Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

N.M. C. Cons. Division

811 S. 1st St, et

Artesia, NM

8210 29 20 APPROVED 8210 29 20 APPROVED Expires: March 31, 1993

RECEIVE 5. Lease Designation and Serial No. NM-86908 SUNDRY NOTICES AND REPORTS ON WELLS 6. If Indian, Allottee or Tribe Name Do not use this form for proposals to drill or to deepen or reentry to a differentire sepoin. Use "APPLICATION FOR PERMIT-" for such proposals BUREAU OF LAND M If Unit or CA, Agreement Designation SUBMIT IN TRIPLICATE 1. Type of Well X Oil Well Gas 8. Weil Name and No. Well Other Mitchell 21 Federal # 1 2. Name of Operator Pogo Producing Company 9. API Well No. 3. Address and Telephone No. 30-015 - 28559 P. O. Box 10340, Midland, TX 79702-7340 (915)682-6822 10. Field and Pool, or Exploratory Area 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <u>Cedar Canyon Delaware</u> 11. County or Parish, State 1650' FNL & 1650' FEL, Section 21, T24S, R29E Eddy County, New Mexico CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 12. TYPE OF SUBMISSION TYPE OF ACTION ■ Notice of Intent Abandonment Change of Plans Recompletion **New Construction** Subsequent Report Plugging Back Non-Routine Fracturing Casing Repair Water Shut-Off Final Abandonment Notice Altering Casing Conversion to Injection Dispose Water

13. Describe Proposed or Completed Operations (Clearly state all pertinet details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markders and zones pertinent to this work.)*

Pogo Producing Company is requesting approval for surface commingling and measurement of gas production from the following formations and wells. Pogo has a meter at each battery that is used to allocate gas production based on their measurement and El Paso's sales meter. El Paso's sales meter is located SE/4, SE/4, Section 9, T24S, R29E, Eddy County, New Mexico.

Battery	Lease No.	Loc.	Section	TWP	Range]	
Mitchell 21 #1	NM-86908	SW/4, NE/4	21	24	29		
Well No.	Lease No.	Loc.	Section	TWP	Range	mcfpd	Formation
Mitchell 21 #1	NM-86908	SW/4, NE/4	21	24	29	128	Delaware
Mitchell 21 #2	NM-86908	NW/4, SE/4	21	24	29	28	Delaware
Mitchell 21 #3	NM-86908	NE/4, SE/4	21	24	29	100	Delaware

14. I hereby certify hat the foregoing is true and correct Signed	Title	Senior Operations Engineer	Date	08/12/97
(This space for Federal or State office use) (ORIG. SGD.) DAVID R. GLASS Approved by Conditions of approval if any	Title	PETROLEUM ENGINEER	Date	AUG 1 9 1997

SEE ATTACHED FOR

Title 18 U.SCOARD TO PHONGS O Erin A phan to Wandowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

≥L S

REMARKS:

Laboratory Services, Inc.

1331 Tasker Drive Hobbs, New Mexico 88240 Telephone: (505) 397-3713

FOR:

Pogo Producing Company

Attention: Mr. Richard Wright

P. O. Box 10340

Midland, Texas 79702

SAMPLE DATA: DATE SAMPLED: 4/17/97 12:55 PM

4/18/97

45

72

ANALYSIS DATE: PRESSURE - PSIG

SAMPLE TEMP. °F

ATMOO TEMP. T

ATMOS. TEMP. °F

H2S = 0

SAMPLE

IDENTIFICATION: Mitchell 21 Fed. #1

COMPANY:

Pogo Producing Co.

LEASE:

PLANT:

GAS (XX)

LIQUID ()

SAMPLED BY: ANALYSIS BY: Rolland Perry Vickie Walker

COMPONENT ANALYSIS

COMPONENT		MOL PERCENT	GPM
Hydrogen Sulfide	(H2S)	0.00	
Nitrogen	(N2)	11.13	
Carbon Dioxide	(CO2)	0.01	
Methane	(C1)	72.38	
Ethane	(C2)	9.79	2.613
Propane	(C3)	4.53	1.244
I-Butane	(IC4)	0.46	0.150
N-Butane	(NC4)	0.94	0.297
I-Pentane	(IC5)	0.23	0.085
N-Pentane	(NC5)	0.22	0.078
Hexane Plus	(C6+)	0.31	0.126
	_		
		100.00	4.593
BTU/CU.FT DRY AT 14.650 DRY	1097 1093		MOLECULAR WT. 21.0794
AT 14.650 WET	1074		
AT 14.73 DRY	1099		
AT 14.73 WET	1080		
SPECIFIC GRAVITY CALCULATED MEASURED	- 0.728		