UNITED STATES Production of the intervent of Department of the Depar	In (103) DEPARTNENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT 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 Producting Company Producting Company Producting Company Producting Company Address Address Producting Company Producting			M. OIL CONS. COMMISSIONA H	
SUNDRY NOTICES AND REPORTS ON WELLS In the set of the deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT "for such proposals SUBMIT IN TRIPLICATE Type di Weil Type di Weil One of the terminal statute or file terminal Weil Carlos Company Submit Tin TRIPLICATE Type di Weil One of the terminal statute or file terminal Pogo Producting Company Submit Tin TRIPLICATE Type di Weil One of the termina statute or file terminal Pogo Producting Company Submit Tin TRIPLICATE Type di Weil One of the termina statute of terminal statute of termina statute of terminal statute of termina statute of terminal statute of terminal st	SUNDRY NOTICES AND REPORTS ON WELLS 0. In our set this form for proposals to drift on to deepen or reservity to a different reservoir. SUBMIT IN TRIPLICATE 1 If Unit at X PAPLICATION FOR PERMIT — " for such proposals Yes different reservoir. Yes different reservoir. Name of Operation Proj divid	DEPARTMI	ENT OF THE INTERIOR	Budget Bureau No. 1004-0135 Expires: March 31, 1993	
SUBMIT IN TRIPLICATE Type of Well	SUBMIT IN TRIPLICATE Type al Weil Obser D'Weil Obser D'Weil Obser Pogo Producting Company Federal 2# #fe Address and Explorations No. Federal 2# #fe P. O. Box 10340, Midland, TX 79702-7340 (915)682-6822 IP Federal 2# #fe Intermed Weil Broking Soc. 1. B. M. or Smrcy Description 30-025-31618 30' FSL & 2310' FWL, Section 27, T225, R32E In County & MM CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF ACTION Mance of Intern Internet Weil Broking Soc. 1. A. M. of Smrcy Description Internet Weil Broking Soc. 1. A. M. of Smrcy Description 30' FSL & 2310' FWL, Section 27, T225, R32E Internet Mediate Report Internet Internet	Do not use this form for proposals to	drill or to deepen or reentry to a different rese	ervolr.	
Image of Operation First of Market and Telephone No. If Well None and Telephone No. Pogo Producting Company 9.00 Exp 10340, Midland, TX 79702-7340 (915)682-6822 If Feddran 2 # ### Address and Telephone No. If Read in the No. of Supervised Sec. T. R. M. of Surrey Description) If Read in the No. of Supervised Sec. T. R. M. of Surrey Description) 30' FSL & 2310' FWL, Section 27, T22S, R32E If Compares Teles, Sec. If Compares Teles, Sec. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Monte of Inces Abandoment Recomption New Construction Monte of Inces Progge Back Progge Or Submission TYPE OF ACTION Market of Inces Abandoment Progge Or Subcopect Report Compare of Plans If Find Abandomment Nuice New Constructions to Infection Observed of Completed Operations (Clerify tate at periferent dust), and give perifiered dust), including estimated date of taring any proposed owell. If well is discribually diffed give where the above well via 6" poly line into the Red Jank 28 Federal #3 SWD located Pogo respectfully request permission to dispose of off-lease Produced water from the above well via 6" poly line into the Red Jank 28 Federal #3 SWD located If Leachy regins in the Intervine Typervine Ty	Weil Other Indicated producting Company Indicated producting Company Page Producting Company 9.4 Mit Num Note: Indicated producting Company Indicated producting Company Address and Trabues Num. P. O. Box 10340, Midland, TX 79702-7340 (915)682-6822 In Field and Food, or Exploration Area 30' FSL & 2310' FWL, Section 27, T22S, R32E In Field and Food, or Exploration Area CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Manage of Indicate Indicated production of the pr	SUBM	IT IN TRIPLICATE	7. If Unit or Aragreement Designation	
