



**POGO PRODUCING COMPANY**

**OVERNIGHT MAIL**

April 23, 1993

New Mexico Oil Conservation Division  
310 Old Santa Fe Trail  
Santa Fe, New Mexico 87504  
Attention: Mr. David R. Catanach

Re: Sand Dunes Prospect NM-555  
Eddy County, New Mexico  
Application for Administrative  
Approval to Inject Saltwater  
into the Sand Dunes "28" Federal  
No. 1 Well, located 1980' FSL &  
1980' FEL Section 28,  
T-23-S, R-31-E, N.M.P.M.

Gentlemen:

Pogo hereby respectfully submits two (2) original Applications for Authorization to Inject (Form C-108) pertaining to the captioned well and requests that same be given Administrative Approval.


Pursuant thereto, please find enclosed the following:

- (1) Copy of Notification Letter sent to all Offset Leasehold Operators within a one-half (1/2) mile radius of the proposed injection well and to the surface owner upon which such well is located, along with copies of proof of mailing; and
- (2) Proof of Legal Publication.

If you should have any questions regarding the subject Application, please contact the undersigned.

Very truly yours,

POGO PRODUCING COMPANY

  
Terry Gant  
Consulting Landman

TG:lf/c:SWD16

Enclosures

cc w/encl.: New Mexico Oil Conservation Division  
District I Office  
P. O. Box 1157  
Hobbs, New Mexico 88240

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage  
Application qualifies for administrative approval? ☒ yes ☐ no
- II. Operator: POGO PRODUCING COMPANY  
Address: P. O. Box 10340, Midland, Texas 79702  
Contact party: Richard L. Wright Phone: 915/682-6822
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☐ yes ☒ no  
If yes, give the Division order number authorizing the project \_\_\_\_\_.
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- \* VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
  2. Whether the system is open or closed;
  3. Proposed average and maximum injection pressure;
  4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
  5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- \*VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- \* X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- \* XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification
- I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- Name: Bill F. Halepeska Title: Agent (P. E.)  
Signature: Bill Halepeska Date: 4/15/93
- \* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.

## III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

## XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

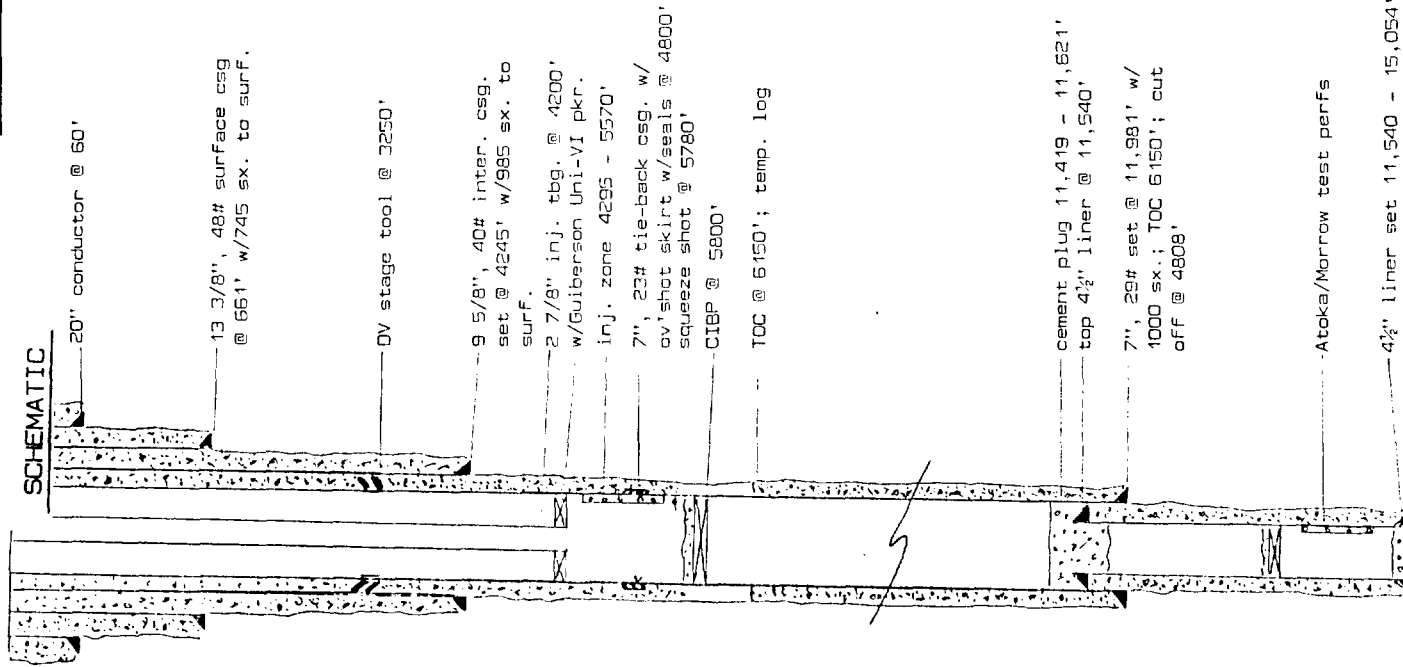
Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

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NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

