FIELD AND POOL, OR WILDCAT CABRERO CANYON, OTO ALAME	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 802'		11. SEC. T. R. M. OR BLK. AND SURVEY OR AREA Sec. 9, T30N-R03W	
16. NO. OF ACRES IN LEASE 2560		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. 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	
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#	500'
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: [Signature] 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 -*

*NO. 152*

Jicarilla 457 SJ No. 1  
SW/4 Section 9-30N-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  
P.O. Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV  
P.O. 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

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.
---------------------------	--------------------	-----------------------	--------------

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				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 10/3/01 Date	
5144.7'					
N 00-02-00 W		9			
1244'		EXISTING WELL			
1498'					
FD. U.S.G.L.O. BC. 1917		S 89-56-34 E 5284.9'		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. 7-8-99 Date of Survey Signature and Seal of Professional Surveyor 8894 Certificate Number	
				FD. U.S.G.L.O. BC. 1917	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IF "PLICATE"  
(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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Jic 457	
b. TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <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 457 SJ No. 1	
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		9. API WELL NO. 30-039-26245	
15. DATE SPUDDED 12/22/99		10. FIELD AND POOL, OR WILDCAT Cabresto Canyon, San Jose	
16. DATE TO REACHED 12/30/99		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 9-T30N-R03W	
17. DATE COMP (Ready to Prod.) 01/12/00		12. COUNTY OR PARISH Rio Arriba	
18. ELEVATION (DF, RKB, RT, GR, ET) 7158'		13. STATE NM	
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. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD) 1451'-1457', 1498'-1506', 1550'-1560', 1569'-1576', 1612'-1622'		25. WAS DIRECTIONAL SURVEY MADE Yes	
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) 1612'-1622' 1550'-1560', 1569'-1576' 1451'-1457', 1498'-1506'	AMOUNT AND KIND OF MATERIAL USED acidize 800 gal 7-1/2% HCL acid acidize 1200 gal 7-1/2% HCL acid 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 1/13/00	HOURS TESTED 24	CHOKE SIZE 3/8"	PROD'N FOR TEST PERIOD →	OIL - BBL 0	GAS - MCF 470	WATER - BBL 2	GAS-OIL RATIO N/A
FLOW TBG PRESS 135	CASING PRESSURE 0	CALCULATED 24-HOUR RATE →	OIL - BBL 0	GAS - MCF 470	WATER - BBL 2	OIL GRAVITY - API (CORR.) 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	

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 <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, 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) 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

(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

CONFIDENTIAL

CONFIDENTIAL

Form 3160-3  
(July 1992)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTSUBMIT 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 (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

1244'

PROPERTY OR LEASE LINE, FT.

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

## 18. DISTANCE FROM PROPOSED LOCATION \*

TO NEAREST WELL, DRILLING, COMPLETED,

100'

OR APPLIED FOR, ON THIS LEASE, FT.

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

7158' 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#	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-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 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: 07/16/99

(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:

APPROVED BY

TITLE

DATE

\*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

NM 88210

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

Rd., Aztec, NM 87410

Pacheco, Santa Fe, NM 87505

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-24106		Pool Code 96536	Pool Name WILDCAT 30N30W41.0JO 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 hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Robert L. Bayless Printed Name Operator Title April 23, 1996 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.  Date of Survey Signature and Seal of Professional Surveyor:  Certificate Number

# CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-102  
Revised 10-1-74

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

Owner <b>ROBERT L. BAYLESS</b>			Lease <b>JICARILLA 457</b>		Well No. <b>1</b>
Well Letter <b>L</b>	Section <b>9</b>	Township <b>30 North</b>	Range <b>3 West</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: (cardinal) <div style="display: flex; justify-content: space-between;"> <span><b>1450</b> feet from the <b>South</b> line and</span> <span><b>1190</b> feet from the <b>West</b> line</span> </div>					
Ground Level Elev. <b>7154</b>	Producing Formation <b>Pictured Cliffs</b>	Pool <b>East Blanco Pictured Cliffs</b>		Dedicated Acreage: <b>160</b> Acres	

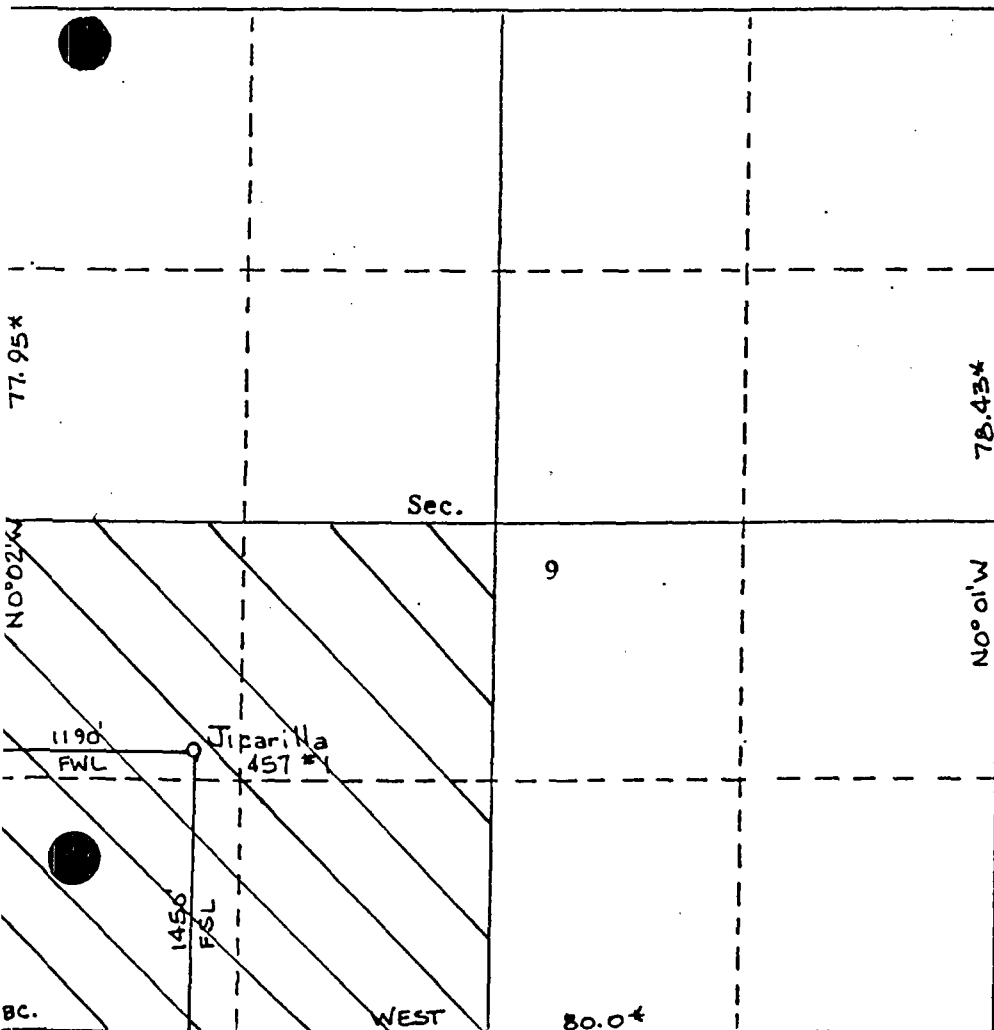
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is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

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

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

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

*Kevin H. McCord*

Name

Kevin H. McCord

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

Certificate No.

9894



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

**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 \***

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

ROTARY TOOLS

CABLE TOOLS

**0 - TD**

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
<b>7-5/8"</b>	<b>26.4 #</b>	<b>138'</b>	<b>9-7/8"</b>	<b>60 sxs Class B</b>	
<b>4-1/2"</b>	<b>11.6 #</b>	<b>4038'</b>	<b>6-3/4"</b>	<b>200 sxs 50/50 Poz</b>	

29. **LINER RECORD**

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)

30. **TUBING RECORD**

SIZE	DEPTH SET (MD)	PACKER SET (M)
<b>2-3/8"</b>	<b>3005'</b>	<b>3005'</b>

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)

**3146'-3247'**

AMOUNT AND KIND OF MATERIAL USED

**59,000 gals 75% N2 Foam**  
**76,000 lbs 12/20 Sand**

33. **PRODUCTION**

DATE FIRST PRODUCTION <b>9/7/97</b>		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) <b>Flowing</b>				WELL STATUS (Producing or Shut In) <b>Producing</b>	
DATE OF TEST <b>9/7/97</b>	HOURS TESTED <b>24</b>	CHOKE SIZE <b>1/2"</b>	PROD'N FOR TEST PERIOD 	OIL - BBL <b>0</b>	GAS - MCF <b>1319</b>	WATER - BBL <b>12</b>	GAS-OIL RATIO
FLOW TBG PRESS <b>200</b>	CASING PRESSURE <b>0</b>	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  
**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 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**

10160-5  
(March 1983)  
GSA FPMR (41 CFR) 101-11.6

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  
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.)

1. NAME OF OPERATOR  
WELL ☐ WELL ☒ OTHER

Robert L. Bayless

2. ADDRESS OF OPERATOR

P.O. Box 168, Farmington, NM 87499

3. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below)  
At surface

1450' FSL & 1190' FWL

14. PERMIT NO.

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

7154' GL 7167' RKB

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

Unders. Oto Alamo

11. SEC., T., R., 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 COMPLETION ☐

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 pertinent 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 ft<sup>3</sup>) 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 Penny 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 BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NMOOD

\*See Instructions on Reverse Side

APPROVED

AS AMENDED

225031989

AREA MANAGER

UNIT STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLIC  
(Other instructions on re-  
verse 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	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7167' RKB		10. FIELD AND POOL, OR WILDCAT Wildcat	
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:

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"/>		<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; surf. csq.	<input checked="" type="checkbox"/>		<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

22. APPROX. DATE WORK WILL START\*

23. PROPOSED CASING AND CEMENTING PROGRAM

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
GENERAL REQUIREMENTS.

This action is subject to technical and  
procedural review pursuant to 43 CFR 3165.3  
and appeal pursuant to 43 CFR 3165.4.

24. (This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY TITLE DATE

OPERATOR

\*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.

will drill 9" hole to 125' and set 125' 23#/ft J-55 casing cementing with 30 ft<sup>3</sup> Class B Cement, circulated to surface. Will drill 6 1/2" hole to 4150' and run 4150' of 4 1/2" 11.63/ft J-55 casing and cement with 206 ft<sup>3</sup> Class B with 2% econofil tailed by 89 ft<sup>3</sup> 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.

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Jicarilla 460-16 SJ No. 1  
NW/4 Section 16-30N-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

*API Number 30-039-25942-00-00		*Pool Code 97037	*Pool Name CABRISTO CANYON TERTIARY
*Property Code 23626	*Property Name JICARILLA 460-16 SJ		*Well Number 1
*GRID No. 13925	*Operator Name MALLON OIL CO.		*Elevation 7167'

<sup>10</sup> 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

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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	S 00-03-26 E 5284.9'	U.S.G.L.O. BRASS CAP 1917	<b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature <u>Robert Blaylock</u> Printed Name <u>ROBERT BLAYLOCK</u> Title <u>DISTRICT MANAGER</u> Date <u>12/6/01</u>
U.S.G.L.O. BRASS CAP 1917	<b>18 SURVEYOR CERTIFICATION</b> 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.  Date of Survey <u>12/6/01</u> Signature and Seal of Professional Surveyor: <u>[Signature]</u> Certificate Number <u>8894</u>		

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
CONFIDENTIAL  
(See other inst. 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 <input type="checkbox"/> GAS <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/> WELL <input type="checkbox"/> WEL <input checked="" type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Jic 460	
TYPE OF COMPLETION NEW <input type="checkbox"/> WORK OVER <input checked="" type="checkbox"/> DEEP. EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <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 460-16 No. 1 SJ	
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		9. API WELL NO.	
14. PERMIT NO. N/A		13. STATE NM	
15. DATE SPUNDED 9/4/98		12. COUNTY OR PARISH Rio Arriba	
16. DATE TD REACHED 9/11/98		10. FIELD AND POOL, OR WILDCAT Cabresto Canyon San Jose Ext	
17. DATE COM (Ready to Prod.) 10/02/98		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 16, T30N-R03W	
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 COMPT HOW MANY*		23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS	
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	

LINER RECORD				TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)
					1.9"	1684'
						None

31. PERFORATION RECORD (Interval, size, and number)	32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
1520'-1778', 376 holes, 4 JSPF Cabresto Canyon, San Jose Ext.	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 9/30/98	HOURS TESTED 24	CHOKE SIZE 3/8"	PROD'N FOR TEST PERIOD	OIL - BBL 0	GAS - MCF 485	WATER - BBL 48	GAS-OIL RATIO N/A
FLOW TBG PRESS 140	CASING PRESSURE 0	CALCULATED 24-HOUR RATE	OIL - BBL 0	GAS - MCF 485	WATER - BBL 48	OIL GRAVITY - API (CORR.) N/A	

34. DISPOSITION OF GAS 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)

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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.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				San Jose	1518' TD	



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)

1940' FNI and 734' FWL (SW NW) Unit E  
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 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

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 Notice ☐ 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.

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 B

*Patricia M. Hester*

Title

Energy and Mineral Resources

Date

12-1-98

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

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\*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		9. API WELL NO.	
At proposed prod. zone 1940' FNL, 734' FWL (SW NW) Unit E		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. 16, T30N-R03W	
15. DISTANCE FROM PROPOSED * LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 690'	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. 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		
23. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE 11" 7-7/8"	GRADE, SIZE OF CASING 8-5/8"	WEIGHT PER FOOT 24#	SETTING DEPTH 1180'
QUANTITY OF CEMENT cir 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 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 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.