Name of Operator Pedge Producting Company 9. AT Will Ne. Poge Producting Company 30-025-31618 O. Box 10240, Midland, TX 79702-7340 (915)682-6822 Disking to Exploration Ne. 9. AT Will Ne. 30' FSL & 2310' FWL, Section 27, T22S, R32E W. Red Tank Delaware CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Mater of Incel Abadomenti Recomption Proge Producting Control on Information Monte of Incel Abadomenti Monte of Incel Abadomenti Proge Transmitter Operation Proge Transmitter Operation on Infection Proge Transmitter become we will all perimet deals and progene we well was the formal appropriate we will a fore the operation on Infection Proge Transmitter beconone we well all of the operation on Infect	Adment Operation Federal 27 # JEC. Pogo Producing Company 9.4.07 will be: Additat that Technics New Company 10. Fable and exploring Company Additat that Technics New Company 10. Fable and exploring Area 10. Box 10340. Midland, TX 79702-7340 (915)682-6822 10. Fable and exploring the explored 30' FSL & 2310' FWL, Section 27, T22S, R32E In Fable and exploring Area CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF SUBMISSION TYPE OF SUBMISSION Mane of Intern Abandonment Mane of Intern Mane of Intern	Type of Well Gas Oil Well Other		8. Well Name and No.	
Address and Telephone No. 30-1020-31018 P. O. Box 10340, Midland, TX 79702-7340 (915)682-6822 ID Fridi and Root, or Epidometry Aree Incerne of Well (Treasure Sec. T. R. M. or Survey Description) ID Fridi and Root, or Epidometry Aree 30' FSL & 2310' FWL, Section 27, T22S, R32E Lea County, NM CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF SUBMISSION TYPE OF ACTION Makes of Insen Recomptation Makes of Insen Recomptation Print Abunkomment Notice Anadomeren ID Denote Proposed or Completed Operations (Clearly state aff period data), and give printers datas, including estimated date of stating any proposed work. If well is directionally datable constraints with compares and measured and the versical depths for all markers and zones perimeter to this were stating wave for developed work. If well is directionally datable constraints with compares and the versical depths for all markers and zones perimeter to this were stations and the developed work. If well is directionally datable constraints were the datable constraints of the datable constraints were the datable constraints and zones perimeter datable constraints and zones perimeter datable constraints and zones perimeter datable constraints were the datable constraints and zones perimeter datable constraint and the order and the second and the verind	Address and Telephone No. P. O. Box 10340, Midland, TX 79702-7340 (915)682-6822 ID Field and Mod. # Exploratory Area Jo. Field and Mod. # Exploratory Area N. Red Tank Delaware Jo. Field and Mod. # Exploratory Area W. Red Tank Delaware Jo. Field and Mod. # Exploratory Area W. Red Tank Delaware Jo. Field and Mod. # Exploratory Area W. Red Tank Delaware Jo. Field and Mod. # Exploratory Area W. Red Tank Delaware In Compare Tarks. Delaware In Compare Tarks. Delaware Jo. Field and Mod. # Exploratory Area W. Red Tank Delaware In Compare Tarks. Delaware In Compare Tarks. Delaware In Compare Tarks. Delaware In Compare Tarks. Delaware In Science Formation In Science Tarks. Delaware Marce of Incom In Science Tarks. Delaware In Science Formation In Science Tarks. Delaware Marce of Incom In Science Tarks. Delaware In Science Tarks. Delaware In Science Tarks. Delaware <	Name of Operator			
1. Locking of Weil Tronge, Sec. T. R. M. of Survey Description 30' FSL & 2310' FWL, Section 27, T22S, R32E CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION Will Tronge of Plans TYPE OF SUBMISSION Wate of Inten Babaqueti Report Chief Submission Find Abundomment Nuice Decision Feature Decision Town of Plans Named of Competion Operations (Charly sub all perimer details, including estimated due of saming any proposed work. If well is directionally defined property of the Report of the abundom at all control of the second station of the second work. If well is directionally defined property of the approved of Competion and maximed and the vertical depths for all markers and zones perimers dates, including