

November 10, 1992

Douglas P. Meyer  
858 Third Avenue  
Longmont, Colorado 80501  
(303) 651-3119

Colorado Department of Health  
Air Pollution Control Division  
APCD-SS-B1  
4300 Cherry Creek Drive South  
Denver Colorado 80222-1530



99999999

API 057 05046

Gentlemen:

Enclosed you will find my amended Air Pollution Emission Notice along with an amended Air Pollution Emission Permit. Enclosed also is a gas analysis of the subject source.

The source of emission is an oil well which emits the gas which is 99.64% CO<sub>2</sub>, Nitrogen and Methane.

I calculate the total volume of emissions to be 2,000 MCF per day. I am applying for a permit for "less than 250 tons per year" Listed below you will find my calculations based on 2,000 MCF per day emissions:

COMPONENT	VOL %	GAL/MCF	Daily MCF x Vol % x #/Cu ft = #/Day			
NITROGEN	2.303					
CO <sub>2</sub>	94.234					
OXYGEN	0.000					
METHANE	3.103					
ETHANE	0.000					
PROPANE	0.136	0.037	2,000	x.00136%	x.1162#CF	=316.064
ISOBUTANE	0.023	0.007	2,000	x.00023%	x.1623#CF	= 74.658
N-BUTANE	0.053	0.017	2,000	x.00053%	x.1623#CF	=172.038
ISOPENTANE	0.020	0.007	2,000	x.00020%	x.19013#CF	= 76.045
N-PENTANE	0.024	0.009	2,000	x.00024%	x.19013#CF	= 91.262
HEXANES	0.104	0.047	2,000	x.00104%	x.22709#CF	=472.347
TOTAL POUNDS PER DAY = 1,202.414, TOTAL ANNUAL EMISSIONS						
IF OPERATED 24 HOURS PER DAY, 365 DAYS PER YEAR = 219.44 TONS						

Based on 2,000 MCF per day, the non-methane hydrocarbons amount to 1,202.414 pounds per day or 219.44

Please call me collect at 651-3119 if I can answer any questions

Sincerely:

  
Douglas P. Meyer

RECEIVED

DEC 20 1992



00272392

COLO. OIL & GAS CONS. COMMISSION

# AIR POLLUTION EMISSION NOTICE FOR NEW SOURCES

FIRM NAME Douglas P. Meyer PERMIT NO. \_\_\_\_\_  
 MAIL ADDRESS 858 Third Avenue, Longmont Colorado 80501 PLANT LOCATION NW SE Sec 18-T9N-R78W COUNTY Jackson  
 PERSON TO CONTACT REGARDING THIS INFORMATION -Doug Meyer TITLE Owner PHONE (303) 651-3119  
 GENERAL DESCRIPTION OF THIS PLANT'S FUNCTION vent gas from oil well

<b>A. GENERAL INFORMATION</b>		<b>Normal Operation of Plant*</b>			<b>Seasonal Throughput (% of Annual)</b>				*Specify any significantly different schedule of a unit or process which emits air pollutants:							
No. of Employees	Land Area	Hours/Day	Days/Week	Weeks/Year	Dec-Feb	Mar-May	Jun-Aug	Sep-Nov								
1	1.0	24	7	52	25	25	25	25								
<b>B. STACK OR VENT INFORMATION</b> (Identify below which stack if plant has two or more; refer to attached sketch of plant layout)																
Height	Diameter	Temperature	Flow Rate	Velocity	Moisture	Plant ID No. for Stack										
17 ft	10 ft	°F	1380 ACFM	ft/min	%											
<b>C. FUEL INFORMATION</b>				Design Rate	Kind of Fuel Burned		Annual Consumption	Heating Value	Per Cent by Weight		Seasonal Use (% of Annual Use)				SpaceHtg	
Description of Combustion Unit				(10 <sup>6</sup> BTU/Hr)			(Tons, 10 <sup>3</sup> Gal, or 10 <sup>6</sup> SCF)	(10 <sup>6</sup> BTU/Annual Unit)	Sulfur (X.XX%) Ash (XX.XX%)		Dec-Feb Mar-May Jun-Aug Sep-Nov				(% Ann.)	
Make/Model:																
Serial No.																
<b>D. PROCESS INFORMATION</b>					Raw Materials, Solvents, etc: Used			Design Rate		Finished Product						
Description of Processing Unit					Description			Annual Consumption		(Specify Units/Hour)		Product Description			Annual Output	
Make/Model:																
Serial No.																
<b>E. POLLUTION CONTROL EQUIPMENT</b>				Overall	Cost of Control Equipment			EMISSIONS ESTIMATE	UNCONTROLLED EMISSIONS	ALLOWABLE EMISSIONS	ESTIMATION					
Pollutant	Type of Control Equipment		Collection	Initial	Annual Total	Annual Energy Used	TONS/YEAR	TONS/YEAR	TONS/YEAR	METHOD						
	Primary	Secondary	Efficiency	Installation	Operating Cost	(Specify Units & Type)										
Particulate																
SO <sub>x</sub>																
NO <sub>x</sub>																
VOC																
CO																
Other																

REMARKS: \_\_\_\_\_  
 Signature of Person Legally Authorized to Supply Data Douglas P Meyer Date November 10, 1992  
 Typed Name & Title Douglas P. Meyer **DATA YEAR** \_\_\_\_\_