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

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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

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 30-039-25760-00-00		*Pool Code 97037	*Pool Name CABRISTO CANYON TERTIARY
*Property Code 22183	*Property Name JICARILLA 460-16		*Well Number 1
*GRID No. 13925	*Operator Name MALLON OIL CO.		*Elevation 7168'

<sup>10</sup> Surface Location

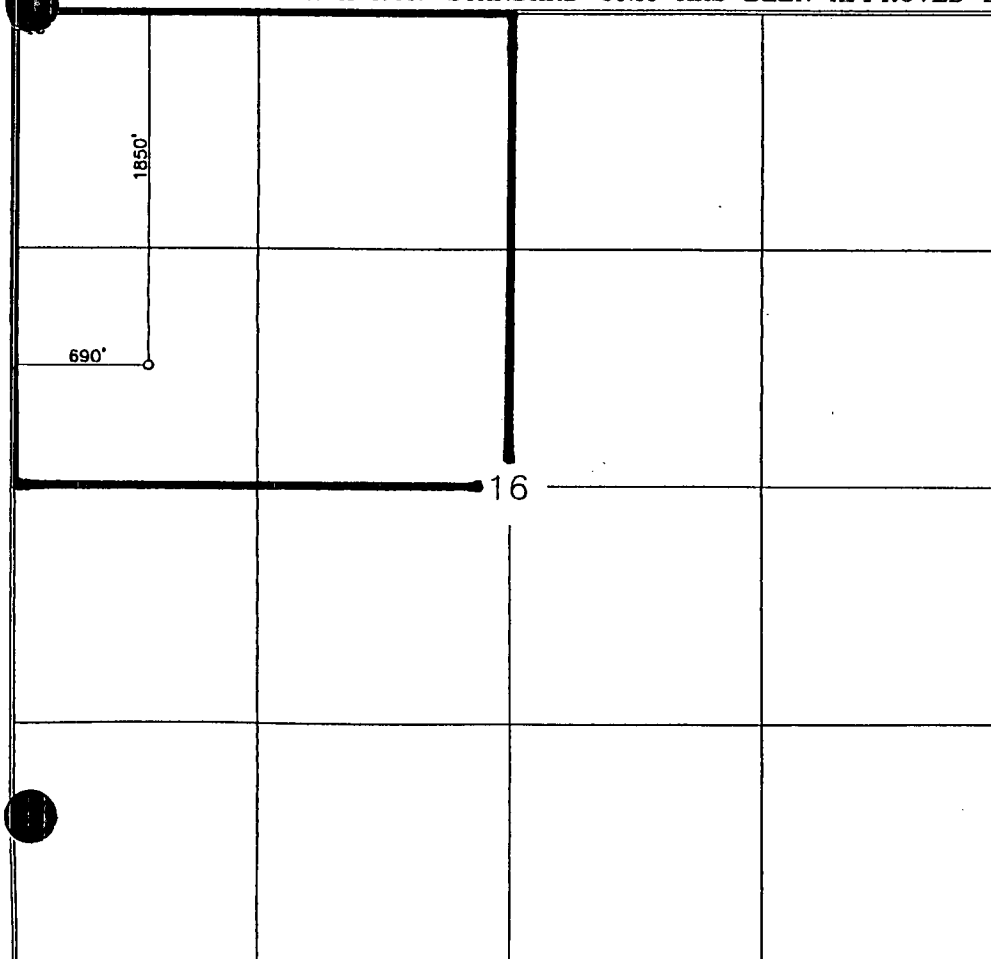
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	16	30-N	3-W		1850	NORTH	690	WEST	RIO ARRIBA

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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><b>17 OPERATOR CERTIFICATION</b></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 <u>ROBERT BLAYLOCK</u></p> <p>Title <u>DISTRICT MANAGER</u></p> <p>Date <u>12/6/01</u></p>
	<p><b>18 SURVEYOR CERTIFICATION</b></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 <u>10-12-01</u></p> <p>Signature and Seal of <u>Professional Surveyor</u></p> <p><u>8894</u></p> <p>Certificate Number</p>

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

EXEMPT FROM GDS  
(See 50 USC 552)  
(on reverse side)

FORM APPROVED  
OMB NO. 1004-0137

Expires February 28, 1995

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____										5. LEASE DESIGNATION AND SERIAL NO <b>JIC 460</b>		
TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <input type="checkbox"/>										6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Jicarilla Apache</b>		
2. NAME OF OPERATOR <b>Mallon Oil Company</b>										7. UNIT AGREEMENT NAME <b>N/A</b>		
3. ADDRESS AND TELEPHONE NO <b>P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596</b>										8. FARM OR LEASE NAME, WELL NO <b>Jicarilla 460-16 No. 1</b>		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface <b>1850' FNL, 690' FWL (SW NW), Unit E</b> At top prod. interval reported below <b>1850' FNL, 690' FWL (SW NW), Unit E</b> At total depth <b>1850' FNL, 690' FWL (SW NW), Unit E</b>										9. API WELL NO <b>30-039-25760</b>		
14. PERMIT NO. <b>N/A</b> DATE ISSUED <b>N/A</b>										12. COUNTY OR PARISH <b>Rio Arriba</b>		
15. DATE SPUDDED <b>2/22/98</b>										13. STATE <b>NM</b>		
16. DATE TO REACHED <b>2/28/98</b>			17. DATE COMP (Ready to Prod) <b>6/15/98</b>			18. ELEVATION (OF. RKB, RT, GR. E) <b>7168' GL</b>			19. ELEV CASINGHEAD <b>7169'</b>			
20. TOTAL DEPTH, MD & TVD <b>3970'</b>			21. PLUGBACK TD, MD & TVD <b>3903'</b>			22. IF MULTIPLE COMPS HOW MANY* <b>N/A</b>			23. INTERVALS DRILLED BY <b>→</b>			
24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD) <b>3164' - 3208' Ojo Alamo</b>										25. WAS DIRECTIONAL SURVEY MADE <b>YES</b>		
26. TYPE ELECTRIC AND OTHER LOGS RUN <b>GR, GDL, DSN, DIND, SGRD</b>										27. WAS WELL CORED <b>N/A</b>		
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				
5-1/8"		15/5 lb		3958'		7-7/8"		95 sxs to surface				
								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	DEPTH SET (MD)	PACKER SET (MD)	
									1.9	2997'	2998'	
31. PERFORATION RECORD (Interval, size, and number)												
3164' - 3175' 4 JSPF				44 holes								
3183' - 3208' 4 JSPF				100 holes								
Ojo Alamo												
32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.												
DEPTH INTERVAL (MD)								AMOUNT AND KIND OF MATERIAL USED				
3164' - 3208'								2500 gals 7-1/2 acid Frac 36,000 lbs sand				
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	
3/7/98	24		3/8"		→		0		673		110	
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.) <b>Sold</b>										TEST WITNESSED BY <b>Kisor</b>		
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. SUBMARINE OF POROUS ZONES: (Show all important zones of porosity and content of oil, gas, and water; note intervals; and all drill-stem, test, including depth interval tested, cushion used, time tool open, and shut-in pressures, and recoveries):

38.

GEOLOGIC MAP

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Glen Rose				Ojo Alamo	3154'	
				Kirtland	3398'	
				Fruitland	3614'	
				Pictured Cliffs	3732'	
				Lewis	3795'	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM 1000-1  
Bureau Bulletin 1000-1015  
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, Allote 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

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 <u>Christy Serrano</u> Christy Serrano	Title <u>Production Secretary</u>	Date <u>4/28/98</u>
(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)		
Approved By <u>[Signature]</u>	Title <u>Lands and Mineral Resources</u>	Date <u>MAY 7 1998</u>
Conditions of approval, if any:		

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. 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	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3550'		12. COUNTY OR PARISH Rio Arriba	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, Etc.) 7168'		13. STATE NM	
16. NO. OF ACRES IN LEASE 1999.99		17. NO. OF ACRES ASSIGNED TO THIS WELL 160	
19. PROPOSED DEPTH 4500'		20. ROTARY OR CABLE TOOLS Rotary	
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'

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

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

<sup>1</sup> API Number 30-039-26238-00-00	<sup>2</sup> Pool Code 97037	<sup>3</sup> Pool Name CABRISTO CANYON TERTIARY
<sup>4</sup> Property Code 23626	<sup>5</sup> Property Name JICARILLA 460-16 SJ	<sup>6</sup> Well Number 4
<sup>7</sup> OGRID No. 13925	<sup>8</sup> Operator Name MALLON OIL CO.	<sup>9</sup> Elevation 7251'

<sup>10</sup> Surface Location

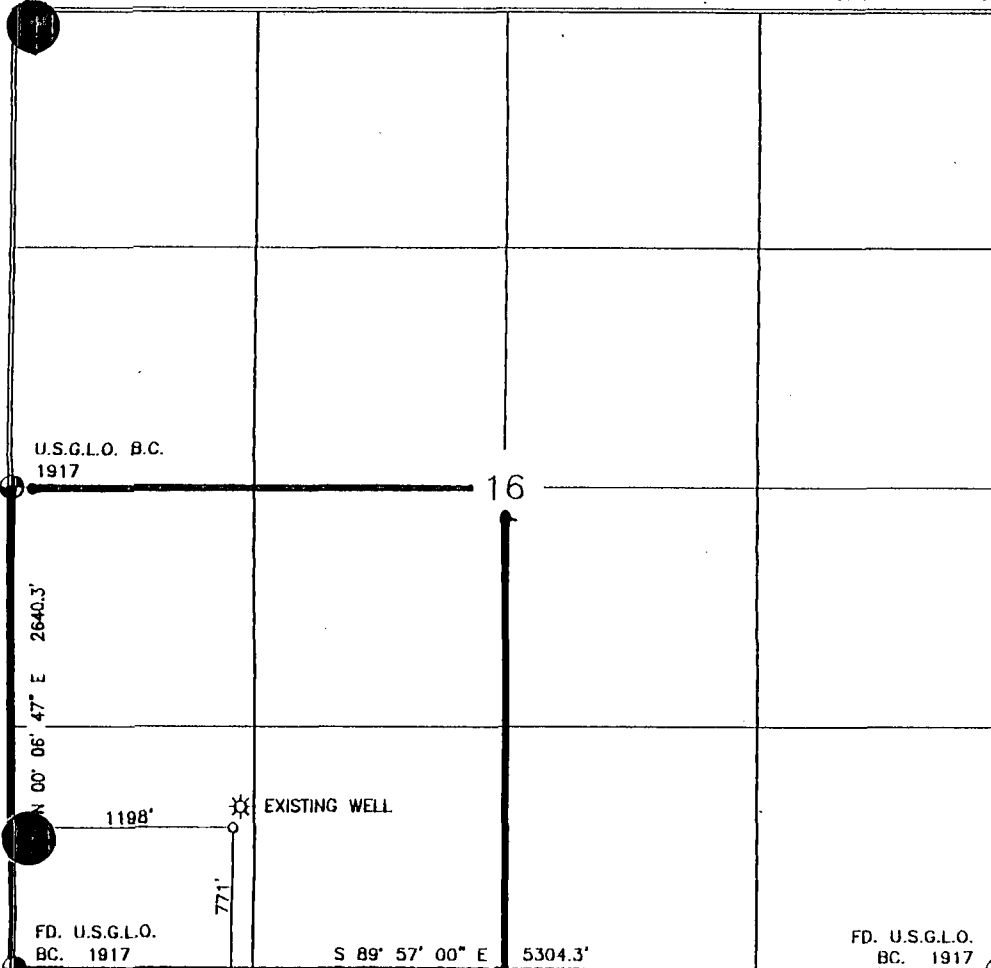
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	16	30-N	3-W		771	SOUTH	1198	WEST	RIO ARRIBA

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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><b><sup>17</sup> OPERATOR CERTIFICATION</b></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 <u>ROBERT BLAYLOCK</u></p> <p>Title <u>DISTRICT MANAGER</u></p> <p>Date <u>12/6/01</u></p> <p><b><sup>18</sup> SURVEYOR CERTIFICATION</b></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 <u>7-8-99</u></p> <p>Signature and Seal of <u>Robert A. Rush</u></p> <p>Professional Surveyor <u>8894</u></p> <p>Certificate Number <u>8894</u></p>
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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

SUBMIT IN DUPL  
(See other instr.  
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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Jicarilla Apache Tribe</b>	
TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <input type="checkbox"/>		7. UNIT AGREEMENT NAME <b>N/A</b>	
2. NAME OF OPERATOR <b>Mallon Oil Company</b>		8. FARM OR LEASE NAME, WELL NO. <b>Jicarilla 460-16 SJ No. 4</b>	
3. ADDRESS AND TELEPHONE NO. <b>P. O. Box 2797 Durango, CO 81302 (970) 382-9100</b>		9. API WELL NO.	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *) At surface <b>771' FSL and 1198' FWL (SW SW) Unit M</b> At top prod. interval reported below <b>771' FSL and 1198' FWL (SW SW) Unit M</b> At total depth <b>771' FSL and 1198' FWL (SW SW) Unit M</b>		10. FIELD AND POOL, OR WILDCAT <b>Cabresto Canyon; San Jose Ext.</b>	
14. Permit No. <b>N/A</b>		13. STATE <b>NM</b>	
15. DATE SPUDDED <b>10/20/99</b>		12. COUNTY OR PARISH <b>Rio Arriba</b>	
16. DATE TD REACHED <b>10/25/99</b>		19. ELEV. CASINGHEAD <b>7252</b>	
17. DATE COM (Ready to Prod.) <b>11/9/99</b>		18. ELEVATION (DF, RKB, RT, GR, E) <b>7251'</b>	
20. TOTAL DEPTH, MD & TVD <b>2100</b>		23. INTERVALS DRILLED BY <b>Yes</b>	
21. PLUGBACK TD, MD & TVD <b>1846'</b>		22. IF MULTIPLE COMP HOW MANY* <b>N.A.</b>	
24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*) <b>1682-1682, 1656-1662, 1618-1644 Cabresto Canyon; San Jose Ext.</b>		25. WAS DIRECTIONAL SURVEY MADE <b>Yes</b>	
26. TYPE ELECTRIC AND OTHER LOGS RUN <b>Exitsting (Jicarilla 460-16 No. 4)</b>		27. WAS WELL CORED <b>N.A.</b>	

**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"	cmt 300 sxs 50/50 poz	
				cmt 34 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	1604'	N.A.

31. PERFORATION RECORD (Interval, size, and number) <b>1682'-1692', 1656'-1662' @ 4JSPF (64 holes)</b> <b>1618'-1644' @ 2 JSPF (52 holes)</b> <b>Cabresto Canyon; San Jose Ext.</b>		32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL (MD) <b>(1618'-1644'</b> <b>1662'-1692')</b> AMOUNT AND KIND OF MATERIAL USED <b>acidize with 2500 gal 7-1/2% HCL</b> <b>frac 20,000 lbs 12/20 sand</b>	
---	--	--	--

33. PRODUCTION							
DATE FIRST PRODUCTION <b>11/9/99</b>		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) <b>Flowing</b>			WELL STAT (Producing or Shut In) <b>Producing</b>		
DATE OF TEST <b>11/3/99</b>	HOURS TESTED <b>24</b>	CHOKE SIZE <b>3/8"</b>	PROD'N FOR TEST PERIOD <b>0</b>	OIL - BBL <b>512</b>	GAS - MCF <b>0</b>	WATER - BBL <b>0</b>	GAS-OIL RATIO <b>N.A.</b>
FLOW TBG PRESS <b>150</b>	CASING PRESSURE <b>0</b>	CALCULATED 24-HOUR RATE <b>0</b>	OIL - BBL <b>512</b>	GAS - MCF <b>0</b>	WATER - BBL <b>0</b>	OIL GRAVITY - API (CORR.) <b>N.A.</b>	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) <b>Sold</b>	TEST WITNESSED BY <b>Mike Davis</b>
--	--

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 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; 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
				San Jose	1605'	

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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

☐ 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% CaCl<sub>2</sub>, 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

CONFIDENTIAL

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Form 3100-5  
(JUNE 1993)

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  
Sec., 16-30N-R03W, Unit M

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

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: TD change ☐ 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:

This 18 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

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Form 3160-3  
(July 1992)SUBMIT IN TRIPPLICATE  
(Other instructions on  
reverse side)FORM APPROVED  
OMB NO. 1004-0136  
Expires February 28, 1995UNITED 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. JIC 460	
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 460-16SJ No. 4	
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		9. API WELL NO. 30-039-26238	
At proposed prod. zone 771' FSL and 1198' FWL (SW/SW) Unit M		10. FIELD AND POOL, OR WILDCAT Cabresto Canyon, San Jose ext.	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 52 miles east of Bloomfield, New Mexico		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 16, 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	17. NO. OF ACRES ASSIGNED TO THIS WELL	
1198'	1,920	161/160	
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	
100'	1800'	Rotary	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, Etc.)	22. APPROX. DATE WORK WILL START		
7251' GR	09/01/99		
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' 500'
7-7/8"	4-1/2"	14.7#	1800'
		QUANTITY OF CEMENT	
		Circulate to surface	
		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

(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. Erickson 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.

