

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Oil Cons.
N.M. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

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

RECEIVED

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

JAN 27 2004

2. Name of Operator

Pogo Producing Company

OCD-ARTESIA

3. Address and Telephone No.

P. O. Box 10340, Midland, TX 79702-7340 432-685-8100

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

5. Lease Designation and Serial No.

NM-45236

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No. Battery
Sterling Silver 33 #3

9. API Well No.

30-015-27425

10. Field and Pool, or Exploratory Area

Sand Dunes Delaware West

11. County or Parish, State

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

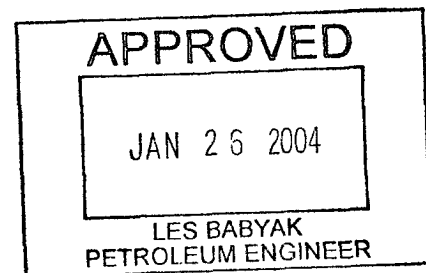
- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☒ Dispose Water

(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.)

SEE ATTACHED.

Accepted for record - NMOCD



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

Signed Cathy Wright
(This space for Federal or State office use)

Title Sr. Operation Tech

Date 01/22/04

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly 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.

*See Instruction on Reverse Side



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Carlsbad Resource Area Headquarters

P. O. Box 1778

Carlsbad, New Mexico 88220

IN REPLY REFER TO

3162

OPERATOR: Pogo Producing Company Lease No. NM-45236
WELL NO. & NAME Sterling Silver 33 Federal #3 Battery
LOCATION: SW 1/4 NW 1/4, Sec. 33, T. 23 S., R. 31 E., Eddy County, N.M.

The check list below indicates the information needed before your Waste or Salt Water Disposal method can be approved:

<u>Delaware</u>	Name(s) of formation(s) producing water on the lease.
<u>286 BW/D</u>	Amount of water produced from each formation in barrels per day.
<u>Attached</u>	A water analysis of produced water from each zone shown at least the total dissolved solids, ph, and the concentrations of chlorides and sulfates.
<u>2 - 500 bbl tanks</u>	How water is stored on the lease.
<u>Pipeline</u>	How water is moved to disposal facility.
<u>Pogo Producing Company</u> <u>Sand Dunes 28 #1</u> <u>NW/SE, Sec 28, T23S,</u> <u>R31E</u>	Operator's name, well name and location, by 1/4, section, township and range, of the disposal facility. If the disposal facility is an approved disposal system, the operator's name and the name of the disposal system should suffice.

Supervisory Petroleum Engineer Technician

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

WATER ANALYSIS

Date: 01/19/2000 Endura Rep.: Greg Archer
Sampling Point/Date: Wellhead /1-19-00
Company: POGO Producing Co.
Lease: Sterling Silver 33

Code: W19731
State: New Mexico
County: Eddy
Well: 5

DISSOLVED SOLIDS

<u>CATIONS</u>	mg/l	me/l
Sodium, Na+ (Calc.)	92,161	4,007
Total Hardness as Ca++	25,200	0
Calcium, Ca++	20,720	1,036
Magnesium, Mg++	2,732	228
Barium, Ba++	0	0
Iron (Total) Fe+++*	36	2

ANIONS

Chlorides, Cl-	187,000	5,268
Sulfate, SO4-	130	3
Carbonate, CO3-	0	0
Bicarbonates, HCO3-	122	2
Sulfide, S-*	0	0
Total Dissolved Solids (Calc.)	302,901	

OTHER PROPERTIES

pH*	4.900
Specific Gravity, 60/60 F.	1.196
Turbidity	456

SCALING INDICIES

<u>TEMP, F.</u>	<u>CA CO3</u>	<u>CASO4*2H2O</u>	<u>CA SO4</u>	<u>BA SO4</u>
80	0.4091	-0.3845	-0.7834	-29.5361
120	1.0225	-0.3961	-0.6147	-29.6553
160	1.9469	-0.4032	-0.4490	-29.8546

PERFORATIONS

Endura Products Corp.

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WATER ANALYSIS

Date: 01/19/2000 Endura Rep.: Greg Archer

Sampling Point/Date: Wellhead /1-19-00

Company: POGO Producing Co.

