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Appropriate District Office  
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-104  
Revised 11/87  
See Instructions  
Bottom of Page  
**RECEIVED**  
FEB 13 1989  
**OIL CON. DIV.**  
**DIST. 3**

**REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS**

Operator Mallion Oil Company		Well API No. 30-039-24044
Address 1099 18th Street, Suite 2750, Denver, CO 80202		
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)		
New Well <input type="checkbox"/>	Change in Transporter of:	
Recompletion <input checked="" type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>	
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>	

If change of operator give name  
and address of previous operator

**II. DESCRIPTION OF WELL AND LEASE**

Lease Name Davis-Federal 3	Well No. 15	Pool Name, Including Formation Mesa Verde	Communitized Federal Kind of Lease State, Federal or Fee	Lease No. NM-04077
Location Unit Letter 0 : 795 Feet From The South Line and 2145 Feet From The East Line Section 3 Township 25N Range 2W, NMPM, Rio Arriba County				

**III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS**

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) P.O. Box 1702, Farmington, NM 87401	
Permian Corporation		
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) P.O. Box 20001, El Paso, TX 79998	
Phelps Dodge Refining Corporation		
If well produces oil or liquids, give location of tanks.	Unit N	Sec. 11
	Twp. 25N	Rge. 2W
	Is gas actually connected? When? yes 01/87	

If this production is commingled with that from any other lease or pool, give commingling order number:

**IV. COMPLETION DATA**

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
		X						X
Date Spudded 07-30-86	Date Compl. Ready to Prod. 12-10-87	Total Depth 8277'		P.B.T.D. 6658' (see note on back)				
Elevations (DF, RKB, RT, GR, etc.) 7458' GL	Name of Producing Formation Mesa Verde	Top Oil/Gas Pay 5431'		Tubing Depth 8146'				
Perforations 5431 5433 5442 5454 5459 5461 5463 5468 5506 5509 5545 5547 5549 5551 5553 5555 5557 5559 5561 5563 5567 5569 5645 5647 5649 5651 5653 5798 5800	TUBING, CASING AND CEMENTING RECORD							
HOLE SIZE 9 5/8"	CASING & TUBING SIZE 24#/ft	DEPTH SET 271'		SACKS CEMENT 236 ft <sup>3</sup> Class B w/ 2% CaCl <sub>2</sub>				
5 1/2"	17 #/ft	8277'		630 ft <sup>3</sup> 50-50 pozmix w/ 2% gel, 10% salt 2nd:206 ft <sup>3</sup> Class B w/ 2% econolite tailored by 284 ft <sup>3</sup> 50-50 (see back)				

**V. TEST DATA AND REQUEST FOR ALLOWABLE**

**OIL WELL** (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

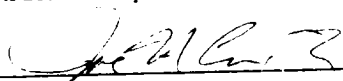
Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas- MCF

**GAS WELL**

Actual Prod. Test - MCF/D 1628	Length of Test 24	Bbls. Condensate/MMCF 44.46	Gravity of Condensate 39.9
Testing Method (prior, back pr.) clean up flow	Tubing Pressure (Shut-in) 450	Casing Pressure (Shut-in) 660	Choke Size n/a

**VI. OPERATOR CERTIFICATE OF COMPLIANCE**

I hereby certify that the rules and regulations 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  
Joe H. Cox, Jr. Engineer  
Printed Name  
Date 02-10-89 (303) 293-2333 Title  
Telephone No.

**OIL CONSERVATION DIVISION**

Date Approved **MAR 30 1989**

By Original Signed by FRANK T. CHAVEZ

Title SUPERVISOR DISTRICT #3

- INSTRUCTIONS:** This form is to be filed in compliance with Rule 1104
- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
  - 2) All sections of this form must be filled out for allowable on new and recompleted wells.
  - 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
  - 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

P.B.T.D. cont.  
As requested by Steve Mason of the Farmington BLM a CIBP was set at 6750' w/  
92' of cement in order to isolate the Gavilan-Mancos, and a CIBP was set at  
7900' w/ 92' of cement in order to isolate the Upper Dakota Perfs.

Tubing, Casing and Cementing Record cont.  
pozmix w/ 2% gel, 10% salt  
3rd: 515 ft<sup>3</sup> Class B w/2% econolite  
tailed by 158 ft<sup>3</sup> 50-50 pozmix w/ 2%  
gel, 10% salt.  
4600'-5350' and 5700'-5840' - squeezed  
two intervals w/ 450 sx cement in 4  
squeeze jobs.

\*\*Please note that all of the perforations  
from the previously completed zones have  
been abandoned.