

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Oil Cons. Div.

011 0118

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Pogo Producing Company

3. Address and Telephone No.

P. O. Box 10340, Midland, TX 79702-7340 (915) 682-6822

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1750' FSL & 660' FEL, Section 23, T24S, R29E

5. Lease Designation and Serial No.

NM-88138

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Canyon 23 Federal #1

9. API Well No.

30-015-29318

10. Field and Pool, or Exploratory Area

Pierce Crossing E., Bone

11. County or Parish, State

Spring

Eddy County, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent 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 markers and zones pertinent to this work.)

Pogo Producing Company respectfully ask permission to commingle and measure off lease production from the above well.

Pogo plans to lay a 3" poly line along a ROW to the River Bend Federal #7 Battery located SW/4, NW/4, Section 23, T24S, R29E, Eddy County, NM. This ROW, which also includes a power line, is currently being processed by the BLM and is subject to approval.

Pogo recently P & A'd the Atoka and recompleted in the Bone Springs formation in the subject well. All wells currently producing into the River Bend #7 Battery are Bone Springs wells.

Production will be gathered at the River Bend #7 Battery and allocated for all wells based on well test. A gas and water analysis is attached along with a plat showing the two locations and flowline route.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct

Signed *Alexis C. Swohoda* Title Senior Operations Engineer

Date 12/12/97

(This space for Federal or State office use)

Approved by (ORIG. SGD.) ALEXIS C. SWOBODA

PETROLEUM ENGINEER

Conditions of approval, if any:

Title

Date

DEC 18 1997

RECEIVED
1997 DEC 15 A 11:02
NORWELL OFFICE

**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 Test Separator
IDENTIFICATION: Canyon 23-1 Fed. Com #1
COMPANY: Pogo Producing Co.
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 12/1/97 11:16 PM
ANALYSIS DATE: 12/1/97
PRESSURE - PSIG 45
SAMPLE TEMP. °F
ATMOS. TEMP. °F 58
REMARKS: B2S = 0

GAS (XX) LIQUID ()
SAMPLED BY: Rolland Perry
ANALYSIS BY: Vickie Walker

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H ₂ S)	0.00	
Nitrogen (N ₂)	1.40	
Carbon Dioxide (CO ₂)	0.25	
Methane (C ₁)	71.11	
Ethane (C ₂)	12.17	3.248
Propane (C ₃)	6.97	1.916
I-Butane (IC ₄)	1.07	0.350
N-Butane (NC ₄)	2.91	0.915
I-Pentane (IC ₅)	0.94	0.344
N-Pentane (NC ₅)	1.08	0.390
Hexane Plus (C ₆ +) <u>2.10</u>		<u>0.862</u>
	100.00	8.025

BTU/CU.FT. - DRY 1420
AT 14.650 DRY 1415
AT 14.650 WET 1391
AT 14.73 DRY 1423
AT 14.73 WET 1398

MOLECULAR WT. 24.2230

SPECIFIC GRAVITY -
CALCULATED 0.836
MEASURED

Endura Products Corp.

P.O. Box 3394 Midland, Texas 79706
Phone (915) 684-4233 * Fax (915) 684-4277

WATER ANALYSIS

Date 12-4-97 Endura Rep TERRY SOLANSKY Code W-9984
Sampling Point/Date WELL HEAD / State NEW MEXICO
Company POGO PRODUCING CO. County EDDY
Field Lease CANYON "23" FEDERAL Well #1

DISSOLVED SOLIDS

<u>CATIONS</u>	mg/l	me/l
Sodium, Na ⁺ (Calc.)	56,672	2,464
Total Hardness as Ca ⁺⁺	12,800	0
Calcium, Ca ⁺⁺	10,880	544
Magnesium, Mg ⁺⁺	1,171	98
Barium, Ba ⁺⁺	0	0
Iron (Total) Fe ⁺⁺⁺	74	4

ANIONS

Chlorides, Cl ⁻	110,000	3,099
Sulfate, SO ₄ ⁻	150	3
Carbonate, CO ₃ ⁻	0	0
Bicarbonate, HCO ₃ ⁻	463	8
Sulfide, S ⁻	0	0
Total Dissolved Solids (Calc.)	179,410	