Lease: Sterling Silver 33

Code: W19730

State: New Mexico

County: Eddy

Well: 4

DISSOLVED SOLIDS

<u>CATIONS</u>	mg/l	me/l
Sodium, Na+ (Calc.)	93,955	4,085
Total Hardness as Ca++	25,760	0
Calcium, Ca++	22,000	1,100
Magnesium, Mg++	2,293	191
Barium, Ba++	0	0
Iron (Total) Fe+++*	139	2

ANIONS

Chlorides, Cl-	191,000	5,380
Sulfate, SO4-	60	1
Carbonate, CO3-	0	0
Bicarbonates, HCO3-	98	2
Sulfide, S-*	0	0
Total Dissolved Solids (Calc.)	309,545	

OTHER PROPERTIES

pH*	5.100
Specific Gravity, 60/60 F.	1.194
Turbidity	651

SCALING INDICIES

<u>TEMP, F.</u>	<u>CA CO3</u>	<u>CASO4*2H2O</u>	<u>CA SO4</u>	<u>BA SO4</u>
80	0.6228	-0.6708	-1.0781	-29.5445
120	1.2508	-0.6823	-0.9092	-29.6596
160	2.1968	-0.6861	-0.7403	-29.8571

PERFORATIONS

Endura Products Corp.

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WATER ANALYSIS

Date: 01/19/2000 Endura Rep.: Greg Archer

Sampling Point/Date: Wellhead /1-19-00

Company: POGO Producing Co.

Lease: Sterling Silver 33

Code: W19729

State: New Mexico

County: Eddy

Well: 3

DISSOLVED SOLIDS

<u>CATIONS</u>	mg/l	me/l
Sodium, Na+ (Calc.)	89,355	3,885
Total Hardness as Ca++	27,040	0
Calcium, Ca++	22,537	1,127
Magnesium, Mg++	2,537	211
Barium, Ba++	0	0
Iron (Total) Fe+++*	54	2

ANIONS

Chlorides, Cl-	186,000	5,239
Sulfate, SO4-	110	2
Carbonate, CO3-	0	0
Bicarbonates, HCO3-	122	2
Sulfide, S-*	0	0
Total Dissolved Solids (Calc.)	301,058	

OTHER PROPERTIES

pH*	4.900
Specific Gravity, 60/60 F.	1.196
Turbidity	282

SCALING INDICIES

<u>TEMP. F.</u>	<u>CA CO3</u>	<u>CASO4*2H2O</u>	<u>CA SO4</u>	<u>BA SO4</u>
80	0.4635	-0.4136	-0.8131	-29.5381
120	1.0788	-0.4252	-0.6442	-29.6570
160	2.0061	-0.4319	-0.4782	-29.8563

PERFORATIONS

Endura Products Corp.
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WATER ANALYSIS

Date: 08/25/00 Endura Rep.: Greg Archer
Sampling Point/Date: Wellhead 08/18/00
Company: Pogo Producing Co.
Lease: Sterling Silver 33 Federal

Code: W-23885
State: New Mexico
County: Eddy
Well: 16

DISSOLVED SOLIDS

<u>CATIONS</u>	mg/l	me/l
Sodium, Na+ (Calc.)	111,366	4,842
Total Hardness as Ca++	10,000	0
Calcium, Ca++	8,400	420
Magnesium, Mg++	976	81
Barium, Ba++	0	0
Iron (Total) Fe+++*	53	3

ANIONS

Chlorides, Cl-	189,500	5,338
Sulfate, SO4-	175	4
Carbonate, CO3-	0	0
Bicarbonates, HCO3-	244	4
Sulfide, S-*	0	0
Total Dissolved Solids (Calc.)	310,714	

OTHER PROPERTIES

pH*	5.600
Specific Gravity, 60/60 F.	1.19
Turbidity	445

SCALING INDICIES

<u>TEMP, F.</u>	<u>CA CO3</u>	<u>CASO4*2H2O</u>	<u>CA SO4</u>	<u>BA SO4</u>
80	0.8237	-0.6640	-1.0486	-29.5095
120	1.4040	-0.6762	-0.8804	-29.6356
160	2.2799	-0.6863	-0.7179	-29.8383

PERFORATIONS

Endura Products Corp.