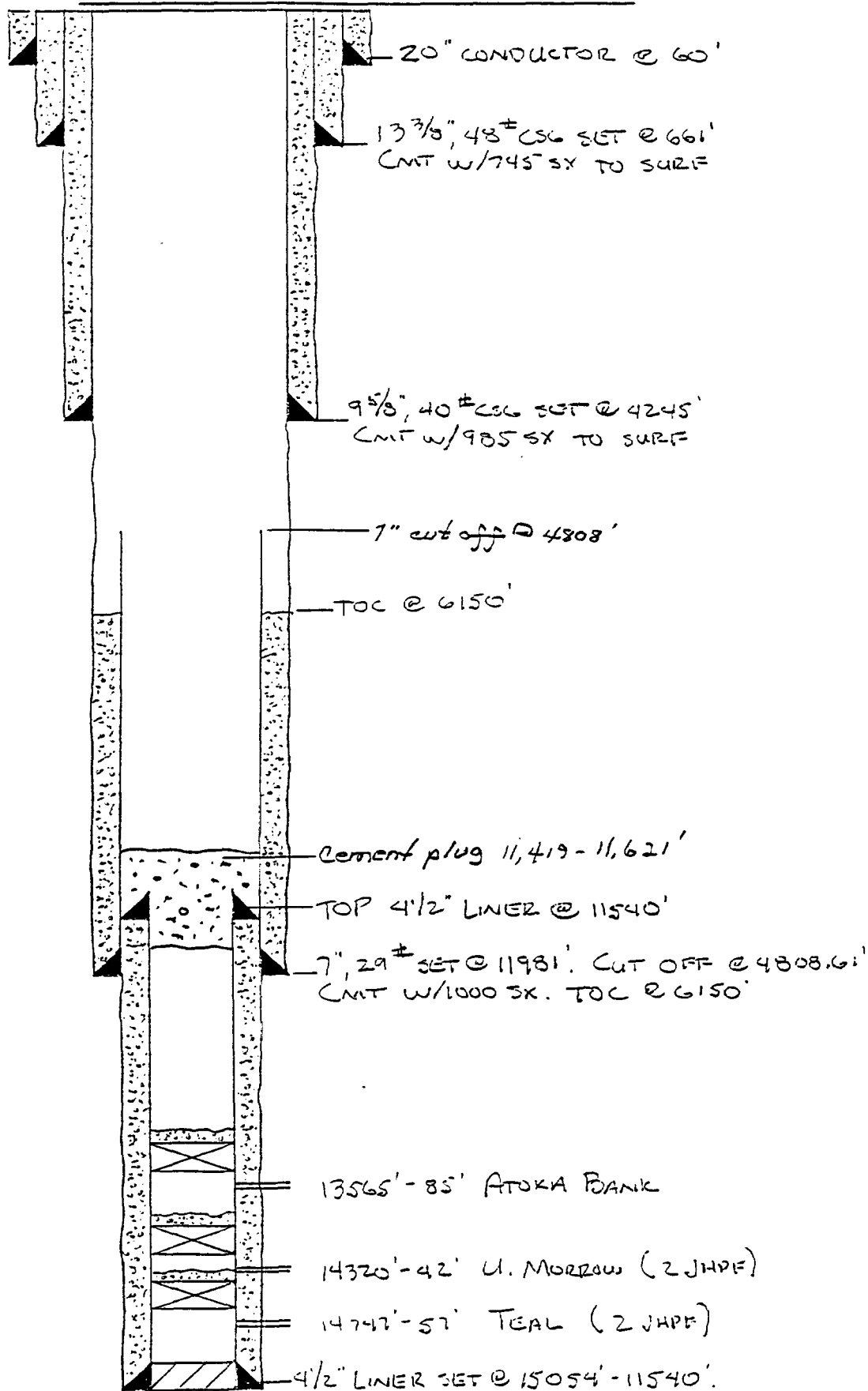
INJECTION WELL DATA SHEETSCHEMATICTABULAR DATA

- (1). LEASE: Sand Dunes Federal "28" WELL # 1  
 LOCATION: Sec. 28 TWP 23-S Range 31-E  
 County Eddy  
 Footage 1980' FSL, 1980' FEL
- (2). CASING STRINGS:  
 Surface Casing  
 Size 13 3/8 Depth 661' Cemented w/ 745 sx.  
 TOC surf. Determined by circulation  
 Hole size 17 1/2"  
 Intermediate Casing  
 Size 9 5/8" Depth 4245' Cemented w/ 985 sx.  
 TOC surf. Determined by circulated  
 Hole size 12 1/2"  
 Long String  
 Size 7" Depth \*5500' Cemented w/ 1100 sx.  
 TOC surf. Determined by circulate  
 Hole size 8.8" to 4245', 8 1/4" 4245' to 5500'  
 Injection interval, from 4295' to 5570 ft.
- (3). INJECTION TUBING STRING:  
 Size 2 7/8 in., seated/lined with PVC  
 Setting depth 4200 ft.
- (4) INJECTION PACKER:  
 Size 7 in.; Make/Model Guierson Uni-VI  
 Setting depth 4200 ft.  
 \* Cemented from squeeze holes @ 5780' to surface  
 Diagram of plugged hole, next page

FORM C-108

ITEM III-A(2)

SAND DUNES FEDERAL "28" #1  
DIAGRAM OF WELLBORE AFTER OO TO TOP OF 7"