estimated due of saming any proposed work. If well is directionally defined property of the abundom work of Control of the second station and maximed and the vertical depths for all markers and zones perimers that saming any proposed work. If well is directionally defined to the well and the vertical depths for all markers and zones perimers that saming any proposed work. If well is directionally defined to the well and the second station of the second station and maximed and the second station of the above well via 6" poly 11 pine into the Red Tank 28 Federal #3 SWD located NW/4, NE/4, Section 28, T22S, R32E, Lea County. The Red Tank 28 Federal #3 SWD located NW/4, NE/4, Section 28, T22S, R32E, Lea County. The Red Tank 28 Federal #3 SWD located State office and the second state office and the state office and the second state office and	Training of Weil (Rearge, Sec. T. R. M. or Survey Description) W. Red Tank Delaware 30' FSL & 2310' FWL, Section 27, T22S, R32E Lea County, NM CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF SUBMISSION Water of Nume Manual Properties OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Other Comparison Non-report of Final Manual Francing Construction Other Comparison Non-report of Comparison Clearly state ill pertinent detail, und jive pertinent data, including entiment data, including data, including entiment data, including en	Address and Telephone No.			
30' FSL & 2310' FWL, Section 27, T22S, R32E II. County of Purch, Sue Lea County, NM CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION Charge of Plans A Badadoment A Badadoment A Subsequent Report Charge of Plans Print Abunchonnent Nuice Other Ease Shar Off Other Subsection Report Other Ease Shar Off Other Ease Produced water from The Senior Operations Engineer	30' FSL & 2310' FWL, Section 27, T22S, R32E II. Courty of Prints, Suite Lea County, NM CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF SUBMISSION <td c<="" td=""><td>P. O. Box 10340, Midland,</td><td></td><td></td></td>	<td>P. O. Box 10340, Midland,</td> <td></td> <td></td>	P. O. Box 10340, Midland,		
CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Image: Internet Image: Internet Image: Internet Image: Internet Image: Internet Image: Internet Image: Internet Image: I	CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Image: Subsequent Report Change of Plans Image: Subsequent Report Change of Plans Image: Final Abundonment Nutice Change of Plans New Construction Proposed or Completed Operations (Charly state all pertinent deals, and give pertinent deals of Subsequent Report Pogo respectfully request permission to dispose of off-lease produced water from the above well via 6" poly line into the Red Tank 28 Federal #3 SMD located NW/4, NE/4, Section 28, 1225, R322, Lea County. The Red Tank 28 Federal #3 SMD located NW/4, NE/4, Section 28, 1225, R322, Lea County. The Rest Section 37, 43 SWD is an approved disposal well per Administrative Order SWD-526 (Attached). Tate_Senior Operations Engineer Tate_Senior Operations Engineer Des April 7, 1994 Tate_Periodeurn Engineer Des 5/12/94	Location of Well (rookage, Sec., L., K., M., or Surve)	y Description)		
TYPE OF SUBMISSION TYPE OF ACTION Notice of linear Abandomment Abandomment Recomplicion Change of Plans Subsequent Report Program Back Note Construction Note Construction Final Abandomment Notice Program Back Note Construction Note Construction Uses the Proposed or Completed Operations (Clearly state all pertisent details, and give pertinent dates, including estimated date of starting any proposed work. If wells directionally drilled give subarface locations and measured and tree vertical depths for all markets and zones pertinent to this work? Pogo respectfully request permission to dispose of off-lease produced water from the above well via 6" poly line into the Red Tank 28 Federal #3 SWD located NW/4, NE/4, Section 28, T22S, R32E, Lea County. The Red Tank 28 Federal #3 SWD located NW/4, NE/4, Section 28, T22S, R32E, Lea County. The Red Tank 28 Federal #3 SWD located NW/4, NE/4, Section 28, T22S, R32E, Lea County. The Red Tank 28 Federal #3 SWD located is all approved disposal well per Administrative Order SWD-526 (Attoched). Yumot More Super for Federal or State office use) The Senior Operations Engineer Date April 7, 1994 (This space for Federal or State office use) The Petroleum Engineer Date 5/12/94	TYPE OF SUBMISSION TYPE OF ACTION Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Report Image: Subsequent Repo	30' FSL & 2310' FWL, Section	27, T22S, R32E	Lea County, NM	