CONFIDENTIAL

NSL-4355(E)

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

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

<sup>1</sup> API Number 30-039-25785-00-00	<sup>2</sup> Pool Code 97037	<sup>3</sup> Pool Name CABRISTO CANYON TERTIARY
<sup>4</sup> Property Code 22183	<sup>5</sup> Property Name JICARILLA 460-16	<sup>6</sup> Well Number 4
<sup>7</sup> OGRID No. 13925	<sup>8</sup> Operator Name MALLON OIL CO.	<sup>9</sup> Elevation 7251'

<sup>10</sup> Surface Location

UL or lot no. M	Section 16	Township 30-N	Range 3-W	Lot Idn	Feet from the 840	North/South line SOUTH	Feet from the 1180	East/West line WEST	County RIO ARRIBA
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<sup>11</sup> 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
<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

<sup>16</sup> 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' 840' N 89° 58' 00" E (RECORD)	<sup>17</sup> 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 12/6/01 Date	<sup>18</sup> 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.  12 Date of Survey Signature and Seal of Professional Surveyor 8894 REGISTERED PROFESSIONAL LAND SURVEYOR 8894 Certificate Number
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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 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

12. COUNTY OR PARISH RIO ARRIBA  
13. STATE NM

15. DATE SPURRED 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 SDUDSN, 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	
				CIRC 84 SXS TO SURFACE	
4-1/2"	10.5 LB	4049'	7-7/8"	870 SXS CMT, CIRC 10 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				2-3/8"	3121'	3122'

31. PERFORATION RECORD (Interval, size, and number)	32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
3247' - 3291', 4JSPF, 176 HOLES CABRESTO CANYON, OJO ALAMO EXT.	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 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
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 (Sold, used for fuel, vented, etc.)  
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)

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

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	<input type="checkbox"/> Dispose Water
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)		

3. 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  
Christy Serrano

Title Production Secretary

Date 4/27/98

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved By [Signature]

Lands and Mineral Resources MAY 7 1998

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 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				5. LEASE DESIGNATION AND SERIAL NO	
1a. TYPE OF WORK Drill <input checked="" type="checkbox"/> Deepen <input type="checkbox"/>				Jicarilla 460	
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 13425				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. 4 22183	
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 proposed prod. zone 840' FSL and 1180' FWL (SW SW) Unit M				9. API WELL NO. 30-C-39-25785	
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 7286	
15. DISTANCE FROM PROPOSED * LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1180'				11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 16, T30N-R3W	
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. 2400'				20. ROTARY OR CABLE TOOLS Rotary	
19. PROPOSED DEPTH 4500'				22. APPROX. DATE WORK WILL START February 28, 1998	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, Etc.) 7251, 7421				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'	570-885 Surface	

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

OIL CON. DIV.  
DIST. 3

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: 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: Land 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.

*[Handwritten signature]*

Jicarilla 459 SJ No. 8  
NW/4 Section 17-30N-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

*API Number 30-039-26230-00-00		*Pool Code 97037	*Pool Name CABRISTO CANYON TERTIARY
*Property Code 24591	*Property Name JICARILLA 459 SJ		*Well Number 8
*GRID No. 13925	*Operator Name MALLON OIL CO.		*Elevation 7077'

<sup>10</sup> 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

<sup>11</sup> 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
<sup>12</sup> Dedicated Acres 160		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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. 1917 1173' EXISTING WELL	S 89-58-39 E 5278.1'	FD. U.S.G.L.O. BC. 1917	<b>17 OPERATOR CERTIFICATION</b> 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 12/06/01 Date
			<b>18 SURVEYOR CERTIFICATION</b> 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  7-9-2004 Date of Survey Signature and Seal of Professional Surveyor 8894 Certificate Number

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

SUBMIT IN DUPL.  
(See other instr.  
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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NO. Jic 459																									
b. TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache Tribe																									
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 459 SJ No. 8																									
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		9. API WELL NO. 30-039-26230																									
14. Permit No. N/A		Date Issued N/A																									
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'		12. COUNTY OR PARISH Rio Arriba																									
13. STATE NM		10. FIELD AND POOL, OR WILDCAT Cabresto Canyon; San Jose Ext.																									
20. TOTAL DEPTH, MD & TVD 1800'		21. PLUGBACK TD, MD & TVD 1740'																									
22. IF MULTIPLE COMP. HOW MANY*		23. INTERVALS DRILLED BY →																									
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)																											
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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. <table border="1"><thead><tr><th>DEPTH INTERVAL (MD)</th><th>AMOUNT AND KIND OF MATERIAL USED</th></tr></thead><tbody><tr><td>1578'-1622'</td><td>acidize 1800 gal 7-1/2% HCL acid</td></tr><tr><td>1473'-1516'</td><td>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</td></tr></tbody></table>				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																		
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			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

FILED Christy Serrano (Christy Serrano) Production Secretary DATE 1-29-99

\*(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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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	1455'	

# GEOLOGIC MARKERS



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 <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 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 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. 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

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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 <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 2797 Durango, CO 81302 (970) 382-9100		8. FARM OR LEASE NAME, WELL NO. Jicarilla 459SJ No. 8	
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		9. API WELL NO. 30-039-26230	
At proposed prod. zone 286' FNL and 1173' FWL (NW/NW) Unit D		10. FIELD AND POOL, OR WILDCAT Cabresto Canyon, San Jose ext.	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 51 miles east of Bloomfield, New Mexico		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 17, T30N-R03W	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 286'		12. COUNTY OR PARISH Rio Arriba	
16. NO. OF ACRES IN LEASE 2,267		13. STATE NM	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 100'		17. NO. OF ACRES ASSIGNED TO THIS WELL 160	
19. PROPOSED DEPTH 1800'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (SHOW WHETHER OF, RT, GR, Etc.) 7077' 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#	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-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: 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: Jean 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.

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NSL-4355 @

Jicarilla 459 No. 8  
NW/4 Section 17-30N-3W

BY 101733 SEP 2 1997

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  
**OIL CONSERVATION DIVISION**  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 10, 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**

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

**10 Surface Location**

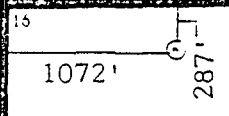
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	17	30N	03W		287	North	1072	West	Rio Arriba

**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 N	Consolidation Code N/A	Order No. N/A
------------------------	----------------------	---------------------------	------------------

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

<div>15</div> 				<b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  <div>Theresa A. McAndrews</div> <div>Signature</div> <div>Theresa A. McAndrews</div> <div>Printed Name</div> <div>Office Manager</div> <div>Title</div> <div>08/27/97</div> <div>Date</div>
				<b>18 SURVEYOR CERTIFICATION</b> 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.  <div></div> <div>Date of Survey</div> <div>Signature and Seal of Professional Surveyor:</div> <div></div> <div>Certificate Number</div>

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 \***

a. 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 287' FNL and 1072' FWL (NE NW) Unit C.D  
NW

At top prod. interval reported below 287' FNL and 1072' FWL (NE NW) Unit C.D  
NW

At total depth 287' FNL and 1072' FWL  
(NE NW) Unit C

14. PERMIT NO.  
N/A

DATE ISSUED  
N/A

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

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

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#	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)	SIZE	DEPTH SET (MD)	PACKER SET (M)
N/A	N/A	N/A	N/A	N/A	2-3/8"	3103'	3103'

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size, and number)

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 08/19/97 PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing WELL STATUS (Producing or Shut In) Producing

DATE OF TEST 08/16/97 HOURS TESTED 24 CHOKE SIZE 3/4 PROD'N FOR TEST PERIOD → OIL - BBL 0 GAS - MCF 900 WATER - BBL 0 GAS-OIL RATIO N/A

FLOW TBG PRESS 60 CASING PRESSURE 0 CALCULATED 24-HOUR RATE → OIL - BBL 0 GAS - MCF 900 WATER - BBL 0 OIL GRAVITY - API (CORR.) 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 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. 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

CABLE TOOLS

0 - TD

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 <sup>3</sup> ) Class B	w/3% CaCl <sub>2</sub>
4 1/2"	10.5#/ft	4048' KB	7 7/8"	300 sx (618 ft <sup>3</sup> ) Class B	w/2% Econolite,
				1/4# flocele/sx; 175 sx (221 ft <sup>3</sup> ) 50/50	
				pozmix w/2% gel, 10% salt & 1/4# flocele/	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	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 1.1 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

1/27/89

HOURS TESTED

3

CHOKE SIZE

3/4"

PROD'N. FOR TEST PERIOD

→

OIL—BBL.

-0-

GAS—MCF.

198

WATER—BBL.

-0-

GAS-OIL RATIO

N/A

FLOW. TUBING PRESS.

90

CASING PRESSURE

1085

CALCULATED 24-HOUR RATE

→

OIL—BBL.

-0-

GAS—MCF.

1586

WATER—BBL.

-0-

OIL GRAVITY-API (CORR.)

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

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

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  
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

<sup>1</sup> API Number 30-039-26241-00-00	<sup>2</sup> Pool Code 97037	<sup>3</sup> Pool Name CABRISTO CANYON TERTIARY
<sup>4</sup> Property Code 24940	<sup>5</sup> Property Name JICARILLA 459 SJ	<sup>6</sup> Well Number 1
<sup>7</sup> GRID No. 13925	<sup>8</sup> Operator Name MALLON OIL COMPANY	<sup>9</sup> Elevation 7085'

<sup>10</sup> 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

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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	<b>17 OPERATOR CERTIFICATION</b> <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>  Signature <u>Robert Blaylock</u> Printed Name <u>ROBERT BLAYLOCK</u> Title <u>DISTRICT MANAGER</u> Date <u>12/6/01</u>	
			<b>18 SURVEYOR CERTIFICATION</b> <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 <u>11-10-01</u> Signature and Seal of Professional Surveyor: <u>[Signature]</u> 8894 Certificate Number
	FD. U.S.G.L.O. BC. 1917	N 9-58-29 W 4078.5'	FD. U.S.G.L.O. BC. 1917

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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NO. Jic 459	
b. TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <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 459 SJ No. 1	
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		9. API WELL NO. 30-039-26241	
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'		12. COUNTY OR PARISH Rio Arriba	
13. STATE NM		10. FIELD AND POOL, OR WILDCAT Cabresto Canyon, San Jose	
20. TOTAL DEPTH, MD & TVD 1800'		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 18-T30N-R03W	
21. PLUGBACK TD, MD & TVD 1760'		22. IF MULTIPLE COM., HOW MANY* →	
23. INTERVALS DRILLED BY →		ROTARY 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					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET(MD)
N.A.					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 12/30/99	HOURS TESTED 24	CHOKE SIZE 3/8"	PROD'N FOR TEST PERIOD →	OIL - BBL 0	GAS - MCF 250	WATER - BBL 30	GAS-OIL RATIO N/A
FLOW TBG PRESS 65	CASING PRESSURE 0	CALCULATED 24-HOUR RATE →	OIL - BBL 0	GAS - MCF 250	WATER - BBL 30	OIL GRAVITY - API (CORR.) 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 <u>Linda D. Wilkins</u> (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, 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	1491	

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 <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, 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) 1572' FSL and 896' FEL (NE SE) Unit I Sec. 18, T30N-R03W	8. Well Name and No. Jicarilla 459 SJ No. 1
	9. Well API No. 30-039-26241
	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 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 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.

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

Title

Petro E-g

Date

12/22/09

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 3100-1  
(July 1992)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTSUBMIT IN TRIPLICATE  
(Other Instructions on  
reverse side)FORM APPROVED  
OMB NO. 1004-0138  
Expires February 28, 1995

## APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

Drill ☒ Deepen ☐

1b. 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 (Report location clearly and in accordance with any State requirements.)

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 3086'

PROPERTY OR LEASE LINE, FT.

(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

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-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 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

TITLE

DATE

\*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

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  
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

*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
*OGRID No. 13925	*Operator Name MALLON OIL COMPANY		*Elevation 7085'

<sup>10</sup> 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

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

				<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature: Printed Name: ROBERT BLAYLOCK Title: DISTRICT MANAGER Date: 12/6/01	
				<sup>18</sup> 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: 5/24/01 Signature: Seal of Registered Professional Surveyor: Certificate Number: 8894	
FD. U.S.G.L.O. BC. 1917				FD. U.S.G.L.O. BC. 1917	

# CONFIDENTIAL

Form 3160-4  
(July 1992)

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 <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input type="checkbox"/> WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>				5. LEASE DESIGNATION AND SERIAL NO JIC459	
b. TYPE OF COMPLETION NEW <input type="checkbox"/> WORK <input type="checkbox"/> DEEP- <input type="checkbox"/> PLUG <input type="checkbox"/> DIFF <input type="checkbox"/> WELL <input type="checkbox"/> OVER <input checked="" type="checkbox"/> EN <input type="checkbox"/> BACK <input type="checkbox"/> RESVR <input 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 3256, Carlsbad, NM 88220 (505) 885-4596				8. FARM OR LEASE NAME, WELL NO Jicarilla 459 No. 1	
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				9. API WELL NO. 30-039-24087	
14. PERMIT NO. N/A		DATE ISSUED N/A		12. COUNTY OR PARISH Rio Arriba	
				13. STATE New Mexico	
15. DATE SPUDDED N/A		16. DATE TD REACHED N/A		18. ELEVATION (DF, RKB, RT, GR, ETC*) N/A	
17. DATE COMP (Ready to Prod.) 11/21/97				19. ELEV. CASINGHEAD N/A	
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 →	
				ROTARY TOOLS N/A	
				CABLE TOOLS N/A	
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	

### 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					

### LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)
N/A	N/A	N/A	N/A	N/A

### TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (M)
2-3/8"	3032'	3034'

31. PERFORATION RECORD (Interval, size, and number) 3136'-3194' 4 JSPF		32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL (MD) 3136'-3194' AMOUNT AND KIND OF MATERIAL USED Acidize 1000 gls Frac 52,800 lbs. sand	
---	--	---	--

### 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 →	OIL - BBL 0	GAS - MCF 1300	WATER - BBL 112	GAS-OIL RATIO 0
FLOW TBG PRESS 400	CASING PRESSURE 0	CALCULATED 24-HOUR RATE →	OIL - BBL 0	GAS - MCF 1300	WATER - BBL 112	OIL GRAVITY - API (CORR.) 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)

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



CONFIDENTIAL

Form 3190-5  
U.S.G.E. 12501UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
Bureau Bureau No. 1704-0135  
Effective 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)

1665' FSL and 940' FEL (NE SE) Unit I  
Sec. 18, T30N-R3W5. Lease Designation and Serial No.  
JIC459

6. If Indian, Alakote 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

## 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:
- ☐ 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" tbq and  
pkr, set pkr at 3034'. Initiate production through 2-3/8"  
tbq.