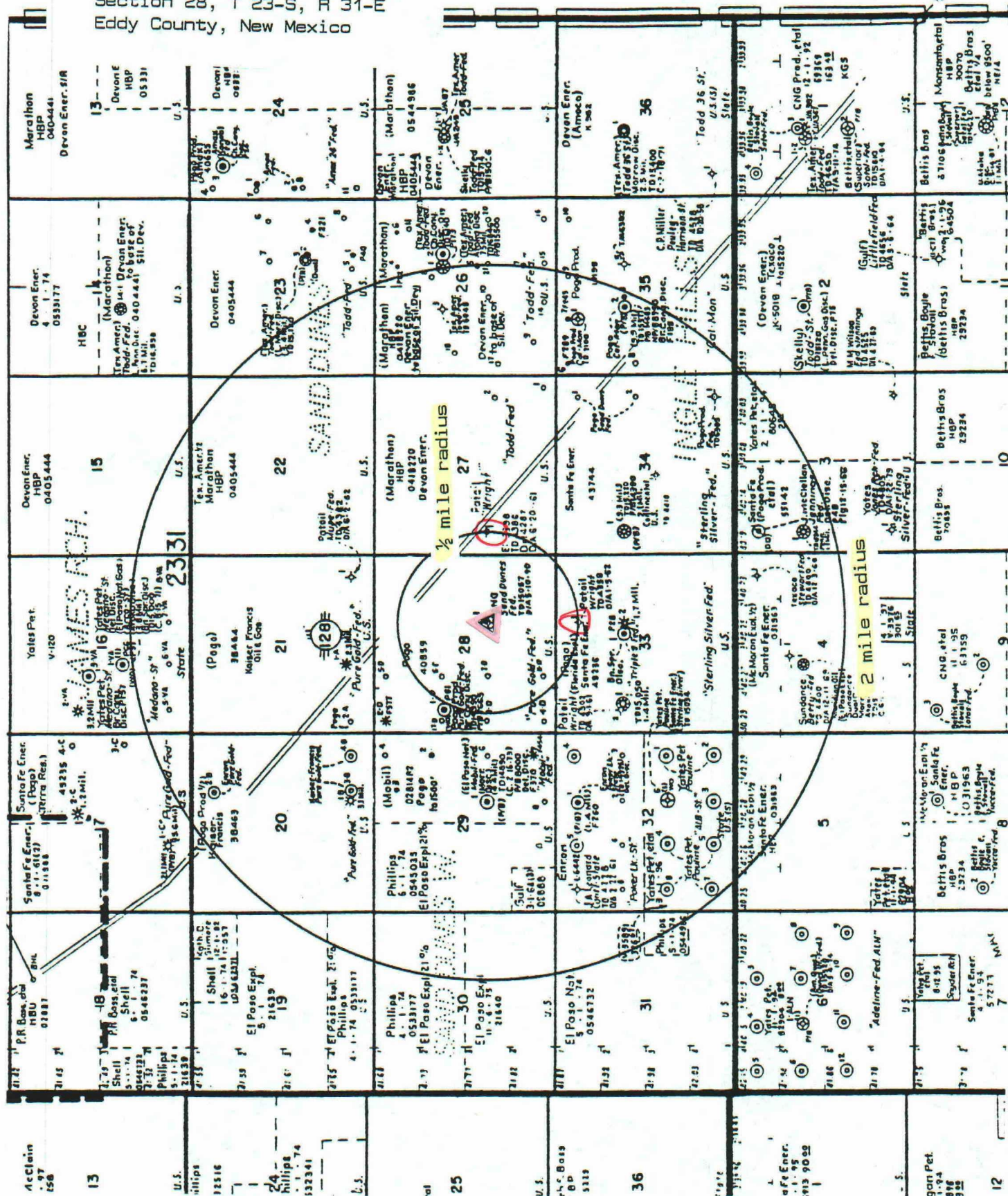


ITEM 111-B

INJECTION WELL DATA

- (1). Injection Formation: Bell Canyon and Up. Cherry Canyon (Delaware).  
Field/Pool: Sand Dunes
- (2). Injection interval; from 4295 Ft. to 5570 Ft.  
Perforated XX Open Hole \_\_\_\_\_
- (3). Original purpose well drilled -- Atoka/Morrow test
- (4). Other perforated intervals; XX Yes \_\_\_\_\_ No Depth 13,565 - 14,757'  
Squeezed with \_\_\_\_\_ sx., or isolated by CIBP @ 13,500', cmt.  
plug 11,419 - 11,621' and CIBP @ 5800 with cement cap
- (5). Oil or gas productive zone(s):  
Next higher: none  
Next lower: Delaware (Brushy Canyon) at 7550'





ITEM V1

WELL DATA - AREA OF REVIEW

(1). Location: 660' FWL, 1980' F91, Sec. 27, T 23-S, R 31-E, Eddy Co.  
Operator: Patoil Corp. Lease: Wright Fed. "27" Well # 1  
Well type: Oil        Gas        DSA XX Total depth 4386 ft.  
Date drilled: 6/22/61  
Completion Data: 7" @ 379' w/150 sx.; crd. 4292 - 4347',  
rec. 55' shale, sdy sh and shly sd, SS0 in 1' sd stringers

Plugged XX Date: 6/22/61 (Schematic attached)

(2). Location: 660' FNL, 1980' FEL, Sec. 33, T 23-S, R 31-E, Eddy Co.  
Operator: Patoil Corp. Lease: Wright Fed. "33" Well # 3  
Well Type: Oil        Gas        DSA XX Total Depth: 4358 ft.  
Date Drilled: 1/5/62  
Completion Data: 7" @ 800' w/250 sx., crd. 4303 - 58', rec.  
55' sdy sh and shly sd.

Plugged XX Date 1/5/62 (Schematic attached)

(3). Location: \_\_\_\_\_  
Operator: \_\_\_\_\_ Lease: \_\_\_\_\_ Well # \_\_\_\_\_  
Well Type ; Oil \_\_\_\_\_ Gas \_\_\_\_\_ DSA \_\_\_\_\_ Total Depth: \_\_\_\_\_ ft.  
Date Drilled: \_\_\_\_\_  
Completion Data: \_\_\_\_\_

Plugged \_\_\_\_\_ Date \_\_\_\_\_ (Schematic attached)



FORM C-108, ITEM VI(1)

