

Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1900, Hobbs, NM 88240

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

DISTRICT III
1000 Rio Bonito 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 1-1-89
See Instructions
at Bottom of Page

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

I.

Operator Meridian Oil Inc.	Well API No. 30-045-27598
Address PO Box 4289, Farmington, NM 87499	
Reason(s) for Filing (Check proper box) ☐ Other (Please explain)	
New Well ☒	Change in Transporter of:
Recompletion ☐	Oil ☐ Dry Gas ☐
Change in Operator ☐	Casinghead Gas ☐ Condensate ☐

If change of operator give name
and address of previous operator

II. DESCRIPTION OF WELL AND LEASE

Lease Name San Juan 32-9 Unit	Well No. 210	Pool Name, including Formation Basin Fruitland Coal	Kind of Lease State, Federal or Fee	Lease No. B-11133-31
Location Unit Letter <u>N</u> : <u>900</u> Feet From The <u>South</u> Line and <u>1500</u> Feet From The <u>West</u> Line Section <u>2</u> Township <u>31</u> Range <u>10</u> NMPM, San Juan County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒ Meridian Oil Inc.	Address (Give address to which approved copy of this form is to be sent) PO Box 4289, Farmington, NM 87499	
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒ El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) PO Box 4990, Farmington, NM 87499	
If well produces oil or liquids, give location of tanks.	Unit <u>N</u>	Sec. <u>2</u>
	Twp. <u>31</u>	Rge. <u>10</u>
	Is gas actually connected? ☐ When?	

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 03-19-90	Date Compl. Ready to Prod. 04-23-90		Total Depth 2973'		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.) 6148' GL	Name of Producing Formation Fruitland Coal		Top Oil/Gas Pay 2742'		Tubing Depth 2918'			
Performances 2742-53', 2765-78', 2860-80', 2940-42', 2949-59' w/4 spf					Depth Casing Shoe			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
12 1/4"	9 5/8"		221'		189 cu.ft.			
8 3/4"	7"		2713'		856 cu.ft.			
6 1/4"	4 1/2"		2972'		120 cu.ft.			
	2 3/8"		2918'					

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
MAY 09 1990			

GAS WELL

Actual Prod. Test - MCF/D 177	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.) backpressure	Tubing Pressure (Shut-in) SI 646	Casing Pressure (Shut-in) SI 646	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

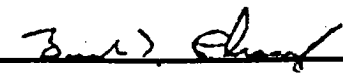
I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.



Signature
Peggy Bradfield Reg. Affairs
Printed Name
5-8-90 Title
Date 326-9700
Telephone No.

OIL CONSERVATION DIVISION

Date Approved MAY 09 1990

By 
SUPERVISOR DISTRICT #3
Title

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.

1. The first part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation

$$f(x) = \int_0^x \frac{1}{1+t^2} dt$$

2. In the second part, we consider the function $F(x)$ defined by the equation

$$F(x) = \int_0^x f(t) dt$$

3. Finally, in the third part, we study the function $G(x)$ defined by the equation

$$G(x) = \int_0^x F(t) dt$$

4. The results of the study are summarized in the following table:

Function	Properties
$f(x)$	Increasing, concave down, $f(0) = 0$, $\lim_{x \rightarrow \infty} f(x) = \frac{\pi}{2}$
$F(x)$	Increasing, concave up, $F(0) = 0$, $\lim_{x \rightarrow \infty} F(x) = \frac{\pi^2}{4}$
$G(x)$	Increasing, concave down, $G(0) = 0$, $\lim_{x \rightarrow \infty} G(x) = \frac{\pi^3}{12}$