(For APCD Use)				Date of Record	UTM	UTM Coordinates		SCC Code
County ID	ADCR	Plant ID	NEPS		Zone	Horizontal	Vertical	

Mail to: COLORADO DEPARTMENT OF HEALTH  
 AIR POLLUTION CONTROL DIVISION  
 4210 East 11th Avenue  
 (303) 331-8576  
 (303) 331-8511

This application must be filled out completely except for #14 & #15; otherwise, application will be considered incomplete - SEE INSTRUCTIONS ON REVERSE SIDE. Mail completed application, APENs, and filing fee to: Stationary Sources Program, Air Pollution Control Division, Colorado Department of Health, 4210 East 11th Avenue, Denver, Colorado 80220.

## 1. PERMIT TO BE ISSUED TO:

Douglas P. Meyer

## 2. MAILING ADDRESS:

858 Third Avenue, Longmont

State: Colorado

ZIP CODE: 80501

## 3. AGENT FOR SERVICE (See No. 3 on reverse);

NA

## 4a. GENERAL NATURE OF BUSINESS:

Oil Production

## 4b. SIC Code:

## 5a. AIR POLLUTION SOURCE DESCRIPTION:

Flowing Oil and Gas Well

## 5b. Days per year source will operate

## 6a. SOURCE LOCATION ADDRESS:

Check if map included:

North Park Coal #1 (Oil Well)

NW SW Section 18-T9N-R78W

COUNTY Jackson

## 6b. UTM Coordinates (in km):

\_\_\_\_\_ H \_\_\_\_\_ V

## 7. ESTIMATED COSTS:

## 7a. Source, Process Equipment or Project:

Cap.

Cost: \$ 10,000.00 Annualized: \$ \_\_\_\_\_

## Air Pollution Control Procedures or Equipment:

7b. Capital Cost: \$10,000.00 Annualized: \$ \_\_\_\_\_

7c. Operating Cost \$ 5,000.00 /yr.

## 8a. STATUS

☒ New Air Pollution Source☐ Existing Source Change (Control equipment added, process change, etc.): \_\_\_\_\_☐ Other: \_\_\_\_\_

## Projected Dates for Construction to:

## Projected Source Startup Date:

8b. Begin: Aug 1992 8c. End: Sept 1992

8d. \_\_\_\_\_

## 9. Enclose check to cover APEN FILING FEES. One APEN should be filed for each emission point:

APENs @ \$60.00 per APEN = \$60.00

## 10. SIGNATURE OF LEGALLY AUTHORIZED PERSON (NOT vendor or equipment manufacturer):

*Douglas P Meyer*

## 11a. DATE SIGNED:

November 10, 1992

## 11b. TELEPHONE NO.:

(303) 651-3119

## 12. Type or print name and official title of person signing item 10.

Douglas P. Meyer, owner and operator

## Agency Use Only

## 14. DATE RECEIVED

## 13. Check appropriate box if you want:

a. ☐ Copy of preliminary analysis conducted by Divisionb. ☐ To review a draft of the permit prior to issuance?

NOTE: Checking either item could result in increased fees or processing time. See Reverse.

## 15. PERMIT NUMBER

# VESSELS OIL & GAS COMPANY

1245 WELD COUNTY ROAD #19 BRIGHTON, CO. 80601 (303) 659-6534

## GAS SAMPLE CHROMATOGRAPHIC ANALYSIS SUMMARY

ANALYSIS NO.: 0892-163

REPORT DATE: 08-07-1992

COMPANY: MEYER OIL COMPANY

LOCATION/LEASE/WELL: NORTH PARK COAL #1 STATION NO.:

SAMPLE PRESSURE AND TEMPERATURE WHEN TAKEN: 600 PSIG . F

SAMPLE PRESSURE AND TEMPERATURE WHEN ANALYZED: 237.6 PSIG 125 F

DATE SAMPLED: 08/06/92

DATE ANALYZED: 08/07/92

SAMPLED BY: MEYER

ANALYST: CLINE

REMARKS:

COMPONENT	MOL. PERCENT	GPM (1)	
NITROGEN	2.303		
CO2	94.234		
OXYGEN/Ar	0.000		
METHANE	3.103		
ETHANE	0.000	0.000	
PROPANE	0.136	0.037	
ISOBUTANE	0.023	0.007	
N-BUTANE	0.033	0.017	
ISOPENTANE	0.020	0.007	
N-PENTANE	0.024	0.009	
HEXANES+	0.104	0.047	
TOTALS	100.000	02+ = 0.124 03+ = 0.124	IC5+ = 0.063

GAS SPECIFIC GRAVITY: DETERMINED = 0.000

GAS SPECIFIC GRAVITY: CALCULATED = 1.487

GAS HEATING VALUE: ADJUSTED BTU/FT3, 14.65 PSIA, 60 F SATURATED = 43.8

COMPRESSIBILITY FACTOR = 0.97458

(1) GALLONS PER 1000 SCF @ 60 F AND 14.65 PSIA

INVOICE TO: MEYER OIL COMPANY.

NORTH PARK COAL #1 (OIL WELL)  
NW SE Section 18-T9N-R78W  
Jackson County Colorado