POGO PRODUCING COMPANY

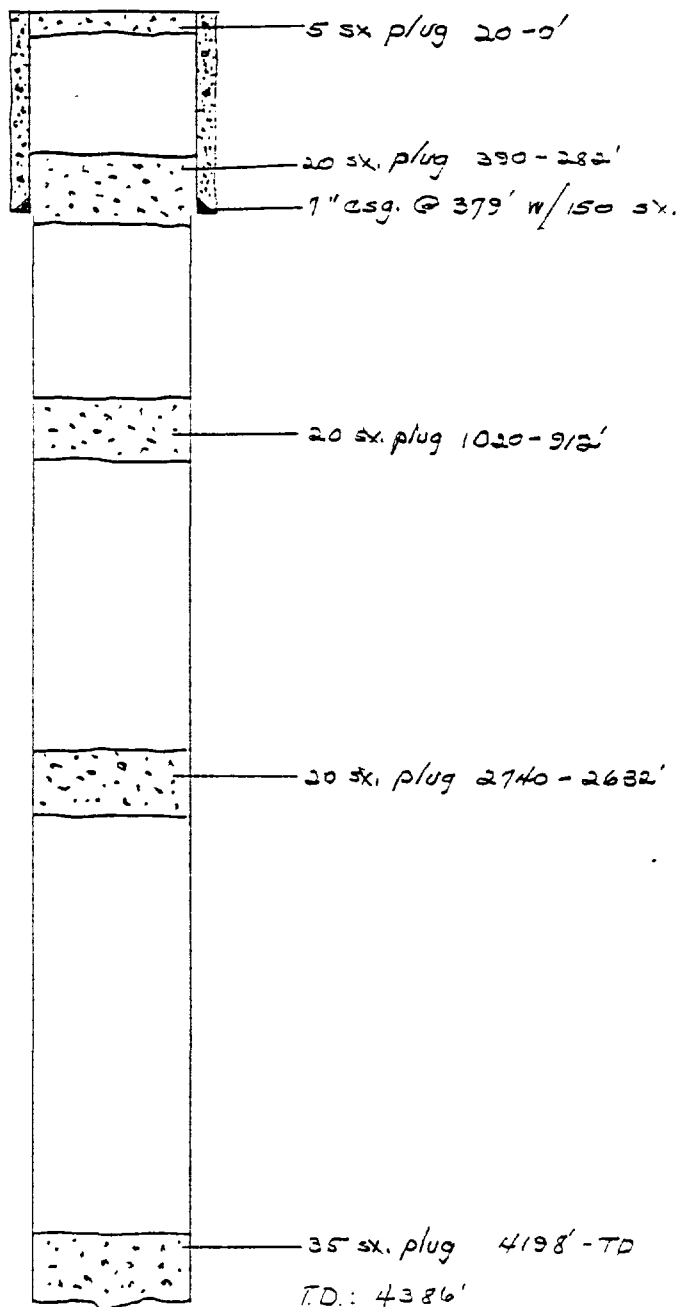
SAND DUNES FEDERAL "28" #1

Sec. 28, T 23-S, 31-E

Eddy County, New Mexico

SCHEMATIC  
PLUGGING DATA

Patoil - Wright Federal "27" #1



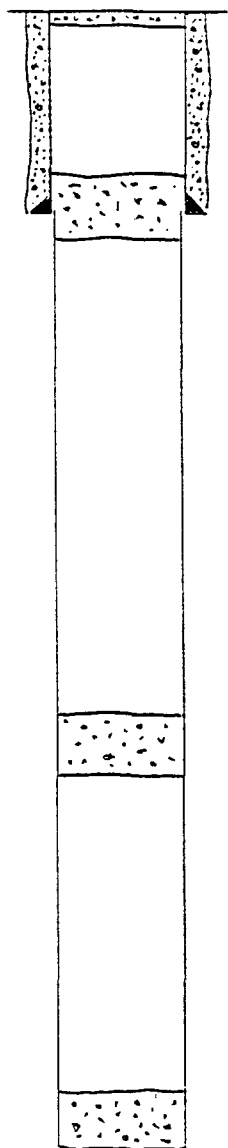
FORM C-108, ITEM VI(2)

POGO PRODUCING COMPANY  
SAND DUNES FEDERAL "28" #1  
Sec. 28, T 23-S, R 31-E  
Eddy County, New Mexico

SCHEMATIC

PLUGGING DATA

Patoil - Wright Federal "33" #3



4 sk. surf - 20'

7" csg. @ 800' w/ 250 sk.  
20 sk. plug 850-750'

19 sk. plug 2760-2660'

22 sk. plug 4240-TD  
TD: 4358'

ITEM VII

OPERATIONAL DATA

- (1). Average expected injection rate: 750 BWPD; maximum anticipated rate: 3000 BWPD
- (2). Closed system
- (3). Estimated average injection pressure: 500 psi.  
Estimated maximum pressure: 859 psi.
- (4). Source of injection water: Delaware produced water from  
nearby Pogo wells  
  
Analysis of waters attached., EXHIBIT 1
- (5). Analysis of injection zone water attached. EXHIBIT 2  
Data source: Corbin Delaware; 31 - 17-- 33; Roswell Geological  
Symposium

ITEM VIII

GEOLOGICAL DATA

## INJECTION ZONE

Lithological description: sandstone, lt tan - lt gray,  
fg to vfg, unconsol./unconsol, friable, sm sl lmy

Geological name: Bell Canyon and Up. Cherry Canyon (Delaware)

Zone thickness: 1275 Ft.; Depth: 5570 Ft. Base

## FRESH WATER SOURCES

Geological name: Santa Rosa

Depth to bottom of zone: 650~ ft.

ITEM IX

STIMULATION PROGRAM (Proposed)

## ACIDIZE:

Volume: 3000 Type acid: 15% HCl / Pentol 100

Rate: 5 BPM; Misc. Ball Sealers to divert

## FRACTURE:

Fluid volume: 30,000 gal.; Type: Gelled water

Prop type: 20/40 sand Volume (#): 15,000

Rate: 18 BPM; Conductor: 2 7/8 in.

Misc. stage w/Ball Sealers

# LOGGING PROGRAM

Copy of GR/CD/CNog included in attachments

## FRESH WATER ANALYSIS

Date sampled: \_\_\_\_\_

## HYDROLOGY

Engineering data and area well logs reveal no evidence that hydrologic connection might exist between the intended injection zone (Bell Canyon) at 4295' and probable fresh water zone (Santa Rosa) above 650'.

COMMERCIAL INTENT

Initially, only water from Pogo operated wells will be disposed of in subject well (system). Eventually, Pogo could take water from other leases in the area operated by someone else, but in which Pogo has a Working Interest. It is intended that all water will be piped.

## ANALYSIS - INJECTION FLUID

POGO PRODUCING COMPANY  
SAND DUNES FEDERAL "28" #1  
Section 28, T 23-S, R 31-E  
Eddy County, New Mexico

ary Services  
Tasker Drive  
w Mexico 88240  
1 397-3713

RECEIVED

SEP 21 1992

MIDLAND

WATER ANALYSIS

COMPANY Pogo Producing Co.