OTHER PROPERTIES

pH ⁺	5.800
Specific Gravity, 60°/60 F	1.114
TURBIDITY	>500

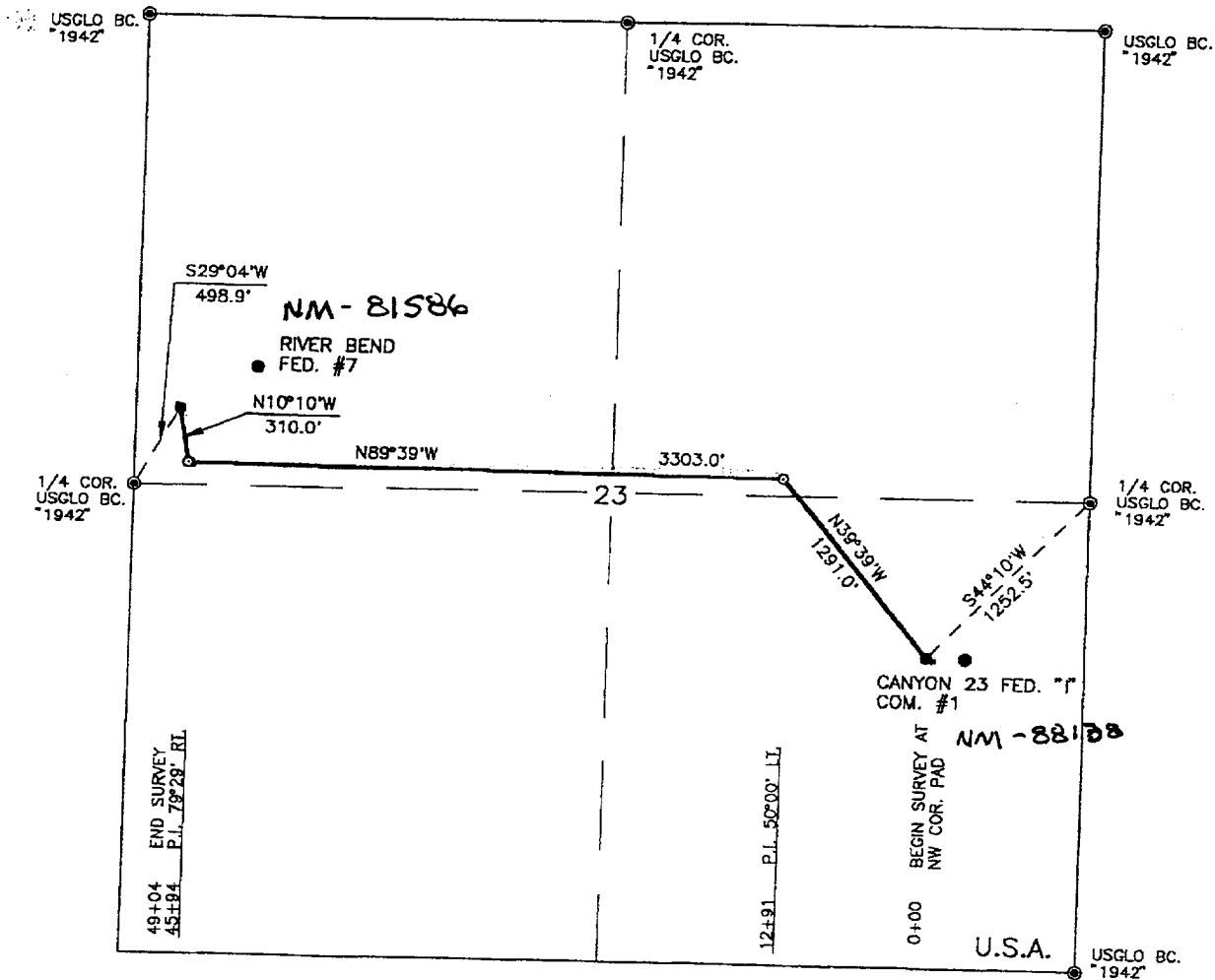
SCALING INDICIES

<u>TEMP, F</u>	<u>CA CO₃</u>	<u>CASO₄*2H₂O</u>	<u>CA SO₄</u>	<u>BA SO₄</u>
80	0.2516	-0.8302	-1.0951	-29.3490
120	0.6474	-0.8421	-0.9266	-29.5373
160	1.2558	-0.8650	-0.7768	-29.7641

PERFORATIONS

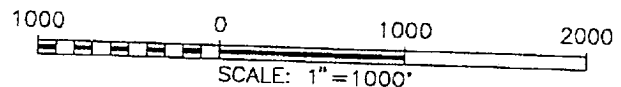
Bone Springs	8,782' - 8,796'	8,866' - 8,878'	9,004' - 9,032'
--------------	-----------------	-----------------	-----------------

SECTION 23, TOWNSHIP 24 SOUTH, RANGE 29 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



DESCRIPTION

A STRIP OF LAND 50.0 FEET WIDE AND 4904.0 FEET OR 0.929 MILES IN LENGTH AND BEING 25.0 FEET RIGHT AND 25.0 FEET LEFT OF THE ABOVE PLATTED SURVEY OF CENTERLINE.



I HEREBY CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

RONALD J. EIDSON, N.M. R.S. No. 3239

GARY E. EIDSON, N.M. R.S. No. 12641

JOHN W. WEST ENGINEERING COMPANY
CONSULTING ENGINEERS & SURVEYORS - HOBBS, NEW MEXICO

POGO PRODUCING COMPANY

A PIPELINE CROSSING U.S.A. LAND LOCATED
IN SECTION 23, TOWNSHIP 24 SOUTH, RANGE 29 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.

Survey Date: 11/26/97	Sheet 1 of 1 Sheets
W.O. Number: 97-11-1923	Drawn By: J. L. Presley
Date: 12/1/97	DISK: JLP#191 POG1923