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

Signed

M. Say Davis

Title

Production Analyst

Date

12-15-97

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved By

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

CONFIDENTIAL

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. 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

1665' FSL & 940' FEL

At top prod. interval reported below

same

At total depth

same

14. PERMIT NO.

DATE ISSUED

BUREAU OF LAND MANAGEMENT  
FARMINGTON RESOURCE AREA

RECEIVED

FEB 04 1987

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 19. ELEV. CASINGHEAD

11/10/86

11/18/86

12/06/86

7098' RKB 7085' GL

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 25. WAS DIRECTIONAL SURVEY MADE

4060' RKB

4000 RKB

0 - TD

PC: 3680 - 3733

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

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 <sup>3</sup> ) Class "B" w/3% CaCl <sub>2</sub>	
4 1/2"	11.6#	4049' RKB	6 3/4"	180sx(227ft <sup>3</sup> ) 50/50 pozmix	

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"	3704' RKB	None

31. PERFORATION RECORD (Interval, size and number)

3680 - 3693

3696 - 3698

3704 - 3706

3710 - 3714

3722 - 3733

Total 69 holes

2 JSPF

.34"

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3680 - 3733	750 gal. 7 1/2% DI HCL weighted acid;
	120 RCN ball sealers; 80,000 gal.
	70 quality foam w/90,000#
	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)
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-	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
192	522	→	-0-	2479	-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

\*(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.	NAME	TOP	
						MEAS. DEPTH	TRUE VERT. DEPTH
OJO ALAMO	3126	3353	water	OJO ALAMO KIRTLAND FRUITLAND P.C.	OJO ALAMO KIRTLAND FRUITLAND P.C.	3126	
KIRTLAND	3353	3474	water			3353	
FRUITLAND	3474	3677	water and natural gas			3474	
P.C.	3677	4060	natural gas			3677	

Jicarilla 459 SJ 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  
P.O. 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

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

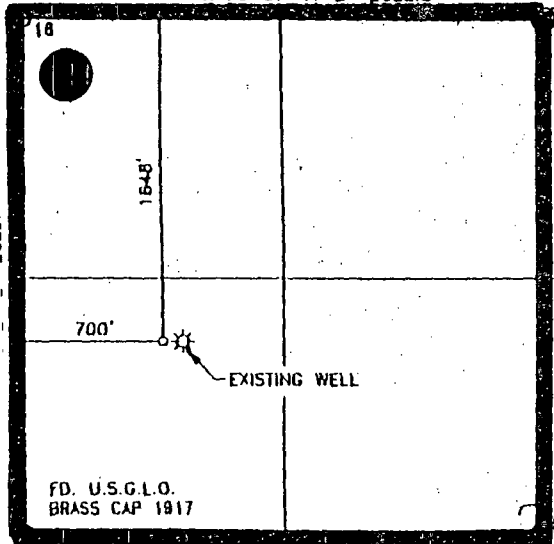


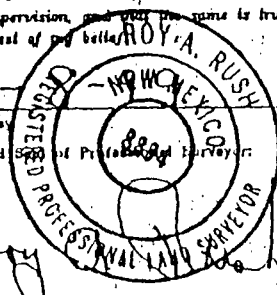
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	20	30-N	3-W		1648	NORTH	700	WEST	RIO ARriba

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>FD. U.S.G.L.O. BRASS CAP 1917</p>	FD. MOUND OF STONES WITH B.T.	<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 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> Date of Survey Signature and Seal of Professional Surveyor  8894 Certificate Number</p>

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

SUBMIT IN DUP. E\*  
(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 ☐ GAS ☐  
WELL ☐ WEL ☒ DRY ☐ OTHER ☐

b. 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 **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 SPUDDED <b>11/13/99</b>	16. DATE TD REACHED <b>11/17/1999</b>	17. DATE COM (Ready to Prod.) <b>12/14/99</b>	18. ELEVATION (DF, RKB, RT, GR, E) <b>7162</b>	19. ELEV. CASINGHEAD <b>7163</b>
20. TOTAL DEPTH, MD & TVD <b>2100'</b>	21. PLUGBACK TD, MD & TVD <b>2018'</b>	22. IF MULTIPLE COMP. HOW MANY* <b>1</b>	23. INTERVALS DRILLED BY <b>ROTARY TOOLS</b>	CABLE TOOLS <b>N/A</b>

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**

**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
<b>8-5/8"</b>	<b>24</b>	<b>239</b>	<b>12-1/4"</b>	<b>cmt 120 sxs Type 3 cmt</b>	
				<b>circ 32 sxs to surface</b>	
<b>4-1/2"</b>	<b>11.6</b>	<b>2091'</b>	<b>6-3/4"</b>	<b>cmt 286 sxs Type 3 50:50 poz</b>	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					<b>1.9</b>	<b>1552.44</b>	<b>N.A.</b>

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 <b>12/15/99</b>		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) <b>Flowing</b>			WELL STAT (Producing or Shut In) <b>Producing</b>		
DATE OF TEST <b>12/9/99</b>	HOURS TESTED <b>24</b>	CHOKE SIZE <b>3/8"</b>	PROD'N FOR TEST PERIOD <b>0</b>	OIL - BBL <b>0</b>	GAS - MCF <b>480</b>	WATER - BBL <b>6</b>	GAS-OIL RATIO <b>N.A.</b>
FLOW TBG PRESS <b>140</b>	CASING PRESSURE <b>0</b>	CALCULATED 24-HOUR RATE <b>0</b>	OIL - BBL <b>0</b>	GAS - MCF <b>480</b>	WATER - BBL <b>6</b>	OIL GRAVITY - API (CORR.) <b>N.A.</b>	

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 3150-5  
(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)

1648' FNL and 700' FWL (SW NW) Unit E  
Sec. 20, T30N-R03W

5. Lease Designation and Serial No.

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 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

- ☐ 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.)

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 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.

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

Signed

Christy Senano

Title

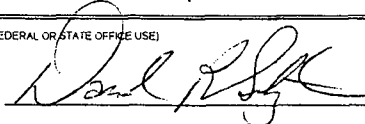
Production Clerk

Date

11-19-99

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved B



Title

Lands and Mineral Resources

Date

FEB 10 2000

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

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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

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 (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

3500'

PROPERTY OR LEASE LINE, FT.

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

18. DISTANCE FROM PROPOSED LOCATION \*

TO NEAREST WELL, DRILLING, COMPLETED,

100'

OR APPLIED FOR, ON THIS LEASE, FT.

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

7162' GR

16. NO. OF ACRES IN LEASE

2,267

17. NO. OF ACRES ASSIGNED

TO THIS WELL

189 160

19. PROPOSED DEPTH

1800'

20. ROTARY OR CABLE TOOLS

Rotary

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#	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-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

(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

Post Field Man.

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

<sup>1</sup> API Number 30-039-24157-00-00	<sup>2</sup> Pool Code 97037	<sup>3</sup> Pool Name CABRISTO CANYON TERTIARY
<sup>4</sup> Property Code 20465	<sup>5</sup> Property Name JICARILLA 459	<sup>6</sup> Well Number 2
<sup>7</sup> OGRID No. 13925	<sup>8</sup> Operator Name MALLON OIL CO.	<sup>9</sup> Elevation 7164'

<sup>10</sup> Surface Location

UL or lot no. E	Section 20	Township 30-N	Range 3-W	Lot Idn	Feet from the 1648	North/South line NORTH	Feet from the 800'	East/West line WEST	County RIO ARRIBA
--------------------	---------------	------------------	--------------	---------	-----------------------	---------------------------	-----------------------	------------------------	----------------------

<sup>11</sup> 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
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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	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 12/6/91 Date
2639.4'	1648'		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.  8-14-98 Date of Survey Signature and Seal of Professional Surveyor 8894 Certificate Number
800'			
N. 00-05-21 E	20		
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 OIL GAS  
WELL ☐ WELL ☒ DRY ☐ OTHER ☐

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

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

14. PERMIT NO.

N/A

DATE ISSUED

N/A

12. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

15. DATE SPURRED

11/3/87

16. DATE TO REACHED

11/10/87

17. DATE COMP (Ready to Prod.)

1/28/98

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

47162' GL

19. ELEV. CASINGHEAD

7163'

20. TOTAL DEPTH, MD & TVD

4150'

21. PLUGBACK TD, MD & TVD

3650'

22. IF MULTIPLE COMP.

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\*)

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
5" casing					

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					1.9	3095'	3096'

31. PERFORATION RECORD

(Interval, size, and number)

3228' - 3252'

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL (MD)



3228'-3252'

AMOUNT AND KIND OF MATERIAL USED

1500 gal. 7-1/2 acid  
frac 31, 400 lbs. Sand

CIBP 3085' Cabresto Canyon, Ojo Alamo Ext.

33. PRODUCTION

DATE FIRST PRODUCTION 01/27/98		PRODUCTION METHO (Flowing, gas lift, pumping - size and type of pump) Flowing			WELL STAT (Producing or Shut In) producing		
DATE OF TEST 1/25/98	HOURS TESTED 24	CHOKE SIZE 3/8"	PROD'N FOR TEST PERIOD 	OIL - BBL	GAS - MCF 1319	WATER - BBL 20	GAS-OIL RATIO N/A
FLOW TBG PRESS 405	CASING PRESSURE 0	CALCULATED 24-HOUR RATE 	OIL - BBL	GAS - MCF 1319	WATER - BBL 20	OIL GRAVITY - API (CORR.) NA	

34. DISPOSITION OF GAS

Sold

(Sold, used for fuel, vented, etc.)

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  
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

☐ 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)

1650' FNL and 790' FWL (SW NW) Unit E  
Sec. 20, T30N-R3W

5. Lease Designation and Serial No.  
JIC459

6. If Indian, Allotee or Tribe Name

Jicarilla Apache

7. If Unit or CA, Agreement Designation

N/A

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

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ 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

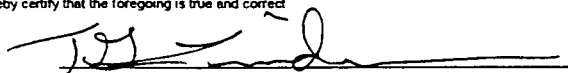
(Note: Report results of multiple completion on "Well Completion or Recompletion Report and Log form.")

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.)\*

Mallon Oil Company proposes to recomplete the above referenced well by setting a cast iron bridge plug 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

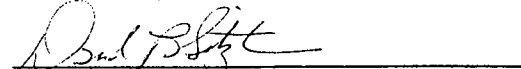
Title

Exploration/Production Superintendent

Date 02/04/98

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved By



Title

Lands and Mineral Resources

FEB 23 1998

Date

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.

\*See Instruction on Reverse Side

RECEIVED MAR 20 1985

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 ☐  
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP EN ☐ FULL BACK ☐ DIFF. CONCR. ☐ 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

13. DATE SPUDDED 11/3/87 16. DATE T.D. REACHED 11/10/87 17. DATE COMPL. (Ready to prod.) 11/30/87 14. 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 0 - TD ROTARY TOOLS CABLE TOOLS  
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.<sup>3</sup> Class B w/3% CaCl<sub>2</sub>  
4-1/2" 11.6#/ft. 4144' KB 6-3/4" 300 sx, 618 ft.<sup>3</sup> Class B w/2% D-79, 1/4# celoflake/sx; 150 sx, 50/50 pozmix w/2% gel, 10% salt, 1/4# floccel/sx 189 ft.<sup>3</sup>

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)  
Pic. Cliffs w/3-1/8" gun - 2 JSPF:  
3743-3748 - 11 holes  
3750-3754 - 9 holes (.34" diameter)  
3764-3772 - 17 holes  
3778-3796 - 37 holes  
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.  
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED  
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;

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 12/4/87 HOURS TESTED 3 CHOKES SIZE 3/4" PROD'N. FOR TEST PERIOD 0 OIL—BSL. 438 GAS—MCF. 0 WATER—BSL. N/A GAS-OIL RATIO  
FLOW. TUBING PRESS. 211 CASING PRESSURE 588 CALCULATED 24-HOUR RATE 0 OIL—BSL. 3505 GAS—MCF. 0 WATER—BSL. N/A OIL GRAVITY-API (CORR.)

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

TEST WITNESSED BY ACCEPTED FOR RECORD  
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 12/9/87

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	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	3204	3432	water	Ojo Alamo Fruitland Pictured Cliffs	3204	3204
Fruitland	3432	3742	water		3432	3432
Pictured Cliffs	3742	4150	natural gas		3742	3742

Jicarilla 459-20 SJ No. 12  
SE/4 Section 20-30N-3W



Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☒ AMENDED REPORT

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

## 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 OGRID No. 13925	8 Operator Name MALLON OIL CO.			9 Elevation 7250'

<sup>10</sup> 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

<div style="text-align: right; margin-bottom: 20px;"> U.S.G.L.O. BRASS CAP 1917 </div> <div style="text-align: center; margin-top: 100px;"> 20 </div> <div style="position: relative; height: 200px; margin-top: 20px;"> <div style="position: absolute; right: 0; top: 0; transform: rotate(90deg); transform-origin: right top;"> N 00-00-36 W 5279.5' </div> <div style="position: absolute; bottom: 0; left: 0; transform: rotate(-90deg); transform-origin: bottom left;"> 845' </div> <div style="position: absolute; bottom: 0; right: 0;"> 1888' </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="text-align: left;"> U.S.G.L.O. BRASS CAP 1917 </div> <div style="text-align: right;"> U.S.G.L.O. BRASS CAP 1917 N 89-57-00 E 2634.5' </div> </div>	<div style="text-align: center; margin-bottom: 20px;"> 17 OPERATOR CERTIFICATION </div> <p style="font-size: small;">I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <div style="margin-top: 50px;"> </div> <div style="margin-top: 10px;"> Signature _____  ROBERT BLAYLOCK  Printed Name _____  DISTRICT MANAGER  Title _____  12/6/01  Date _____ </div> <div style="margin-top: 20px;"> 18 SURVEYOR CERTIFICATION </div> <p style="font-size: small;">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> <div style="text-align: center; margin-top: 20px;"> </div> <div style="margin-top: 10px;"> Date of Survey _____  8894  Signature and Seal of Professional Surveyor _____  8894  Certificate Number _____ </div>
--	--

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTSUBMIT IN DL 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 \*

TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NO. Jic 459	
b. TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF <input type="checkbox"/> RESVR <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache Tribe	
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 459-20 SJ No. 12	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *) At surface 849' FSL and 1888" FEL (SW SE) Unit D At top prod. interval reported below 849' FSL and 1888" FEL (SW SE) Unit D At total depth _____		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	
14. PERMIT NO. N/A		DATE ISSUED N/A	
12. COUNTY OR PARISH Rio Arriba		13. STATE NM	
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 COM., HOW MANY* →		23. INTERVALS DRILLED BY →	
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, circ 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)		32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
1059'-1790' 4 JSPF (380 Holes) Cabresto Canyon; San Jose Ext.		DEPTH INTERVAL (MD) 1059'-1790'	AMOUNT AND KIND OF MATERIAL USED Acidize 5026 bbls 7-1/2% HCL Frac 70,000 lbs 12-20 sand

33. PRODUCTION							
DATE FIRST PRODUCTION 10/28/98		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing				WELL STAT (Producing or Shut In) Producing	
DATE OF TEST 10/8/98	HOURS TESTED 24	CHOKE SIZE 3/8"	PROD'N FOR TEST PERIOD →	OIL - BBL 0	GAS - MCF 595	WATER - BBL 10	GAS-OIL RATIO N/A
FLOW TBG PRESS 175	CASING PRESSURE 0	CALCULATED 24-HOUR RATE →	OIL - BBL 0	GAS - MCF 595	WATER - BBL 10	OIL GRAVITY - API (CORR.) 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

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

37. 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.	TOP		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				San Jose	1633 TD	

38.