SAMPLE CAL MON #7

SAMPLED BY Rolland Perry

DATE TAKEN 9/15/92

REMARKS BRUSHY CANYON FORMATION (LOWER DELAWARE)

Sodium	50
Nitrate	22.44
Barium as Ba	0
Carbonate alkalinity PPM	0
Bicarbonate alkilinity PPM	82
pH At Lab	5.62
Specific Gravity @ 60 F	1.160
Magnesium as Mg	24.418
Total Hardness as CaCO3	42.100
Clorides as CL	145.436
Sulfate as SO4	475
Iron as Fe	45.5
Potassium	25.63
Hydrogen Sulfide	0
Resistivity Ohms	0.2288
Total Disolved Solids	215.250
Carbonate as CO3 G/L	7.45
Calcium as CA	17.682

Results reported as Parts Per Million Unless Stated.

Langelier Saturation Index + 0.12

Analysis By Rolland Perry

Date: 9/15/92

## EXHIBIT 2

FORM C-108, ITEM VII(5)

ANALYSIS - INJECTION ZONE WATER

POGO PRODUCING COMPANY  
 SAND DUNES FEDERAL "28" #1  
 Section 28, T 23-S, R 31-E  
 Eddy County, New Mexico

d Name: Corbin Delaware

 Location: NE  $\frac{1}{4}$  Sec. 31, T.17 S., R. 33 E.

County &amp; State: Lea Co., N. Mex.

COMPLETION DATE: March 31, 1960

TYPICAL CORE ANALYSIS OF A PAY INTERVAL IN THIS FIELD: No cores taken

Perm. in millidarcys		% Porosity	Liquid Saturation (% of pore space)	
Horizontal	Vertical		Water	Oil

OTHER SHOWS ENCOUNTERED IN THIS FIELD: None

TRAP TYPE: Stratigraphic, sand pinchout

NATURE OF OIL: 37.8° gravity, sweet

NATURE OF GAS: sweet

NATURE OF PRODUCING ZONE WATER: Salt

Resistivity:

ohm-meters @

°F.

	Total Solids	Na+K	Ca	Mg	Fe	SO <sub>4</sub>	Cl	CO <sub>3</sub>	HCO <sub>3</sub>	OH	H <sub>2</sub> S
ppm		47,700	6160	2060	100	1500	89,400		160		neg

INITIAL FIELD PRESSURE: Unknown

TYPE OF DRIVE: Unknown

NORMAL COMPLETION PRACTICES: Set through, perforate &amp; sand frac.

## PRODUCTION DATA:

Year	Type	No. of wells @ yr. and		Production	
		Producing	Shut in or Abnd.	Oil in barrels Gas in MMC <sup>3</sup>	
				Annual	Cumulative
1956	oil				
	gas				
1957	oil				
	gas				
1958	oil				
	gas				
1959	oil				
	gas				
1960*	oil	0	1 ***	631.3	631.3
	gas				

\* 1960 Figure is production to July 1, 1960.

\*\*\* well shut in on April 19, 1960.



EXHIBIT 3

FORM C-108, ITEM XI

ANALYSIS - SANTA ROSA WATER

POGO PRODUCING COMPANY  
SAND DUNES FEDERAL "28" #1  
Section 28, T 23-S, R 31-E  
Eddy County, New Mexico

Chemical and radiochemical analyses of water from test hole H-5

Water produced from the Santa Rosa Sandstone, sample taken 5/24/78

Alkalinity Field (mg/l as HCO <sub>3</sub> )	200
Bicarbonate FET-FLD (mg/l as HCO <sub>3</sub> )	240
Nitrogen, NO <sub>2</sub> + NO <sub>3</sub> Dissolved (mg/l as N)	0.36
Hardness (mg/l as CaCO <sub>3</sub> )	150
Hardness, noncarbonate(mg/l as CaCO <sub>3</sub> )	150
Calcium Dissolved (mg/l as Ca)	56
Magnesium, Dissolved (mg/l as Mg)	51
Sodium, Dissolved (mg/l as Na)	280
Potassium, Dissolved (mg/l as K)	25
Chloride, Dissolved (mg/s as Cl)	120
Sulfate, Dissolved (mg/l as SO <sub>4</sub> )	530
Fluoride, Dissolved (mg/l as F)	1.2
Silica, Dissolved (mg/l as SiO <sub>2</sub> )	11.0
Boron, Dissolved (ug/l as B)	890
Solids Residue at 105 Deg C, Dissolved (mg/l)	1200



**POGO PRODUCING COMPANY**

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

April 16, 1993

To: Offset Leasehold Operators and  
Surface Owner  
(See Attached List)

Re: Sand Dunes Prospect NM-555  
Eddy County, New Mexico  
Application for Administrative  
Approval to Inject Saltwater  
into the Sand Dunes "28" Federal  
No. 1 Well, located 1980' FSL &  
1980' FEL Section 28, T-23-S, R-31-E

Gentlemen:

Pogo Producing Company has applied to the New Mexico Oil Conservation Division for Administrative Approval to inject saltwater into the captioned well.

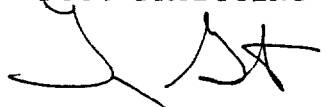
A copy of the Form C-108 submitted by Pogo to the Division is enclosed.

If you object to and/or request that a hearing be held pertaining to this Application, you must notify the Division within fifteen (15) days from the date of Pogo's Application.

If you have any questions, please contact the undersigned or Mr. Richard L. Wright.

