

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-01-78
Format 08-01-83
Page 1

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MAY 21 1987
OIL CON. DIV.

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator
Mallon Oil Company

Address
1099 18th Street, Suite 2750, Denver, CO 80202

Reason(s) for filing (Check proper box)

<input checked="" type="checkbox"/> New Well	Change in Transporter of:	Other (Please explain)
<input type="checkbox"/> Accomplishment	<input type="checkbox"/> Oil	This is an amended C-104 for the C-104
<input type="checkbox"/> Change in Ownership	<input type="checkbox"/> Castorhead Gas	previously filed on 04-15-87.
	<input type="checkbox"/> Dry Gas	
	<input type="checkbox"/> Condensate	

If change of ownership give name and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name Jicarilla 435 G	Well No. 1	Pool Name, including Formation Otero Sanostee Gallup Ext.	Kind of Lease State, Federal or Fee Indian	Lease No. Contract #435
Location Unit Letter <u>F</u> : <u>1850</u> Feet From The <u>North</u> Line and <u>1850</u> Feet From The <u>West</u> Line of Section <u>9</u> Township <u>22N</u> Range <u>4W</u> , NMPM, <u>Sandoval</u> County <u>Jicarilla</u>				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

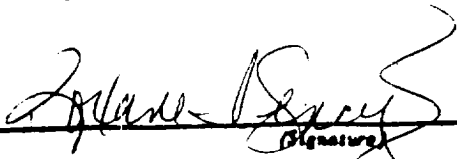
Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Permian Corporation	Address (Give address to which approved copy of this form is to be sent) P.O. Box 1702, Farmington, NM 87401
Name of Authorized Transporter of Castorhead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
If well produces oil or liquids, give location of tanks.	Unit : <u>F</u> Sec. : <u>9</u> Twp. : <u>22N</u> Rge. : <u>4W</u>
Is gas actually connected?	<u>no</u>

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

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. 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 is true and complete to the best of my knowledge and belief.



Production Assistant
(Title)
04-30-87
(Date)

OIL CONSERVATION DIVISION
MAY 21 1987

APPROVED _____, 19____
BY _____
Original Signed by FRANK T. CHAVEZ
SUPERVISOR DISTRICT # 3
TITLE _____

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviated tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for all wells on new and recompleted wells.
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.
Separate Forms C-104 must be filed for each pool in multi-completed wells.

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							
Date Spudded 12-26-86	Date Compl. Ready to Prod. 03-20-87	Total Depth 6000' RKB			P.B.T.D. 5934' RKB				
Elevations (DF, RKB, RT, GR, etc.) 6853' RKB	Name of Producing Formation Gallup	Top Oil/Gas Pay 4684'			Tubing Depth 5896'				
Perforations 5824-5836 12' 48 holes (.34" diameter), see below						Depth Casing Shoe 5968'			
TUBING, CASING, AND CEMENTING RECORD									
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT				
12 1/4"	8 5/8"		201'		148 ft ³ Class B w/ 2%CaCl ₂				
7 7/8"	4 1/2"		5968'		1st: 441 ft ³ of 50/50 poz w/ 2% gel, 10% salt & 1/4 #/cc floccle, DV 84403				
			2nd: 221 ft ³ Class B w/ 2% D-79		tailed by 410 ft ³				

V. TEST DATA AND REQUEST FOR ALLOWABLE (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 Tanks 03-27-87	Date of Test 04-01-87	Producing Method (Flow, pump, gas lift, etc.) pumping	
Length of Test 24	Tubing Pressure	Casing Pressure	Choke Size 250
Actual Prod. During Test 78.3	Oil - Bbls. 78.3	Water - Bbls. 0	Gas - MCF 77.4

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-In)	Casing Pressure (Shut-In)	Choke Size

Casing cont.

50/50 poz mix w/ 2% gel, 10% salt.

Tubing Record

Size - 2 3/8", Depth set - 5896'

Perforations cont.

4684	4928	5099	5234	5337
4735	4943	5106	5242	5339
4752	4950	5124	5260	5345
4765	4958	5141	5262	5350
4775	4973	5143	5264	5352
4799	4989	5145	5285	5364
4811	4998	5162	5290	5372
4836	5011	5167	5307	
4847	5016	5175	5323	
4875	5029	5205	5331	
4885	5031	5209	5333	
4913	5033	5232	5335	

Total 55 perforations (.34" diameter)