GEOLOGIC MARKERS

NAME	TOP		
	MEAS. DEPTH	TRUE VERT. DEPTH	

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)

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.

20-039-25941

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

Title

Lands and Mineral Resources

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	QUANTITY OF CEMENT
17-1/2"	13-3/8" J-55	48#	550'	circ to surface
11"				

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

Butch D. Volante

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

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

*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'

<sup>10</sup> 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

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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. BRASS CAP 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 12/6/01		
					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		
					Date of Survey		
					Signature and Seal of Professional Surveyor		
					8894		
					Certificate Number		

20

790'

1845'

N 89-57-00 E 2634.5'

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

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

5279.5'

N 00-00-36 W

NEW MEXICO  
REGISTERED PROFESSIONAL LAND SURVEYOR  
8894

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  
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  
P.O. Box 87410, Artesia, N.M. 87410

OIL CONSERVATION DIVISION

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

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

CONFIDENTIAL

☐ 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
GRID No. 013925	Operator Name MALLON OIL CO.		Elevation 7252'

<sup>10</sup> 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

<sup>11</sup> 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

CONFIDENTIAL

790'

1845'

17 OPERATOR CERTIFICATION

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

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 or under my supervision, and that the same is true and correct to the best of my belief.

2-27-98  
Date of Survey  
Signature  
ROY A. RUSH  
NEW MEXICO  
REGISTERED PROFESSIONAL SURVEYOR  
8894  
8894  
Certificate Number



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTSUBMITTING OFFICE  
(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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NO. Jic 459	
b. TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <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 N. 12	
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		9. API WELL NO. 30-039-25855	
14. PERMIT NO. N/A		DATE ISSUED N/A	
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'		10. FIELD AND POOL, OR WILDCAT Cabresto Canyon, Pictured Cliffs Ext.	
20. TOTAL DEPTH, MD & TVD 4090'		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 20, T30N-R03W	
21. PLUGBACK TD, MD & TVD 4035'		12. COUNTY OR PARISH Rio Arriba	
22. IF MULTIPLE COMP., HOW MANY* 2		13. STATE New Mexico	
23. INTERVALS DRILLED BY →		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)	
29. LINER RECORD		30. TUBING RECORD	
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) 3778'-3848' AMOUNT AND KIND OF MATERIAL USED acidize with 2500 gal 7-1/2% HCL frac 66,420 lbs 20/40 sand	
33. PRODUCTION		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Jic	
35. LIST OF ATTACHMENTS		TEST WITNESSED BY J. Angel	

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

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Ojo Alamo	3244'	
				Kirtland	3482'	
				Fruitland	3665'	
				Pictured Cliffs	3780'	
				Lewis	3865'	

38.

GEOLOGIC MAP

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**CONFIDENTIAL**  
SUBMIT A 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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <u>BLM</u>		5. LEASE DESIGNATION AND SERIAL NO. <b>Jic 459</b>	
b. TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Jicarilla Apache</b>	
2. NAME OF OPERATOR <b>Mallon Oil Company</b>		7. UNIT AGREEMENT NAME <b>N/A</b>	
3. ADDRESS AND TELEPHONE NO. <b>P.O. Box 3256, Carlsbad, NM 88220 (505) 885-4596</b>		8. FARM OR LEASE NAME, WELL NO. <b>Jicarilla 459-20 N. 12</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *) At surface <b>790 FSL and 1845 FEL ( SW SE) Unit O</b> At top prod. interval reported below <b>790 FSL and 1845 FEL ( SW SE) Unit O</b> At total depth		9. API WELL NO. <b>30-039-25855</b>	
14. PERMIT NO. <b>N/A</b>		DATE ISSUED <b>N/A</b>	
15. DATE SPUDDED <b>5/19/98</b>		16. DATE TD REACHED <b>5/26/98</b>	
17. DATE COMP (Ready to Prod.) <b>6/30/98</b>		18. ELEVATION (DF, RKB, RT, GR, ET) <b>7252'</b>	
19. ELEV. CASINGHEAD <b>7253'</b>		10. FIELD AND POOL, OR WILDCAT <b>Cabresto Canyon, Ojo Alamo Ext.</b>	
20. TOTAL DEPTH, MD & TVD <b>4090'</b>		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA <b>Sec. 20, T30N-R03W</b>	
21. PLUGBACK TD, MD & TVD <b>4035'</b>		12. COUNTY OR PARISH <b>Rio Arriba</b>	
22. IF MULTIPLE COMP., HOW MANY* <b>2</b>		13. STATE <b>New Mexico</b>	
23. INTERVALS DRILLED BY <b>→</b>		ROTARY TOOLS <b>Yes</b>	
24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*) <b>3276'-3312' Cabresto Canyon; Ojo Alamo Ext.</b>		CABLE TOOLS <b>N/A</b>	
25. WAS DIRECTIONAL SURVEY MADE <b>Yes</b>		26. TYPE ELECTRIC AND OTHER LOGS RUN <b>GR-DILT, GR-DSN-SDL</b>	
27. WAS WELL CORED <b>N/A</b>		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	
				sxs to surface	
5-1/2"	15.5 lbs	4077	7-7/8"	cmt 780 sxs cmt, circ 94 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	3218'	

31. PERFORATION RECORD (Interval, size, and number)		32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
3276'-3312'		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4 JSPF 144 holes		3276'-3312'	Acidize 2000 gal 7-1/2% HCl frac 64,620 lbs 12/20 sand
Cabresto Canyon; Ojo Alamo Ext.			

33. PRODUCTION							
DATE FIRST PRODUCTION <b>7/3/98</b>		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) <b>Flowing</b>				WELL STATUS (Producing or Shut In) <b>Producing</b>	
DATE OF TEST <b>6/9/98</b>	HOURS TESTED <b>24</b>	CHOKE SIZE <b>3/8"</b>	PROD'N FOR TEST PERIOD <b>→</b>	OIL - BBL <b>0</b>	GAS - MCF <b>831</b>	WATER - BBL <b>40</b>	GAS-OIL RATIO <b>N/A</b>
FLOW TBG PRESS <b>250</b>	CASING PRESSURE <b>0</b>	CALCULATED 24-HOUR RATE <b>→</b>	OIL - BBL <b>0</b>	GAS - MCF <b>831</b>	WATER - BBL <b>40</b>	OIL GRAVITY - API (CORR.) <b>N/A</b>	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) <b>Sold</b>				TEST WITNESSED BY <b>J. Winkler</b>			
---	--	--	--	--	--	--	--

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 7/6/98

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

**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

Form C-107  
Revised 4-1-91

OIL CONSERVATION DIVISION  
2040 Pacheco St.  
Santa Fe, NM 87505

Filing Instructions  
Bottom of Page

APPLICATION FOR MULTIPLE COMPLETION

Operator	Address		
Mallon Oil Company	P.O. Box 3256 Carlsbad, New Mexico 88220		
Lease	Well No.	Unit Ltr. - Sec - Twp - Rge	County
Jicarilla 459-20	No. 12	O-20-T30N-R03W	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.		<del>EAST</del> <del>Cabresto Canyon;</del> <del>Pictured Cliffs Ext.</del> <b>BLANCO</b>
b. Top and Bottom of Pay Section (Perforations)	3276'-3312'	<b>RECEIVED</b> 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: \_\_\_\_\_

Title: DEPUTY OIL & GAS INSPECTOR, DIST. 3

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.

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

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

- ☐ 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 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  
Christy Serrano

Title

Production Secretary

Date

5-21-98

(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:

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.
1a. TYPE OF WORK Drill <input checked="" type="checkbox"/> Deepen <input type="checkbox"/>				JIC459
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. 12
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 proposed prod. zone 790' FSL and 1845' FEL (SW SE) Unit O				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)				11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 20, T30N-R3W
16. NO. OF ACRES IN LEASE 2267.0				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.				20. ROTARY OR CABLE TOOLS Rotary
19. PROPOSED DEPTH 4500'				21. ELEVATIONS (SHOW WHETHER DF, RT, GR, Etc.) 7264.5' GL
22. APPROX. DATE WORK WILL START April 10, 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'	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: 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.

24. SIGNED: Terry Lindeman TITLE: Operations Superintendent DATE: 03/23/98

(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: [Signature] TITLE: [Signature] DATE: 5/5/98

\*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 SJ No. 2  
SW/4 Section 21-30N-3W

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

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

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

DISTRICT IV  
P.O. 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

API Number 30-039-26229-00-00		Pool Code 97037	Pool Name CABRISTO CANYON TERTIARY
Property Code	Property Name JICARILLA 480 SJ		Well Number 2
GRID No. 13925	Operator Name MALLON OIL COMPANY		Elevation 7187'

<sup>10</sup> 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

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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. 1817				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>Robert Blaylock</u> Printed Name DISTRICT MANAGER Title Date <u>12/21/00</u>	
5551.3'		21		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.	
N 0-00-36 W				Date of Survey <u>7-2</u> Signature and Seal of Professional Surveyor 8894 Certificate Number	
987'		5495.7'		8894	
FD. U.S.G.L.O. BC. 1817		N 89-34-54 E		FD. U.S.G.L.O. BC. 1817	



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT TO "LOCATE"  
(See cover 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 <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input type="checkbox"/> WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Jic 460	
b. TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <input type="checkbox"/>		8. 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. 999 - 18th St., Suite 1700, Denver, CO 80202 303-293-2333		8. FARM OR LEASE NAME, WELL NO. Jicarilla 460 SJ No. 2	
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		9. API WELL NO. 30-039-26229	
14. Permit No. N/A		Date Issued N/A	
12. COUNTY OR PARISH Rio Arriba		13. STATE NM	
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 COMPS., HOW MANY* →	
23. INTERVALS DRILLED BY →		ROTARY TOOLS Yes	
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) 1577'-1582', 1592'-1602', 1629'-1640', 1702'-1706', 1718'-1726' 2 JSPF (76 holes) Cabresto Canyon, San Jose		32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. 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 1/16/00		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing			WELL STAT (Producing or Shut In) Producing		
DATE OF TEST 12/27/99	HOURS TESTED 24	CHOKE SIZE 3/8"	PROD'N FOR TEST PERIOD →	OIL - BBL 0	GAS - MCF 360	WATER - BBL 12	GAS-OIL RATIO N/A
FLOW TBG PRESS 100	CASING PRESSURE 0	CALCULATED 24-HOUR RATE →	OIL - BBL 0	GAS - MCF 360	WATER - BBL 12	OIL GRAVITY - API (CORR.) N/A	

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

35. LIST OF ATTACHMENTS

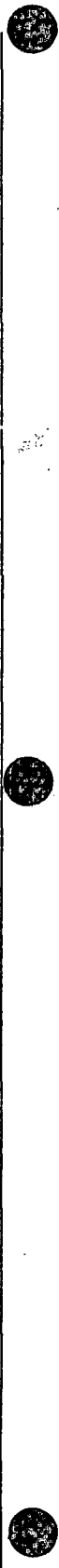
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

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
				MEAS. DEPTH
				1552'



# CONFIDENTIAL

Form 3160-5  
(JUNE 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**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.

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

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 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

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)  
787' FSL and 987' FWL (SW SW) Unit M  
Sec. 21, 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 ☐ Change of Plans  
☐ Recompletion ☐ New Construction  
☐ Plugging Back ☐ Non-Routine Fracturing  
☐ Casing Repair ☐ Water Shut-Off  
☐ Altering Casing ☐ Conversion to Injection  
☒ Other: Change Surface ☐ Dispose Water  
Casing

(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 By Patricia M. Hest

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 <input checked="" type="checkbox"/> Deepen <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. JIC 460
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 <span style="float: right;">29941</span>
3. ADDRESS AND TELEPHONE NO. P.O. Box 2797 Durango, CO 81302 (970) 382-9100		8. FARM OR LEASE NAME, WELL NO. Jicarilla 460 SJ No.2
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		9. API WELL NO. 30-039-26229
At proposed prod. zone 787' FSL and 987' FWL (SW/SW) Unit M		10. FIELD AND POOL, OR WILDCAT Capresto Canyon, San Jose ext.
		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			16. NO. OF ACRES IN LEASE 1,920		17. NO. OF ACRES ASSIGNED TO THIS WELL 175.86	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 787'			19. PROPOSED DEPTH 1800'		20. ROTARY OR CABLE TOOLS Rotary	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 100'			22. APPROX. DATE WORK WILL START 08/01/99			
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, Etc.) 7187' 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#	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 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.