Very truly yours,

POGO PRODUCING COMPANY

  
Terry Gant  
Consulting Landman

TG:lf/c:SWD11

✓ Enclosure

✓ cc: New Mexico Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87504-2088  
Attention: Mr. David R. Catanach

Attached to Notification Letter dated April 16, 1993  
regarding Pogo's Application for Administrative Approval  
to Inject Saltwater into the Sand Dunes "28" Federal No. 1 Well

Bureau of Land Management  
P. O. Box 1449  
Santa Fe, New Mexico 87504

Devon Energy Corporation  
1500 Mid-America Tower  
Oklahoma City, Oklahoma 73102  
Attention: Mr. Steve Cromwell

Santa Fe Energy Operating Partners, L.P.  
550 West Texas, Suite 1330  
Midland, Texas 79701  
Attention: Mr. Gary Green

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address

2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
*Wesley Energy Corporation*  
*1500 Mid-America Tower*  
*OKlahoma City, OK*  
*73102*  
*Attn: Steve Cromwell*

4a. Article Number  
*P 085 629 220*

4b. Service Type  
☒ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery  
*4/21/93*

5. Signature (Addressee)  
*[Signature]*

6. Signature (Agent)  
*[Signature]*

8. Addressee's Address (Only if requested and fee is paid)  
*Fed. 28" No. 1*  
*SD NM-555*

PS Form 3811, December 1991 ☆ U.S.G.P.O.: 1992-307-530 **DOMESTIC RETURN RECEIPT**

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address

2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
*Bureau of Land Manage-*  
*ment*  
*P.O. Box 1449*  
*Santa Fe, NM*  
*87504*

4a. Article Number  
*P 085 629 220*

4b. Service Type  
☒ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery  
*APR 21 1993*

5. Signature (Addressee)  
*[Signature]*

6. Signature (Agent)  
*[Signature]*

8. Addressee's Address (Only if requested and fee is paid)  
*Fed. 28" No. 1*  
*SD-NM-555*

PS Form 3811, December 1991 ☆ U.S.G.P.O.: 1992-307-530 **DOMESTIC RETURN RECEIPT**

Thank you for using Return Receipt Service.

ALSO SENT VIA FAX  
 4/23/93  
 4:30 p.m.

P 085 629 220

**Receipt for Certified Mail**

No Insurance Coverage Provided  
 Do not use for International Mail  
 (See Reverse)

Sent to *Santa Fe Energy*  
*Operating Partners*

Street and No.  
*550 W. Texas, Ste*

P.O. State and ZIP Code  
*76130*

Postage  
*Richland, TX*  
*\$ 7.70*

Certified Fee

Special Delivery Fee

Restricted Delivery Fee

Return Receipt Showing to Whom & Date Delivered

Return Receipt Showing to Whom, Date, and Addressee's Address

TOTAL Postage & Fees  
*\$*

Postmark or Date  
*4-12-93*

PS Form 3800, June 1991

# Affidavit of Publication

State of New Mexico,  
County of Eddy, ss.

E. C. Cantwell, being first duly sworn,  
on oath says:

That he is publisher of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the state wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

APRIL 21 \_\_\_\_\_, 19 93  
\_\_\_\_\_, 19 \_\_\_\_  
\_\_\_\_\_, 19 \_\_\_\_  
\_\_\_\_\_, 19 \_\_\_\_

that the cost of publication is \$ 25.08 ,  
and that payment thereof has been made  
and will be assessed as court costs.

E C Cantwell

Subscribed and sworn to before me this  
21 day of APRIL, 19 93  
Rinda & Martin  
My commission expires 7/22/96  
Notary Public

April 21, 1993

## PUBLIC NOTICE

### APPLICATION FOR AUTHORIZATION TO INJECT SALTWATER

Pogo Producing Company,  
P.O. Box 10340, Midland,  
Texas 79702-7340 (Contact -  
Richard L. Wright at 915/682-  
6822) has applied to the New  
Mexico Oil Conservation Divi-  
sion for Administrative Ap-  
proval for Authorization to in-  
ject saltwater into its Sand  
Dunes "28" No. 1 Well, lo-  
cated 1980' FSL and 1980'  
FEL of Section 28, T-23-E, R-  
31-E, N.M.P.M., Eddy County,  
New Mexico. The purpose of  
such well will be to dispose of  
saltwater produced from  
Pogo's nearby wells. The in-  
jection interval will be in the  
Bell Canyon and Upper  
Cherry Canyon formations be-  
tween 4,295'-5,570' beneath  
the surface with an expected  
maximum injection rate of ap-  
proximately 3,000 BOWPD  
with an expected maximum in-  
jection pressure of approxi-  
mately 850 psi. Any interested  
parties must file objections or  
requests for a hearing with the  
New Mexico Oil Conservation  
Division, P.O. Box 2088,  
Santa Fe, New Mexico  
87504-2088 within fifteen (15)  
days from the date of Pogo's  
Application.



**POGO PRODUCING COMPANY**

CONSULTING DIVISION  
P.O. BOX 1157  
HOBBS, NM 88240

April 30, 1993

New Mexico Oil Conservation Division  
310 Old Santa Fe Trail  
Santa Fe, New Mexico 87504  
Attention: Mr. David R. Catanach

128 P.S. - JUN 9 13

Re: Sand Dunes Prospect NM-555  
Eddy County, New Mexico  
Application for Administrative  
Approval to Inject Saltwater  
into the Sand Dunes "28" Federal  
No. 1 Well, located 1980' FSL &  
1980' FEL Section 28,  
T-23-S, R-31-E, N.M.P.M.

Gentlemen:

Reference is made to Pogo's cover letter dated April 23, 1993 with attachments thereto regarding Pogo's Application for Authorization to Inject (Form C-108) pertaining to the captioned well and request that same be given Administrative Approval.

Please find enclosed herewith another copy of the Notification letter sent to all offset leasehold operators and to the surface owner, which now includes a copy of Santa Fe Operating Partners, L.P.'s return receipt as to its second mailing of the subject letter. Note that under Pogo's April 23, 1993 cover letter, proof of mailing to Santa Fe was shown by an unexecuted receipt of the first mailing, along with Pogo's statement that same was telecopied.

If you should have any questions, please contact the undersigned.

