

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Bravo 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-104  
Revised February 10, 1994  
Instructions on back  
Submit to Appropriate District Office  
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator Name and Address Manzano Oil Corporation P.O. Box 2107 Roswell, NM 88202-2107		OGRID Number 013954
		Reason for Filing Code RC
API Number 30 - 0 25-05087	Pool Name King Wolfcamp	Pool Code 36100
Property Code 17251	Property Name Howard Fleet	Well Number 2

II. <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	35	13S	37E		990	South	330	East	Lea

<sup>11</sup> Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	35	13S	37E		990	South	330	East	Lea
Lee Code P	Producing Method Code P	Gas Connection Date 7/1/85		C-129 Permit Number		C-129 Effective Date		C-129 Expiration Date	

III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	O/G	POD ULSTR Location and Description
015694	Navajo Refining Company P.O. Box 159 Artesia, NM 88210	493210	0	
024650	Warren Petroleum Corp. P.O. Box 1589 Tulsa, OK 74102	493230	G	

IV. Produced Water

POD 493250	POD ULSTR Location and Description
---------------	------------------------------------

V. Well Completion Data

Spud Date 2/20/97	Ready Date 3/12/97	TD 12,625'	PBTD 9409'	Perforations 9350-56' & 9366-76'
Hole Size	Casing & Tubing Size	Depth Set	Sacks Cement	
On file.				

VI. Well Test Data

Date New Oil 3/12/97	Gas Delivery Date 7/1/85	Test Date 3/12/97	Test Length 24 hrs	Tbg. Pressure 15	Csg. Pressure 15
Choke Size None	Oil 103	Water 20	Gas 36	AOF	Test Method Pumping

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Allison Hernandez

Printed name:

Allison Hernandez

Title:

Engineering Technician

Date:

4/15/97

Phone:

(505) 623-1996

OIL CONSERVATION DIVISION

Approved by:

Chris Williams  
DISTRICT SUPERVISOR

Title:

Approval Date:

\* If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature

Printed Name

Title

Date

New Mexico Oil Conservation Division  
C-104 Instructions

IF THIS IS AN AMENDED REPORT, CHECK THE BOX LABELED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT

Report all gas volumes at 15.025 PSIA at 60°.  
Report all oil volumes to the nearest whole barrel.

A request for allowable for a newly drilled or deepened well must be accompanied by a tabulation of the deviation tests conducted in accordance with Rule 111.

All sections of this form must be filled out for allowable requests on new and recompleted wells.

Fill out only sections I, II, III, IV, and the operator certifications for changes of operator, property name, well number, transporter, or other such changes.

A separate C-104 must be filed for each pool in a multiple completion.

Improperly filled out or incomplete forms may be returned to operators unapproved.

1. Operator's name and address
2. Operator's OGRID number. If you do not have one it will be assigned and filled in by the District office.
3. Reason for filing code from the following table:  
NW New Well  
RC Recompletion  
CH Change of Operator  
AO Add oil/condensate transporter  
CO Change oil/condensate transporter  
AG Add gas transporter  
CG Change gas transporter  
RT Request for test allowable (Include volume requested)  
If for any other reason write that reason in this box.
4. The API number of this well
5. The name of the pool for this completion
6. The pool code for this pool
7. The property code for this completion
8. The property name (well name) for this completion
9. The well number for this completion
10. The surface location of this completion. NOTE: If the United States government survey designates a Lot Number for this location use that number in the "UL or lot no." box. Otherwise use the OCD unit letter.
11. The bottom hole location of this completion
12. Lease code from the following table:  
F Federal  
S State  
P Fee  
J Jicarilla  
N Navajo  
U Ute Mountain Ute  
I Other Indian Tribe
13. The producing method code from the following table:  
F Flowing  
P Pumping or other artificial lift
14. MO/DA/YR that this completion was first connected to a gas transporter
15. The permit number from the District approved C-129 for this completion
16. MO/DA/YR of the C-129 approval for this completion
17. MO/DA/YR of the expiration of C-129 approval for this completion
18. The gas or oil transporter's OGRID number
19. Name and address of the transporter of the product
20. The number assigned to the POD from which this product will be transported by this transporter. If this is a new well or recompletion and this POD has no number the district office will assign a number and write it here.
21. Product code from the following table:  
O Oil  
G Gas