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: Joan 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

Jicarilla 460 No. 2  
SW/4 Section 21-30N-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  
P.O. Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV  
P.O. 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

*API Number 30-039-24112-00-00		*Pool Code 97037	*Pool Name CABRISTO CANYON TERTIARY
*Property Code 204166	*Property Name JICARILLA 460		*Well Number 2
*OGRID No. 13925	*Operator Name MALLON OIL COMPANY		*Elevation 7193'

<sup>10</sup> 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

<sup>11</sup> 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				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>Robert Blaylock</u> Printed Name ROBERT BLAYLOCK Title DISTRICT MANAGER Date <u>12/06/01</u>			
5551.3'							
N 0-00-36 W							
21							
890'							
790'							
FD. U.S.G.L.O. BC. 1917				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. 5-17-99 Date of Survey Signature and Seal of Professional Surveyor 8894 Certificate Number			
FD. U.S.G.L.O. BC. 1917				N 89-34-54 E 5495.7'			
				FD. U.S.G.L.O. BC. 1917			

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 <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input type="checkbox"/> WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO Jic 460	
b. TYPE OF COMPLETION NEW <input type="checkbox"/> WORK <input type="checkbox"/> DEEP- <input type="checkbox"/> PLUG <input type="checkbox"/> DIFF <input type="checkbox"/> WELL <input type="checkbox"/> OVER <input checked="" type="checkbox"/> EN <input type="checkbox"/> BACK <input type="checkbox"/> RESVR <input 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 3256, Carlsbad, NM 88220 (505) 885-4596		8. FARM OR LEASE NAME, WELL NO Jicarilla 460 No. 2	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 790 Fsl, 890 FWL (SWSW) Unit M		9. API WELL NO. 30-039-24112	
At top prod. interval reported below		10. FIELD AND POOL, OR WILDCAT E. Blanco, Ojo Alamo	
At total depth 790 Fsl, 890 FWL (SWSW) Unit M		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 21, T30N-R3W	
14. PERMIT NO. N/A	DATE ISSUED N/A	12. COUNTY OR PARISH Rio Arriba	13. STATE New Mexico
15. DATE SPUNDED N/A	16. DATE TD REACHED N/A	17. DATE COMP (Ready to Prod.) 11/14/97	18. ELEVATION (DF, RKB, RT, GR, ETC*) N/A
19. ELEV. CASINGHEAD N/A	20. TOTAL DEPTH, MD & TVD N/A		
21. PLUGBACK TD, MD & TVD 3550'	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*) 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)	

CASING SIZE/GRADE	WEIGHT LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
Existing					

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"	3086'	3089'
N/A							

31. PERFORATION RECORD (Interval, size, and number)		32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3224'-3234'	Ojo Alamo	3224'-3234'	Acidize 2000 gls Frac 61,000 lbs sand
3237'-3243'			
3246'-3248'			
3272'-3278'			
3284'-3286'			

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.) Sold	TEST WITNESSED BY 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)

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 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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. Jic. Cont. 460	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESER. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jic. Apache Tribe	
2. NAME OF OPERATOR Robert L. Bayless		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box 168, Farmington, NM 87499		8. FARM OR LEASE NAME Jic. 460	
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		9. WELL NO. #2	
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	
19. ELEV. CASINGHEAD		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 0 - TD		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3688' - 4000' P.C.	
25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN TEL, CNL - FDC	
27. WAS WELL CORED No		28. CASING RECORD (Report all strings set in well)	
CASING SIZE 7 5/8" 4 1/2"		WEIGHT, LB./FT. 26.4# 11.6#	
DEPTH SET (MD) 141' RKB 4104' RKB		HOLE SIZE 9 7/8" 6 3/4"	
CEMENTING RECORD 60 sx Class B (71ft <sup>3</sup> ) 225 sx (284ft <sup>3</sup> ) 50/50 pozmix		AMOUNT PULLED	
29. LINER RECORD		30. TUBING RECORD	
SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD)		SIZE DEPTH SET (MD) PACKER SET (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) 3688 - 4000' AMOUNT AND KIND OF MATERIAL USED 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 01/26/87 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) flowing WELL STATUS (Producing or shut-in) SI		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 Tom H. McQuill		TITLE Engineer	
DATE 02/02/87		DATE 02/02/87	

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



## GEOLOGIC MARKERS

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	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on re-  
verse 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. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		3. LEASE DESIGNATION AND SERIAL NO. Jicarilla Contract 460
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  790' FSL & 890' FWL		8. FARM OR LEASE NAME Jicarilla 460
14. PERMIT NO.		9. WELL NO. 2
15. ELEVATIONS (Show whether OF, AT, OR, etc.) 7191 GL 7203 RKB		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 21, T30N, R3W
		12. COUNTY OR PARISH Rio Arriba
		13. STATE NM

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 ☐

(Other) Spud; set surface csg. ☒

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT\* ☐

(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% CaCl<sub>2</sub> (71 ft.<sup>3</sup>). 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

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

15. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drilg. 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  
O-TD

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
7191' GL 7203' RKB

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED

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.

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 ft.	30 ft <sup>3</sup> Class B
6-1/4"	4-1/2"	11.6#/ft.	4115 ft.	206 ft <sup>3</sup> Class B w/2% econofil 89 ft <sup>3</sup> 50-50 pozmix

Will drill 9" hole to 125' and set 125' of 23#/ft. J-55 casing cementing with 30 ft<sup>3</sup> 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<sup>3</sup> Class B with 2% econofil tailed by 89 ft<sup>3</sup> 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'

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. McGowan TITLE Petroleum Engineer

(This space for Federal or State office use)

Dec. 8, 1986  
APPROVED  
AS AMENDED

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
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

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

DISTRICT III  
1800 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

*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'

<sup>10</sup> 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

<sup>11</sup> 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

					<b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature: Printed Name: ROBERT BLAYLOCK Title: DISTRICT MANAGER Date: 12/06/01	
					<b>18 SURVEYOR CERTIFICATION</b> 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: 7-7-00 Signature and Seal of Registered Professional Surveyor: Certificate Number: 8894	

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

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

12. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

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 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

14. Permit No.

N/A

Date Issued

N/A

15. DATE SPUDDED

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. CASING HEAD

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)	30. TUBING RECORD
N.A.					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)

1537' - 1579'

AMOUNT AND KIND OF MATERIAL USED

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.) 27.6	

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

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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	TRUE VERT DEPTH
				San Jose	1522	
				Nacimiento	1986	

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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 <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

(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 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.

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

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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 <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		12. COUNTY OR PARISH Rio Arriba		
17. NO. OF ACRES ASSIGNED TO THIS WELL 158		13. STATE NM		
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.) 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 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: 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: Joan 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.

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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., Aztec, N.M. 87410

DISTRICT IV  
P.O. 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

*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'

<sup>10</sup> 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

<sup>11</sup> 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

				<b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature: <u>Robert Blaylock</u> Printed Name: <u>ROBERT BLAYLOCK</u> Title: <u>DISTRICT MANAGER</u> Date: <u>12/21/01</u>	
				<b>18 SURVEYOR CERTIFICATION</b> 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: <u>5-17-01</u> Signature: <u>[Signature]</u> Seal: Certificate Number: <u>8894</u>	

WF-2

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 <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input type="checkbox"/> WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO 701-90-0002	
b. TYPE OF COMPLETION NEW <input type="checkbox"/> WORK <input type="checkbox"/> DEEP- <input type="checkbox"/> PLUG <input type="checkbox"/> DIFF <input type="checkbox"/> WELL <input type="checkbox"/> OVER <input checked="" type="checkbox"/> EN <input type="checkbox"/> BACK <input type="checkbox"/> RESVR <input 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 3256, Carlsbad, NM 88220 (505) 885-4596		8. FARM OR LEASE NAME, WELL NO. Jicarilla 30-3-28 No. 1	
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		9. API WELL NO. 30-039-25130	
15. DATE SPUDDED N/A		16. DATE TD REACHED N/A	17. DATE COMP (Ready to Prod.) 10/19/97
20. TOTAL DEPTH, MD & TVD N/A		21. PLUGBACK TD, MD & TVD 3510'	22. IF MULTIPLE COMP., HOW MANY* 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	
18. ELEVATION (OF, RKB, RT, GR, ETC*) N/A			
19. ELEV. CASINGHEAD N/A		12. COUNTY OR PARISH Rio Arriba	
13. STATE New Mexico		23. INTERVALS DRILLED BY ROTARY TOOLS N/A	
23. INTERVALS DRILLED BY CABLE TOOLS N/A		23. INTERVALS DRILLED BY 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
Existing					

LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (M)
N/A					2-3/8"	3024'	3026'

TUBING RECORD

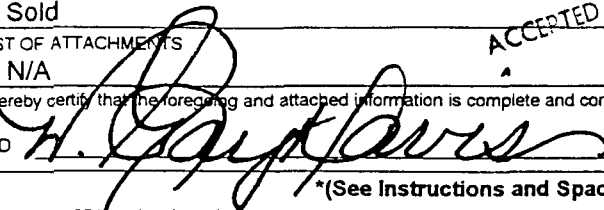
31. PERFORATION RECORD (Interval, size, and number) 3149'-3151' 3157'-3176' Ojo Al 3194'-3197' 3213'-3231'		32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL (MD) 3149'-3231' AMOUNT AND KIND OF MATERIAL USED 1000 gals acid Frac 56,340 lbs sand	
--	--	---	--

PRODUCTION

DATE FIRST PRODUCTION 10/19/97		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing			WELL STATUS (Producing or Shut In) Producing		
DATE OF TEST 10/12/97	HOURS TESTED 24	CHOKE SIZE 3/8"	PROD'N FOR TEST PERIOD 0	OIL - BBL 2400	GAS - MCF 35	GAS-OIL RATIO 0	
FLOW TBG PRESS 720 psi	CASING PRESSURE 0	CALCULATED 24-HOUR RATE 0	OIL - BBL 2400	GAS - MCF 35	WATER - BBL 0	OIL GRAVITY - API (CORR.) 0	

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 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

Form 3160-4  
(October 1990)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTSUBMIT 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

13. STATE

NM

18. ELEVATIONS (OF, RKB, RT, GE, ETC.)\*

7137' GL; 7149' RKB

19. ELEV. CASINGHEAD

3640' RKB

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

25. WAS DIRECTIONAL SURVEY MADE

27. WAS WELL CORED

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

31. PERFORATION RECORD (Interval, size and number)

33. PRODUCTION

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

TITLE

DATE

6/19/92

\*(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.

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 in-  
structions 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

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

12. COUNTY OR  
PARISH

Rio Arriba

13. STATE

New Mexico

## 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. 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

14. PERMIT NO.

DATE ISSUED

30-039-25130

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKE, RT, GR, ETC.)\* 19. ELEV. CASINGHEAD

11-7-91

11-12-91

1-14-92

7137' GL 7149' RKB

20. TOTAL DEPTH, MD &amp; TVD 21. PLUG, BACK T.D., MD &amp; TVD 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 25. WAS DIRECTIONAL SURVEY MADE

4054'

3949'

Pictured Cliffs: 3642' - 3720'

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 <sup>3</sup> Class B w/2	% econolite;
				325 sx 410 <sup>3</sup> 50/50 pozmix	w/2% gel &
				10% salt; 100 sx 118 <sup>3</sup>	Class B

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	3676'	No

31. PERFORATION RECORD (Interval, size and number)

3642 - 3679 37' 75 holes  
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		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
S.I.		Flowing				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 2813

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 ft<sup>3</sup>) of Class B cement with 3% CaCl<sub>2</sub>. 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:

Description

KB to landing point  
49 jts. of 4 1/2" 10.5#/ft. J-55

Length

14.00

Depth

0-14

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

1185' FSL &amp; 790' FWL

At proposed prod. zone

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

5. LEASE DESIGNATION AND SERIAL NO.

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 BLE.  
AND SURVEY OR ARKA

Section 28, T 30 N, R 3 W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

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 other)  
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

23. PROPOSED CASING AND CEMENTING PROGRAM

DRILLING OPERATIONS AUTHORIZED AND  
SUBJECT TO COMPLIANCE WITH ATTACHED

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'

GENERAL REQUIREMENTS

90 sx Class B (106 ft<sup>3</sup>)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 ft<sup>3</sup> 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.

SIGNED Kevin H. McCordTITLE Petroleum EngineerDATE 8-24-90

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

APPROVED  
AS AMENDED

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

OPERATOR

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

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

*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'

<sup>10</sup> 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

<sup>11</sup> 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

18 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 			
				Printed Name ROBERT BLAYLOCK			
				Title DISTRICT MANAGER			
				Date 12/21/01			
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				7-21 Date of Survey			
FD. U.S.G.L.O. BC. 1917				Signature and Seal of Professional Surveyor 			
N 29-33-44 E 5562.2'				8894 Certificate Number			
FD. U.S.G.L.O. BC. 1917				FD. U.S.G.L.O. BC. 1917			

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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 (OF, RKB, RT, GR, E) 7190'	19. ELEV. CASINGHEAD 7191'
20. TOTAL DEPTH, MD & TVD 2100'	21. PLUGBACK TD, MD & TVD 2026'	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\*)  
1600'-1606', 1613'-1626', 1634'-1642

25. WAS DIRECTIONAL SURVEY MADE  
Yes

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

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	237.42	12-1/4"	cmt 120 sxs Type 3 cmt	
				circ 16 sxs to surface	
4-1/2"	10.5	2095	6-3/4"	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

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	1583'	
				Nacimiento		
				Ojo Alamo		
				Kirtland		
				Pictured Cliffs		
				Lewis		

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.
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 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.)

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.

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

Signed Christy Serrano

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

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 <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) 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"/> 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 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 MANAGEMENTSUBMIT 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 464	
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 13925		7. UNIT AGREEMENT NAME N/A 24939	
3. ADDRESS AND TELEPHONE NO. P.O. Box 2797 Durango, CO 81302 (970) 382-9100		8. FARM OR LEASE NAME, WELL NO. Jicarilla 464 SJ No.8	
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		9. API WELL NO. 30-039-26234	
At proposed prod. zone 1844' FSL and 1345' FWL (NE/SW) Unit K		10. FIELD AND POOL, OR WILDCAT Cabresto Canyon, San Jose ext. 96822	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 51 miles east of Bloomfield, New Mexico		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 29, T30N-R03W	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 3729' (Also to nearest drlg. unit line, if any)		12. COUNTY OR PARISH Rio Arriba	
16. NO. OF ACRES IN LEASE 2,393		13. STATE NM	
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
12-1/4"	8-5/8"	24#	160-500'
7-7/8"	4-1/2"	14.7#	1800'
		QUANTITY OF CEMENT Circulate to surface	
		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-onsting 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: 07/05/99

(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: Joan 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)

CONFIDENTIAL

Jicarilla 464 No. 8  
SW/4 Section 29-30N-3W

# NEW MEXICO CONSERVATION COMMISSION

## WELL LOCATION AND ACREAGE DEDICATION

All distances must be from the corner boundaries of the Section

Operator <b>Mallon Oil Company</b>			Location <b>JICARILLA 464</b>		Well No. <b>8</b>
Unit Letter <b>K</b>	Section <b>29</b>	Township <b>30 N</b>	Range <b>3 W</b>	County <b>RIO ARRIEA</b>	
Aerial Postage Location of Well: <b>1850</b> feet from the <b>South</b> line and <b>1450</b> feet from the <b>West</b> line					
Ground Level Elev. <b>7197</b>	Producing Formation <b>Cabresto Canyon; Ojo Alamo</b>		Drill <b>Ext</b>	Dedicated Acreage <b>160</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