Very truly yours,

POGO PRODUCING COMPANY

Terry Gant  
Consulting Landman

TG:lf/c:SWD18

Enclosures

cc w/encl.: New Mexico Oil Conservation Division  
District I Office  
P. O. Box 1157  
Hobbs, New Mexico 88240



**POGO PRODUCING COMPANY**

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

April 16, 1993

To: Offset Leasehold Operators and  
Surface Owner  
(See Attached List)

Re: Sand Dunes Prospect NM-555  
Eddy County, New Mexico  
Application for Administrative  
Approval to Inject Saltwater  
into the Sand Dunes "28" Federal  
No. 1 Well, located 1980' FSL &  
1980' FEL Section 28, T-23-S, R-31-E

Gentlemen:

Pogo Producing Company has applied to the New Mexico Oil Conservation Division for Administrative Approval to inject saltwater into the captioned well.


A copy of the Form C-108 submitted by Pogo to the Division is enclosed.

If you object to and/or request that a hearing be held pertaining to this Application, you must notify the Division within fifteen (15) days from the date of Pogo's Application.

If you have any questions, please contact the undersigned or Mr. Richard L. Wright.

Very truly yours,

POGO PRODUCING COMPANY

  
Terry Gant  
Consulting Landman

TG:lf/c:SWD11

Enclosure

cc: New Mexico Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87504-2088  
Attention: Mr. David R. Catanach



Attached to Notification Letter dated April 16, 1993  
regarding Pogo's Application for Administrative Approval  
to Inject Saltwater into the Sand Dunes "28" Federal No. 1 Well

Bureau of Land Management  
P. O. Box 1449  
Santa Fe, New Mexico 87504

Devon Energy Corporation  
1500 Mid-America Tower  
Oklahoma City, Oklahoma 73102  
Attention: Mr. Steve Cromwell

Santa Fe Energy Operating Partners, L.P.  
550 West Texas, Suite 1330  
Midland, Texas 79701  
Attention: Mr. Gary Green

Is your RETURN ADDRESS completed on the reverse side?

PS Form 3811, December 1991 ☆ U.S.G.P.O. : 1992-307-530

DOMESTIC RETURN RECEIPT

<p><b>SENDER:</b></p> <ul style="list-style-type: none"> <li>• Complete items 1 and/or 2 for additional services.</li> <li>• Complete items 3, and 4a &amp; b.</li> <li>• Print your name and address on the reverse of this form so that we can return this card to you.</li> <li>• Attach this form to the front of the mailpiece, or on the back if space does not permit.</li> <li>• Write "Return Receipt Requested" on the mailpiece below the article number.</li> <li>• The Return Receipt will show to whom the article was delivered and the date delivered.</li> </ul>		<p>I also wish to receive the following services (for an extra fee):</p> <p>1. <input type="checkbox"/> Addressee's Address</p> <p>2. <input type="checkbox"/> Restricted Delivery</p> <p>3. <input type="checkbox"/> Return Receipt for Merchandise</p>	
<p>3. Article Addressed to:</p> <p>Bureau of Land Management Post Box 1449 Santa Fe, NM 87504</p>		<p>4a. Article Number</p> <p>P 085 629 222</p>	
<p>5. Signature (Addressee)</p>		<p>4b. Service Type</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Insured</p> <p><input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD</p> <p><input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise</p>	
<p>6. Signature (Agent)</p> <p>Stonley - 508</p>		<p>7. Date of Delivery</p> <p>APR 21 1993</p>	
<p>8. Addressee's Address (Only if requested and fee is paid)</p> <p>PO Box 1449 Santa Fe, NM 87504</p>		<p>9. Date of Delivery</p> <p>APR 21 1993</p>	

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

PS Form 3811, December 1991 ☆ U.S.G.P.O. : 1992-307-530

DOMESTIC RETURN RECEIPT

<p><b>SENDER:</b></p> <ul style="list-style-type: none"> <li>• Complete items 1 and/or 2 for additional services.</li> <li>• Complete items 3, and 4a &amp; b.</li> <li>• Print your name and address on the reverse of this form so that we can return this card to you.</li> <li>• Attach this form to the front of the mailpiece, or on the back if space does not permit.</li> <li>• Write "Return Receipt Requested" on the mailpiece below the article number.</li> <li>• The Return Receipt will show to whom the article was delivered and the date delivered.</li> </ul>		<p>I also wish to receive the following services (for an extra fee):</p> <p>1. <input type="checkbox"/> Addressee's Address</p> <p>2. <input type="checkbox"/> Restricted Delivery</p> <p>3. <input type="checkbox"/> Return Receipt for Merchandise</p>	
<p>3. Article Addressed to:</p> <p>Quon Sang Corporation 1500 Mid-America Tower Oklahoma City, OK 73102</p>		<p>4a. Article Number</p> <p>P 085 629 222</p>	
<p>5. Signature (Addressee)</p> <p>Attn: Steve Cromwell</p>		<p>4b. Service Type</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Insured</p> <p><input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD</p> <p><input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise</p>	
<p>6. Signature (Agent)</p> <p>Stonley - 508</p>		<p>7. Date of Delivery</p> <p>APR 21 1993</p>	
<p>8. Addressee's Address (Only if requested and fee is paid)</p> <p>1500 Mid-America Tower Oklahoma City, OK 73102</p>		<p>9. Date of Delivery</p> <p>APR 21 1993</p>	

Thank you for using Return Receipt Service.