22. The ULSTR location of this POD if it is different from the well completion location and a short description of the POD (Example: "Battery A", "Jones CPD", etc.)
  23. The POD number of the storage from which water is moved from this property. If this is a new well or recompletion and this POD has no number the district office will assign a number and write it here.
  24. The ULSTR location of this POD if it is different from the well completion location and a short description of the POD (Example: "Battery A Water Tank", "Jones CPD Water Tank", etc.)
  25. MO/DA/YR drilling commenced
  26. MO/DA/YR this completion was ready to produce
  27. Total vertical depth of the well
  28. Plugback vertical depth
  29. Top and bottom perforation in this completion or casing shoe and TD if openhole
  30. Inside diameter of the well bore
  31. Outside diameter of the casing and tubing
  32. Depth of casing and tubing. If a casing liner show top and bottom.
  33. Number of sacks of cement used per casing string
- The following test data is for an oil well it must be from a test conducted only after the total volume of load oil is recovered.
34. MO/DA/YR that new oil was first produced
  35. MO/DA/YR that gas was first produced into a pipeline
  36. MO/DA/YR that the following test was completed
  37. Length in hours of the test
  38. Flowing tubing pressure - oil wells  
Shut-in tubing pressure - gas wells
  39. Flowing casing pressure - oil wells  
Shut-in casing pressure - gas wells
  40. Diameter of the choke used in the test
  41. Barrels of oil produced during the test
  42. Barrels of water produced during the test
  43. MCF of gas produced during the test
  44. Gas well calculated absolute open flow in MCF/D
  45. The method used to test the well:  
F Flowing  
P Pumping  
S Swabbing  
If other method please write it in.
  46. The signature, printed name, and title of the person authorized to make this report, the date this report was signed, and the telephone number to call for questions about this report
  47. The previous operator's name, the signature, printed name, and title of the previous operator's representative authorized to verify that the previous operator no longer operates this completion, and the date this report was signed by that person

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 5 copies  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

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

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

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

Form C-105  
Revised 1-1-89

WELL API NO.

30-025-05087

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Howard Fleet

8. Well No.

2

9. Pool name or Wildcat

King Wolfcamp

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 ☐

DOVE  
REPAIR ☐

OTHER ☐

2. Name of Operator

Manzano Oil Corporation

3. Address of Operator

P.O. Box 2107, Roswell, NM 88202-2107

4. Well Location

Unit Letter P : 990 Feet From The South Line and 330 Feet From The East Line

Section 35 Township 13 South Range 37 East NMPM Lea County

10. Date Spudded

2/20/97

11. Date T.D. Reached

3/8/97

12. Date Compl. (Ready to Prod.)

3/12/97

13. Elevations (DF & R&B, RT, GR, etc.)

3852' DF

14. Elev. Casinghead

15. Total Depth

12,625'

16. Plug Back T.D.

9409'

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

Cable Tools

X

19. Producing Interval(s), of this completion - Top, Bottom, Name

9350-56' & 9366-76' Wolfcamp

20. Was Directional Survey Made

21. Type Electric and Other Logs Run

None

22. Was Well Cored

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
On file.					

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
On file.		9377'

26. Perforation record (interval, size, and number)

9350-56' & 9366-76'

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

DEPTH INTERVAL

AMOUNT AND KIND MATERIAL USED

9350-76'

Acidized w/750 gal 20% NEFF

overall

Acidized w/7500 gal 20% NEFF

PRODUCTION

Date First Production 3/12/97		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping				Well Status (Prod. or Shut-in) Producing	
Date of Test 3/12/97	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 103	Gas - MCF 36	Water - Bbl 20	Gas - Oil Ratio 350
Flow Tubing Press 15	Casing Pressure 15	Calculated 24-Hour Rate	Oil - Bbl 103	Gas - MCF 36	Water - Bbl 20	Oil Gravity - API - (Corr.) 38.0	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

Test Witnessed By

Ronnie Carre

30. List Attachments

None

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

Allison Hernandez

Printed  
Name

Allison Hernandez

Title Eng. Tech.

Date 4/15/97