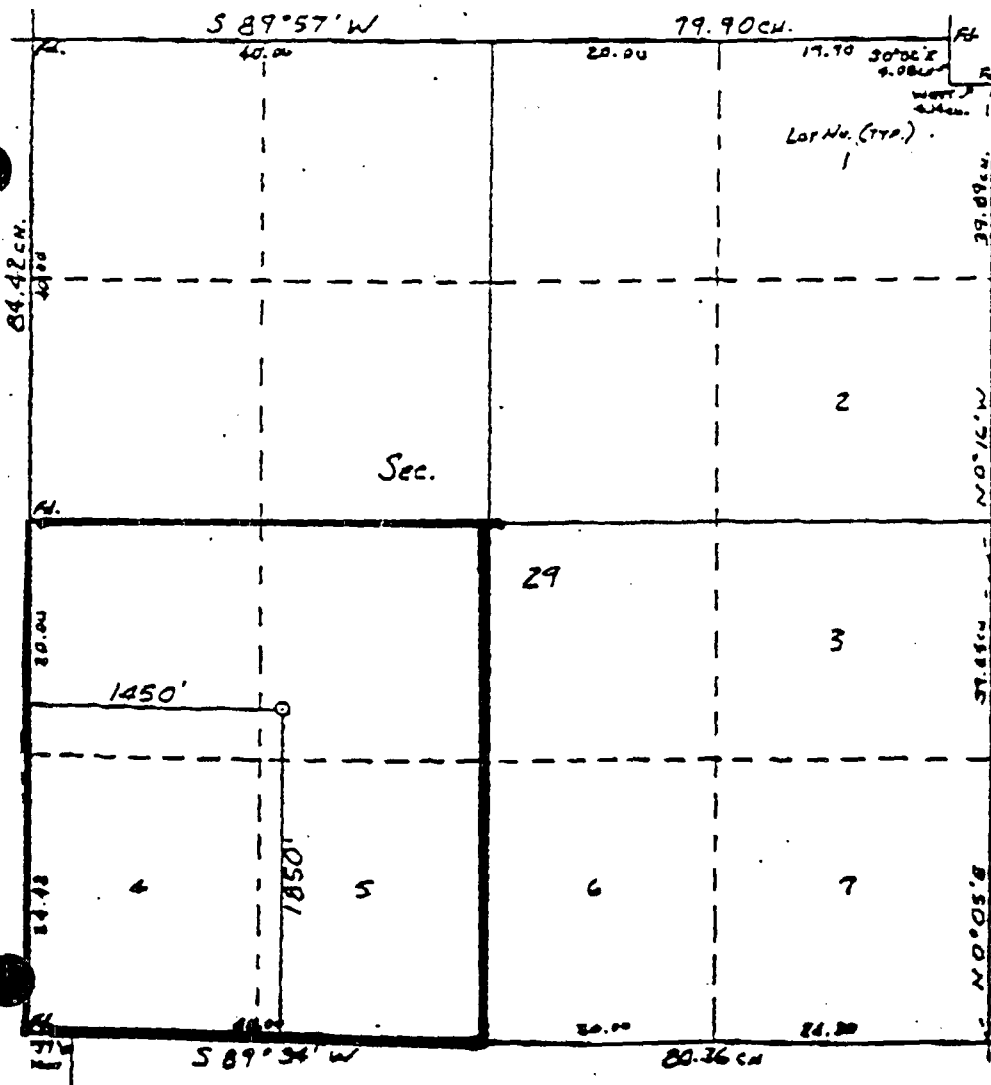
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

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

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

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



CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
<b>Christy Serrano</b>	
Name	<b>Christy Serrano</b>
Position	<b>Production Secretary</b>
Company	<b>Mallon Oil Company</b>
Date	<b>4/20/98</b>
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 Survey	<b>4/20/98</b>

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 \*

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

a. TYPE OF WELL OIL GAS  
WELL ☐ WEL ☒ DRY ☐ OTHER

b. 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 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

12. COUNTY OR PARISH  
Rio Arriba

13. STATE  
NM

15. DATE SPUDDED  
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 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\*)

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)  
3256'-3308'

AMOUNT AND KIND OF MATERIAL USED  
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 1/26/98	HOURS TESTED 24	CHOKE SIZE 3/8"	PROD'N FOR TEST PERIOD →	OIL - BBL 0	GAS - MCF 1492	WATER - BBL 30	GAS-OIL RATIO N/A
FLOW TBG PRESS 460	CASING PRESSURE 0	CALCULATED 24-HOUR RATE →	OIL - BBL 0	GAS - MCF 1492	WATER - BBL 30	OIL GRAVITY - API (CORR.) 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

Production Analyst

DATE

4/20/98

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

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37. SUMMARY OF PORTHOLE ZONES (Show all important zones of porosity and content; thereby, record intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and permeabilities)

FORMATION	TOP	SECTION	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE 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 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 <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Other _____
b. TYPE OF COMPLETION:					
NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> 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					
CASING RECORD (Report all strings set in well)					
CASINO SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)	
8-5/8"		24.0#/ft		140' KB	
4-1/2"		10.5#/ft		4187' KB	
HOLE SIZE		CEMENTING RECORD			
12-1/4"		145 sx (171 ft <sup>3</sup> ) Class B w/2% CaCl <sub>2</sub>			
7-7/8"		100 sx (206 ft <sup>3</sup> ) Class B w/2% Econolite & 1/4# flocele/sx; 175 sx (221 ft <sup>3</sup> ) 50/50 pozmix w/2% gel, 10% salt; 1/4# flocele/sx			
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"		4023' KB		none	
31. PERFORATION RECORD (Interval, size and number)					
1 JSPF: (P.C. w/3-1/8" gun) 2 JSPF:					
3778-3802 - 25 holes 3962-3966 - 9 holes					
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					
(3/4" diameter)					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
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			
33.* PRODUCTION 995,000 SCF nitrogen					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in)
12/5/88		flowing			producing
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.
12/4/88	3	3/4"	→	-0-	316
WATER—BBL.	GAS-OIL RATIO				
-0-	N/A				
FLOW. TUBING PRESS.	CASINO PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.
150	520	→	-0-	2524	-0-
OIL GRAVITY-API (CORR.) 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

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, flowing and shut-in pressures, and recoveries):

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

38. GEOLOGIC MARKERS

Jicarilla 464 SJ No. 7  
NW/4 Section 29-30N-3W



DISTRICT I  
O. Box 1900, Hobbs, N.M. 88241-1900DISTRICT II  
Drawer DD, Artesia, N.M. 88211-0719DISTRICT III  
700 Rio Brazos Rd., Aztec, N.M. 87410DISTRICT IV  
O. Box 2008, Santa Fe, NM 87504-2008State of New Mexico  
Energy, Minerals & Natural Resources DepartmentOIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, NM 87504-2088Form 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

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

16 SEC. CORNER FD. U.S.G.L.O. BC. 1917	N 80-58-21 E 2638.5' (M)	QTR. SEC. CORNER 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 Terry Lindeman Printed Name Terry Lindeman Title Operations Superintendent Date January 24, 2000
1282' JIC. 484 SJ #7 1182'	JIC. 484 SJ #2 WELL FLAG		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 Signature and Seal of Professional Surveyor 8894 Certificate Number
(N) 5572.6'	29		
N 00-03-45 E			
SEC. CORNER FD. U.S.G.L.O. BC. 1917			

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTSUBMIT 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 \*

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NO. JIC 464	
b. TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <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. 999 - 18th St., Suite 1700, Denver, CO 80202 303-293-2333		8. FARM OR LEASE NAME, WELL NO. Jicarilla 464 SJ No. 7	
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 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		9. API WELL NO. 30-039-26244	
14. Permit No. N/A		Date Issued N/A	
15. DATE SPUDDED 11/25/99		12. COUNTY OR PARISH Rio Arriba	
16. DATE TD REACHED 11/28/99		13. STATE NM	
17. DATE COMP (Ready to Prod.) 12/19/99		10. FIELD AND POOL, OR WILDCAT Cabresto Canyon, San Jose	
18. ELEVATION (DF, RKB, RT, GR, ET) 7243'		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 29-T30N-R03W	
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 CABLE TOOLS Yes	
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	

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"	1696.79'	

31. PERFORATION RECORD (Interval, size, and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
1701'-1720', 2 JSPF (38 holes) Cabresto Canyon, San Jose		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
		1701'-1720'	acidize 150 gal 7-1/2" HCL frac 20' 880# 12/20 Brady sand with 4000# 8/14 Flex Sand

33. PRODUCTION							
DATE FIRST PRODUCTION N/A		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)				WELL STATUS (Producing or Shut In) Shut In	
DATE OF TEST 12/21/99	HOURS TESTED 24	CHOKE SIZE 3/8"	PROD'N FOR TEST PERIOD →	OIL - BBL 0	GAS - MCF 200	WATER - BBL 24	GAS-OIL RATIO N/A
FLOW TBG PRESS 50	CASING PRESSURE 0	CALCULATED 24-HOUR RATE →	OIL - BBL 0	GAS - MCF 200	WATER - BBL 24	OIL GRAVITY - API (CORR.) N/A	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Shut In						TEST WITNESSED BY D. Stagner	

35. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	
SIGNED <u>Linda D. Wilkins</u> (Linda Wilkins)	Engineering Technician DATE <u>3/23/00</u>

\*(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'	

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)

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.

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

Signed

Christy Senando

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 any matter within its jurisdiction.

\*See Instruction on Reverse Side

CONFIDENTIAL

CONFIDENTIAL

Form 3100-2  
(JUNE 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 100410135  
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)

1177' FNL and 1116' FWL  
Sec. 29, T30N-R03W Unit D

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.

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: 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 Semando

Title

Production Clerk

Date

12-1-99

(THIS SPACE 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 ☐ Change of Plans  
☐ Recompletion ☐ New Construction  
☐ Plugging Back ☐ Non-Routine Fracturing  
☐ Casing Repair ☐ Water Shut-Off  
☐ Altering Casing ☐ Conversion to Injection  
☒ Other: Footage Change ☐ 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.**

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

Signed

*Christy Senano*

Title

**Production Clerk**

Date

**11-16-99**

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

Approved B

*[Signature]*

Title

*De-ro E-g*

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  
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 <input checked="" type="checkbox"/> Deepen <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. JIC 464	
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 24939	
3. ADDRESS AND TELEPHONE NO. P.O. Box 2797 Durango, CO 81302 (970) 382-9100		8. FARM OR LEASE NAME, WELL NO. Jicarilla 464SJ No. 7	
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		9. API WELL NO. 30-039-26244	
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 ext.	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 1204'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 29, T30N-R03W	
16. NO. OF ACRES IN LEASE 2,393		12. COUNTY OR PARISH Rio Arriba	
17. NO. OF ACRES ASSIGNED TO THIS WELL 169 160		13. STATE NM	
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 12-1/4"	GRADE, SIZE OF CASING 8-5/8"	WEIGHT PER FOOT 24#	SETTING DEPTH 500'
7-7/8"	4-1/2"	14.7#	1800'
Circulate to surface		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:

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

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

<sup>1</sup> API Number 30-039-24301-00-00	<sup>2</sup> Pool Code 97037	<sup>3</sup> Pool Name CABRISTO CANYON TERTIARY
<sup>4</sup> Property Code 204169	<sup>5</sup> Property Name JICARILLA 464	<sup>6</sup> Well Number 7
<sup>7</sup> GRID No. 13925	<sup>8</sup> Operator Name MALLON OIL COMPANY	<sup>9</sup> Elevation 7242'

<sup>10</sup> 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

<sup>11</sup> 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
<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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. BC. 1917	S 89-58-21 W 2636.5'	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 12/6/01 Date
1190' 1194'			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 Signature and Seal of Professional Surveyor 8894 Certificate Number
5572.72'	29		
N 0-03-45 E			
FD. U.S.G.L.O. BC. 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 \*

a. TYPE OF WELL OIL GAS  
WELL ☐ 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

15. DATE SPUDDED **11/26/88** 16. DATE TD REACHED **12/1/88** 17. DATE COMP (Ready to Prod.) **1/21/98**

20. TOTAL DEPTH, MD & TVD **4215'** 21. PLUGBACK TD, MD & TVD **3701'** 22. IF MULTIPLE COMP., HOW MANY\* **N/A**

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD\*)  
**3286' - 3334' Cabresto Canyon, Ojo Alamo Ext.**

26. TYPE ELECTRIC AND OTHER LOGS RUN

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**

18. ELEVATION (DF, RKB, RT, GR, ET) **7238'** 19. ELEV. CASINGHEAD  
**7239'**

23. INTERVALS DRILLED BY **→** ROTARY TOOLS **Yes** CABLE TOOLS **N/A**

25. WAS DIRECTIONAL SURVEY MADE  
**Yes**

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
Existing					

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	3151'	3152'

31. PERFORATION RECORD (Interval, size, and number)		32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
3286' - 3334' 4 jsfp (192 holes)	DEPTH INTERVAL (MD)	3286-3334'	AMOUNT AND KIND OF MATERIAL USED
CIBP 3701' Cabresto Canyon, Ojo Alamo Ext.			3300 gals acid frac 36,600 lbs. Sand

33. PRODUCTION							
DATE FIRST PRODUCTION 1/22/98		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing			WELL STATUS (Producing or Shut In) Producing		
DATE OF TEST 1/17/98	HOURS TESTED 24	CHOKE SIZE 3/8"	PROD'N FOR TEST PERIOD →	OIL - BBL 0	GAS - MCF 2074	WATER - BBL 20	GAS-OIL RATIO
FLOW TBG PRESS 645	CASING PRESSURE 0	CALCULATED 24-HOUR RATE →	OIL - BBL 0	GAS - MCF 2074	WATER - BBL 15	OIL GRAVITY - API (CORR.) N/A	

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 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 <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Other _____		
b. TYPE OF COMPLETION:							
NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> 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 SPUDDED 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 →				ROTARY TOOLS 0 - TD			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Pictured Cliffs 3815' - 3897'				25. WAS DIRECTIONAL SURVEY MADE No			
26. TYPE ELECTRIC AND OTHER LOGS RUN IEL-CNL-FDC-GR-CLL				27. WAS WELL CORED 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 <sup>3</sup> ) Class B w/2% CaCl <sub>2</sub>			
4 1/2"	10.5#/ft	4176' KB	7 7/8"	200 sx (412 ft <sup>3</sup> ) Class B w/2% Econolite			
				1/4# flocele/sx; 175 sx (221 ft <sup>3</sup> ) 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) Pic. Cliffs w 3-1/8" gun - 2 JSFP 3815-3818 - 7 holes 3851-3858 - 15 holes 3821-3828 - 15 holes 3868-3876 - 17 holes 3831-3841 - 21 holes 3891-3897 - 13 holes 3843-3848 - 11 holes (.34" diameter)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) 3815-3897 AMOUNT AND KIND OF MATERIAL USED 500 gal. 7 1/2% weighted DI HCL acid w/149 1.1 s.g. RCN ball sealers; 75,000 gal. 70 quality foam w/100,000# 20-40 sand			
33.* PRODUCTION 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				873,300 SCF nitrogen			
DATE OF TEST 2/14/89	HOURS TESTED 3	CHOKE SIZE 3/4"	PROD'N. FOR TEST PERIOD →	OIL—BBL. -0-	GAS—MCF. 304	WATER—BBL. -0-	GAS-OIL RATIO N/A
FLOW. TUBING PRESS. 144	CASING PRESSURE 1100	CALCULATED 24-HOUR RATE →	OIL—BBL. -0-	GAS—MCF. 2428	WATER—BBL. -0-	OIL GRAVITY-API (CORR.) 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)

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 ☐ GAS WELL ☒ OTHER ☐  
3. NAME OF OPERATOR  
Robert L. Bayless  
4. ADDRESS OF OPERATOR  
P.O. Box 168, Farmington, NM 87499  
5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface 1190' FNL & 1190' FWL  
At proposed prod. zone same  
6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
7. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)  
8. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
9. ELEVATIONS (Show whether DF, RT, GR, etc.)  
7238' GL 7250' RKB  
10. NO. OF ACRES IN LEASE  
Approx. 2410  
irregular sections  
11. PROPOSED DEPTH  
4265'  
12. NO. OF ACRES ASSIGNED TO THIS WELL  
160  
13. ROTARY OR CABLE TOOLS  
0 - TD  
14. APPROX. DATE WORK WILL START  
6/1/88

1. LEASE DESIGNATION AND SERIAL NO.  
Jicarilla Contract 464  
2. IF INDIAN, ALLOTTED OR TRIBE NAME  
Jicarilla Apache Tribe  
3. UNIT AGREEMENT NAME  
4. FARM OR LEASE NAME  
Jicarilla 464  
5. WELL NO.  
7  
6. FIELD AND POOL OR WILDCAT  
Wildcat  
7. SEC., T., R., W., OR BLE. AND SURVEY OR AREA  
Sec. 29, T30N, R3W  
8. COUNTY OR PARISH  
Rio Arriba  
9. STATE  
NM

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)  
16. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
17. ELEVATIONS (Show whether DF, RT, GR, etc.)  
7238' GL 7250' RKB  
18. NO. OF ACRES IN LEASE  
Approx. 2410  
irregular sections  
19. PROPOSED DEPTH  
4265'  
20. NO. OF ACRES ASSIGNED TO THIS WELL  
160  
21. ROTARY OR CABLE TOOLS  
0 - TD  
22. APPROX. DATE WORK WILL START  
6/1/88

23. DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"  
71 ft<sup>3</sup>  
- 252 ft<sup>3</sup>

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.