P 085 629 222



## Receipt for Certified Mail

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Sent to	
BLM	
Street and No.	
P.O. Box 1449	
P.O. State and ZIP Code	
Santa Fe, NM	
Postage	\$ 87504
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	
4-12-93	

PS Form 3800, June 1991

P 085 629 221



## Receipt for Certified Mail

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Sent to	
Quon Sang Corp	
Attn: Steve Cromwell	
Street and No.	
1500 Mid-America Tower	
P.O. State and ZIP Code	
Oklahoma City, OK	
Postage	OK 73102
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	
4-12-93	

PS Form 3800, June 1991

P 322 183 577



# Receipt for Certified Mail

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Sent to <i>Santa Fe Energy Op.</i>	
Street and No. <i>550 W. Texas, Ste 1330</i>	
P.O. State and ZIP Code <i>Midland, TX 79701</i>	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date <i>4-27-93</i>	

PS Form 3800, June 1991

P 085 629 220



# Receipt for Certified Mail

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Sent to <i>Santa Fe Energy Operating Partners</i>	
Street and No. <i>550 W. Texas, Ste 1330</i>	
P.O. State and ZIP Code <i>Midland, TX 79701</i>	
Postage	\$ <i>7.970</i>
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date <i>4-12-93</i>	

PS Form 3800, June 1991

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
  - ☐ Restricted Delivery
- Consult postmaster for fee.

**3. Article Addressed to:**

*Santa Fe Energy Operating Partners, L.P.  
550 W. Texas, Ste 1330  
Midland, TX 79701  
Attn: Barry Greer*

**4a. Article Number**

*P 322 183 577*

**4b. Service Type**

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Registered | <input type="checkbox"/> Insured                        |
| <input checked="" type="checkbox"/> Certified  | <input type="checkbox"/> COD                            |
| <input type="checkbox"/> Express Mail          | <input type="checkbox"/> Return Receipt for Merchandise |

**7. Date of Delivery**

*4-28-93*

**6. Signature (Addressee)**

*[Signature]*

**6. Signature (Agent)**

*[Signature]*

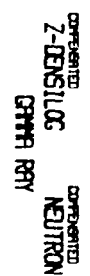
**8. Addressee's Address (Only if requested and fee is paid)**

*Ind. Dues "28"  
Federal No. 1*

PS Form 3811, December 1991 ★ U.S.G.P.O. : 1992-307-530

**DOMESTIC RETURN RECEIPT**

Thank you for using Return Receipt Service.



I. NO.		COMPANY		DC PRODUING INC.	
NO.		WELL		SNO DMS FIDRL 28 NO. 1	
		FIELD		PDR LNE	
		COUNTY		EDW	
		LOCATION:		STATE MEXICO	
		1988 PZ. 1 1988 FL		OTHER SERVICES DLA/M/LCR	
SECTION DRUM		DRUM LEVEL		ELEVATIONS	
ZONING MARKED FROM		K.6 28.5		NO 2771.8	
ZONING MARKED FROM		12.12 MISHING		OF 2770.8	
				1988 PZ. 1	
		22 NOVEMBER, 1985		12 NOVEMBER, 1985	
W. 1	W. 2	W. 3	W. 4	W. 5	W. 6
W. 7	W. 8	W. 9	W. 10	W. 11	W. 12
W. 13	W. 14	W. 15	W. 16	W. 17	W. 18
W. 19	W. 20	W. 21	W. 22	W. 23	W. 24
W. 25	W. 26	W. 27	W. 28	W. 29	W. 30
W. 31	W. 32	W. 33	W. 34	W. 35	W. 36
W. 37	W. 38	W. 39	W. 40	W. 41	W. 42
W. 43	W. 44	W. 45	W. 46	W. 47	W. 48
W. 49	W. 50	W. 51	W. 52	W. 53	W. 54
W. 55	W. 56	W. 57	W. 58	W. 59	W. 60
W. 61	W. 62	W. 63	W. 64	W. 65	W. 66
W. 67	W. 68	W. 69	W. 70	W. 71	W. 72
W. 73	W. 74	W. 75	W. 76	W. 77	W. 78
W. 79	W. 80	W. 81	W. 82	W. 83	W. 84
W. 85	W. 86	W. 87	W. 88	W. 89	W. 90
W. 91	W. 92	W. 93	W. 94	W. 95	W. 96
W. 97	W. 98	W. 99	W. 100	W. 101	W. 102
W. 103	W. 104	W. 105	W. 106	W. 107	W. 108
W. 109	W. 110	W. 111	W. 112	W. 113	W. 114
W. 115	W. 116	W. 117	W. 118	W. 119	W. 120
W. 121	W. 122	W. 123	W. 124	W. 125	W. 126
W. 127	W. 128	W. 129	W. 130	W. 131	W. 132
W. 133	W. 134	W. 135	W. 136	W. 137	W. 138
W. 139	W. 140	W. 141	W. 142	W. 143	W. 144
W. 145	W. 146	W. 147	W. 148	W. 149	W. 150
W. 151	W. 152	W. 153	W. 154	W. 155	W. 156
W. 157	W. 158	W. 159	W. 160	W. 161	W. 162
W. 163	W. 164	W. 165	W. 166	W. 167	W. 168
W. 169	W. 170	W. 171	W. 172	W. 173	W. 174
W. 175	W. 176	W. 177	W. 178	W. 179	W. 180
W. 181	W. 182	W. 183	W. 184	W. 185	W. 186
W. 187	W. 188	W. 189	W. 190	W. 191	W. 192
W. 193	W. 194	W. 195	W. 196	W. 197	W. 198
W. 199	W. 200	W. 201	W. 202	W. 203	W. 204
W. 205	W. 206	W. 207	W. 208	W. 209	W. 210
W. 211	W. 212	W. 213	W. 214	W. 215	W. 216
W. 217	W. 218	W. 219	W. 220	W. 221	W. 222
W. 223	W. 224	W. 225	W. 226	W. 227	W. 228
W. 229	W. 230	W. 231	W. 232	W. 233	W. 234
W. 235	W. 236	W. 237	W. 238	W. 239	W. 240
W. 241	W. 242	W. 243	W. 244	W. 245	W. 246
W. 247	W. 248	W. 249	W. 250	W. 251	W. 252
W. 253	W. 254	W. 255	W. 256	W. 257	W. 258
W. 259	W. 260	W. 261	W. 262	W. 263	W. 264
W. 265	W. 266	W. 267	W. 268	W. 269	W. 270
W. 271	W. 272	W. 273	W. 274	W. 275	W. 276
W. 277	W. 278	W. 279	W. 280		