P.O. Box 3394 Midland, Texas 79702
Phone (915) 684-4233 * Fax (915) 684-4277

WATER ANALYSIS

Date 1-28-00	Endura Rep GREG ARCHER	Code W-19911
Sampling Point/Date WELLHEAD/1-27-00		State NEW MEXICO
Company POGO PRODUCING CO		County EDDY
Field	Lease STERLING SILVER 33 Well 15	

DISSOLVED SOLIDS

<u>CATIONS</u>	mg/l	me/l
Sodium, Na ⁺ (Calc.)	92,253	4,011
Total Hardness as Ca ⁺⁺	26,880	0
Calcium, Ca ⁺⁺	25,280	1,264
Magnesium, Mg ⁺⁺	976	81
Barium, Ba ⁺⁺	0	0
Iron (Total) Fe ⁺⁺⁺	44	2

ANIONS

Chlorides, Cl ⁻	190,000	5,352
Sulfate, SO ₄ ⁻	140	3
Carbonate, CO ₃ ⁻	0	0
Bicarbonate, HCO ₃ ⁻	196	3
Sulfide, S ⁻	0	0
Total Dissolved Solids (Calc.)	308,889	

OTHER PROPERTIES

pH ⁻	5.200
Specific Gravity, 60°/60 F	1.198
TURBIDITY	654

SCALING INDICIES

<u>TEMP, F</u>	<u>CA CO3</u>	<u>CASO4*2H2O</u>	<u>CA SO4</u>	<u>BA SO4</u>
80	1.0817	-0.2420	-0.6490	-29.5448
120	1.7097	-0.2521	-0.4787	-29.6602
160	2.6555	-0.2543	-0.3082	-29.8577

Endura Products Corp.

P.O. Box 3394 Midland, Texas 79702
Phone (915) 684-4233 * Fax (915) 684-4277

WATER ANALYSIS

Date 1-28-00 Endura Rep GREG ARCHER Code W-19909
Sampling Point/Date WELLHEAD/1-27-00 State NEW MEXICO
Company POGO PRODUCING CO County EDDY
Field Lease STERLING SILVER 33 Well 11

DISSOLVED SOLIDS

<u>CATIONS</u>	mg/l	me/l
Sodium, Na ⁺ (Calc.)	91,517	3,979
Total Hardness as Ca ⁺⁺	26,880	0
Calcium, Ca ⁺⁺	22,320	1,116
Magnesium, Mg ⁺⁺	2,780	232
Barium, Ba ⁺⁺	0	0
Iron (Total) Fe ⁺⁺⁺	59	3

ANIONS

Chlorides, Cl ⁻	189,000	5,324
Sulfate, SO ₄ ⁻	155	3
Carbonate, CO ₃ ⁻	0	0
Bicarbonate, HCO ₃ ⁻	171	3
Sulfide, S ⁻	0	0
Total Dissolved Solids (Calc.)	306,002	

OTHER PROPERTIES

pH ⁺	5.100
Specific Gravity, 60°/60 F	1.192
TURBIDITY	501

SCALING INDICIES

<u>TEMP, F</u>	<u>CA CO3</u>	<u>CASO4*2H2O</u>	<u>CA SO4</u>	<u>BA SO4</u>
80	0.8507	-0.2624	-0.6674	-29.5432
120	1.4754	-0.2734	-0.4980	-29.6595
160	2.4166	-0.2782	-0.3301	-29.8574

Endura Products Corp.

P.O. Box 3394 Midland, Texas 79702
Phone (915) 684-4233 * Fax (915) 684-4277

WATER ANALYSIS

Date 2-8-00 Endura Rep GREG ARCHER Code W-20171
Sampling Point/Date WELLHEAD/2-4-00 State NEW MEXICO
Company POGO PRODUCING CO County EDDY
Field Lease STERLING SILVER 33 FEDERAL Well 8

DISSOLVED SOLIDS

<u>CATIONS</u>	mg/l	me/l
Sodium, Na ⁺ (Calc.)	96,922	4,214
Total Hardness as Ca ⁺⁺	22,880	0
Calcium, Ca ⁺⁺	17,520	876
Magnesium, Mg ⁺⁺	3,268	272
Barium, Ba ⁺⁺	0	0
Iron (Total) Fe ⁺⁺⁺	41	2

ANIONS

Chlorides, Cl ⁻	190,000	5,352
Sulfate, SO ₄ ⁻	145	3
Carbonate, CO ₃ ⁻	0	0
Bicarbonate, HCO ₃ ⁻	561	9
Sulfide, S ⁻	0	0
Total Dissolved Solids (Calc.)	308,457	

OTHER PROPERTIES

pH ⁻	5.300
Specific Gravity, 60-/60 F	1.194
TURBIDITY	734

SCALING INDICIES

<u>TEMP, F</u>	<u>CA CO₃</u>	<u>CASO₄*2H₂O</u>	<u>CA SO₄</u>	<u>BA SO₄</u>
80	1.4175	-0.4015	-0.8036	-29.5372
120	2.0348	-0.4133	-0.6350	-29.6548
160	2.9649	-0.4198	-0.4688	-29.8534