\* 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.

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:

OPERATOR

\*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.

SEP 19 1988  
AREA MANAGER

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

DISTRICT III  
1600 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

<sup>1</sup> API Number 30-039-26326-00-00		<sup>2</sup> Pool Code 97037	<sup>3</sup> Pool Name CABRISTO CANYON TERTIARY
<sup>4</sup> Property Code 26367	<sup>5</sup> Property Name JICARILLA 30-3-34 SJ		<sup>6</sup> Well Number 4
<sup>7</sup> GRID No. 13925	<sup>8</sup> Operator Name MALLON OIL COMPANY		<sup>9</sup> Elevation 7258'

<sup>10</sup> 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

<sup>11</sup> 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
<sup>12</sup> Dedicated Acres 160			<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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>[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>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>10-13-01</p> <p>Date of Survey</p> <p>8894</p> <p>Signature and Seal of Professional Surveyor</p> <p>8894</p> <p>Certificate Number</p>

CONFIDENTIAL

FSL 31605  
(JUNE 1997)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
Bureau Form No. 1014-0135  
Expires March 31, 1999

## 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-R03W5. Lease Designation and Serial No.  
MDA 701-98-00136. If Indian, Allottee or Tribe Name  
Jicarilla Apache Tribe7. If Unit or CA, Agreement Designation  
N/A8. Well Name and No. SV  
Jicarilla 30-03-34 No. 4

## 9. Well API No.

30-039-26324

## 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: Spud
- ☐ Change of Plans
- ☐ New Construction
- ☐ Non-Routine Fracturing
- ☐ Water Shut-Off
- ☐ Conversion to Injection
- ☐ Dispose Water

(Note: Report results of multiple completions 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 1-28-00 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 Serrano

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



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)

2039' FSL and 1977' FEL (NW/SE) Unit J  
Sec. 34, T30N-R03W

5. Lease Designation and Serial No.

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 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 Servano

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 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

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

<b>1a. TYPE OF WORK</b> Drill <input checked="" type="checkbox"/> Deepen <input type="checkbox"/>				<b>5. LEASE DESIGNATION AND SERIAL NO.</b> MDA 701-98-0013	
<b>b. TYPE OF WELL</b> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/>				<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b> Jicarilla Apache	
<b>2. NAME OF OPERATOR</b> Mallon Oil Company				<b>7. UNIT AGREEMENT NAME</b> N/A	
<b>3. ADDRESS AND TELEPHONE NO.</b> P.O. Box 2797 Durango, Colorado 81302 (970) 382-9100				<b>8. FARM OR LEASE NAME, WELL NO.</b> Jicarilla 30-3-34 #4	
<b>4. LOCATION OF WELL</b> (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				<b>9. API WELL NO.</b>  <b>10. FIELD AND POOL, OR WILDCAT</b> E. Blanco, Pictured Cliffs <b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> Sec. 34, T30N-R03W	
<b>14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE *</b> 54 miles east of Bloomfield, New Mexico				<b>12. COUNTY OR PARISH</b> Rio Arriba	
<b>15. DISTANCE FROM PROPOSED * LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.</b> 2039' (Also to nearest drlg. unit line, if any)		<b>16. NO. OF ACRES IN LEASE</b> 39,360		<b>17. NO. OF ACRES ASSIGNED TO THIS WELL</b> 159	
<b>18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.</b> 2800'		<b>19. PROPOSED DEPTH</b> 4500'		<b>20. ROTARY OR CABLE TOOLS</b> Rotary	
<b>21. ELEVATIONS (SHOW WHETHER DF, RT, GR, Etc.)</b> 7258' GR		<b>22. APPROX. DATE WORK WILL START</b> 12/01/99			
<b>23. PROPOSED CASING AND CEMENTING PROGRAM</b>					
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:

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.

# CONFIDENTIAL

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTSUBMIT 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 \*

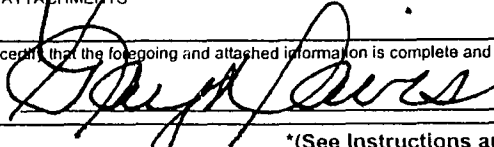
a. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NO. MDA 7-1-98-0013	
b. TYPE OF COMPLETION NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache Tribe	
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 SJ No. 4	
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 _____		9. API WELL NO. 30-039-26326	
14. PERMIT NO. N/A		10. FIELD AND POOL, OR WILDCAT East Blanco; San Jose	
DATE ISSUED N/A		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 34, T30N, R03W	
15. DATE SPUDDED 1/28/00		12. COUNTY OR PARISH Rio Arriba	
16. DATE TD REACHED 2/2/200		13. STATE NM	
17. DATE COMP (Ready to Prod.) 2/24/00		19. ELEV. CASINGHEAD 7259'	
18. ELEVATION (DF, RKB, RT, GR, ET) 7258'		20. TOTAL DEPTH, MD & TVD 2100'	
21. PLUGBACK TD, MD & TVD 1956'		22. IF MULTIPLE COM., HOW MANY* N/A	
23. INTERVALS DRILLED BY →		ROTARY TOOLS Yes	
24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*) 1648'-1674', 1784'-1794', 1800'-1806', East Blanco, San Jose Ext.		CABLE TOOLS N/A	
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					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					1.9"	1648'	

31. PERFORATION RECORD (Interval, size, and number)		32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1648'-1674', 1784'-1794', 1800'-1806' 2 JSPF		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, gas lift, pumping - size and type of pump) Flowing				WELL STAT (Producing or Shut In) Producing	
DATE OF TEST 3/14/00	HOURS TESTED 24	CHOKE SIZE 3/8"	PROD'N FOR TEST PERIOD →	OIL - BBL 0	GAS - MCF 470	WATER - BBL 6	GAS-OIL RATIO 0
FLOW TBG PRESS 135	CASING PRESSURE 185	CALCULATED 24-HOUR RATE →	OIL - BBL 0	GAS - MCF 470	WATER - BBL 6	OIL GRAVITY - API (CORR.) N/A	
34. DISPOSITION OF GAS Sold (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY R. Bellew	

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	Office Manager DATE 6/16/00

\*(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, 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 <b>30-039-26733</b>		*Pool Code <b>97037</b>	*Pool Name <b>Cabresto Canyon - Tertiary</b>
*Property Code <b>00024236</b>	*Property Name <b>JICARILLA 30-3-34</b>		*Well Number <b>4</b>
*OGRID No. <b>13925</b>	*Operator Name <b>MALLON OIL COMPANY</b>		*Elevation <b>7259'</b>

<sup>10</sup> Surface Location

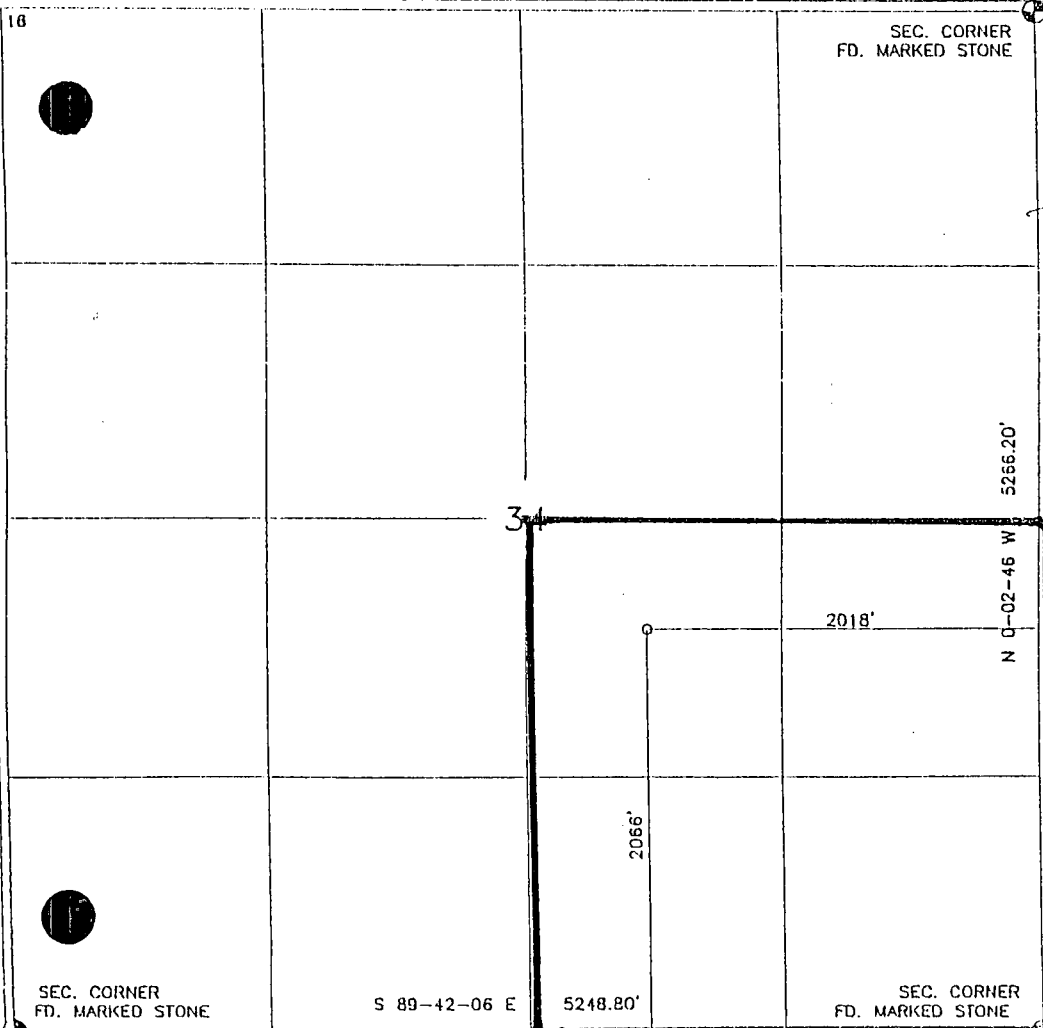
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	34	30-N	3-W		2066	SOUTH	2018	EAST	RIO ARriba

<sup>11</sup> 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

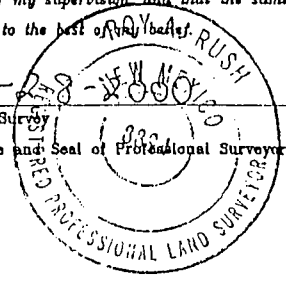
Operations-Superintendent  
Title

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.

11-28-2000  
Date of Survey  
Signature and Seal of Professional Surveyor:



8894  
Certificate Number

**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 WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NO. MDA 701-98-0013	
b. TYPE OF COMPLETION NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache Tribe	
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 No. 4	
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		9. API WELL NO. 30-039-26733	
At total depth 2066' FSL and 2018' FEL Unit J		10. FIELD AND POOL, OR WILDCAT Cabresto Canyon - Tertiary	
14. PERMIT NO. N/A		12. COUNTY OR PARISH Rio Arriba	
DATE ISSUED N/A		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 TO, MD & TVD 3937'		22. IF MULTIPLE COM. HOW MANY* NA	
23. INTERVALS DRILLED BY →		ROTARY TOOLS Yes	
24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD*) 2647'-2667', 3186'-3178', 3224'-3234'		CABLE TOOLS N/A	
25. TYPE ELECTRIC AND OTHER LOGS RUN GR-HRI, GR-SDL-DSN		25. WAS DIRECTIONAL SURVEY MADE Yes	
26. TYPE ELECTRIC AND OTHER LOGS RUN GR-HRI, GR-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"	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					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					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 6/29/01	HOURS TESTED 24	CHOKE SIZE 1/2"	PROD'N FOR TEST PERIOD →	OIL - BBL 0	GAS - MCF 550	WATER - BBL 120	GAS-OIL RATIO 0
FLOW TBG PRESS 225	CASING PRESSURE NA	CALCULATED 24-HOUR RATE →	OIL - BBL 0	GAS - MCF 550	WATER - BBL 120	OIL GRAVITY - API (CORR.) N/A	

34. DISPOSITION OF GAS Sold		TEST WITNESSED BY Raymond Key	
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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 <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, 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) 2066' FSL and 2018' FEL (NW/SE) Unit J Sec. 34, T30N-R03W		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	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 and 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

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  
OFFICE OF THE ATTORNEY GENERAL

14. I hereby certify that the foregoing is true and correct		
Signed <u>Gay Davis</u>	Title <u>Office Manager</u>	Date <u>05/09/01</u>
(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)		
Approved By <u>Cecilia M. Hester</u>	Title <u>Lands and Mineral Resources</u>	Date <u>5/17/01</u>
Conditions of approval, if any:		

**CONFIDENTIAL**



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTSUBMIT 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	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 34, T30N-R03W		12. COUNTY OR PARISH Rio Arriba	
13. STATE NM		14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 56 miles east of Bloomfield, New Mexico	
15. DISTANCE FROM PROPOSED * LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT 2039'		16. NO. OF ACRES IN LEASE 39,360	
17. NO. OF ACRES ASSIGNED TO THIS WELL SE 1/4 160		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 OF, 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' -

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.

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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