Image: Construction Image: Construction Image: Constreaction Image: Constreaction<	In the or observed of incut Abardonment Change of Plans. Image: Subsequent Report Program Program Program Image: Subsequent Report Conversion to Injection Program Program Image: Subsequent Report Conversion to Injection Program Program Image: Subsequent Report Conversion to Injection Program Program Describe Proposed or Completed Operations (Clearly state all periment details, and give periment dates, including estimated date of starting may proposed water Program Pogo respectfully request permission to dispose of off-lease produced water from the above well via 6" poly line into the Red Tank 28 Federal #3 SWD located NW/4, NE/4, Section 28, T22S, R32E, Lea County. The Red Tank 28 Federal #3 SWD is an approved disposal well per Administrative Order SWD-526 (Attoched): I hereby, spectific the reports the date office weight of the spectral of state office weight of the spectral of the spectral of sp	CHECK APPROPRIATE BO	X(s) TO INDICATE NATURE OF NOTICE,	REPORT, OR OTHER DATA	
Kecompletion Recompletion R	Event of interval in the interval in State office used Approved by Orige Signed by Shannon J. Shaw Tate Petroleurn Engineer Date Signed by Shannon J. Shaw Tate Petroleurn Engineer Date Signed Signe	TYPE OF SUBMISSION	TYPE OF A		
Subsequent Report Progging Bick Non-Routine Fracturing Final Abandomment Nutice Casing Repair Water Shur-Off Ober the 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 depts for all markers and zones pertinent to this work !* Pogo respectfully request permission to dispose of off-lease produced water from the above well via 6" poly line into the Red Tank 28 Federal #3 SWD located NW/4, NE/4, Section 28, T22S, R32E, Lea County. The Red Tank 28 Federal #3 SWD is an approved disposal well per Administrative Order SWD-526 (Attached). I hereby court has the lorgning is fore unknown Tate_Senior Operations Engineer	Subsequent Report Subsequent Report Find Abandomment Notice Find Abandomment Notice Find Abandomment Notice Describe Proposed or Completed Operations (Clearly sate all pertinent deals, and give periment to all work or the periment of the work of the above well via 6" poly line into the Red Tank 28 Federal #3 SMD located NW/4, NE/4, Section 28, T225, R32E, Lea County. The Red Tank 28 Federal #3 SMD located NW/4, NE/4, Section 28, T225, R32E, Lea County. The Red Tank 28 Federal #3 SMD located NW/4, NE/4, Section 28, T225, R32E, Lea County. The Red Tank 28 Federal #3 SMD located NW/4, NE/4, Section 28, T225, R32E, Lea County. The Red Tank 28 Federal #3 SMD located NW/4, NE/4, Section 28, T225, R32E, Lea County. The Red Tank 28 Federal #3 SMD located NW/4, NE/4, Section 28, T225, T225, R32E, Lea County. The Red Tank 28 Federal #3 SMD located NW/4, NE/4, Section 28, T225, T225, R32E, Lea County. The Red Tank 28 Federal #3 SMD located NW/4, NE/4, Section 28, T225, T225, R32E, Lea County. The Red Tank 28 Federal #3 SMD located NW/4, NE/4, Section 28, T225, T2	Notice of Intent			
Final Abundonment Notice Casing Repair Altering Casing Conversion to Injection Conversion to Injection Other	Casing Repair Casing Repair Casing Repair Casing C	Subsemient Report			
Describe Proposed or Completed Operations (Clearly state all pertinent datas, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally divided give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work? Pogo respectfully request permission to dispose of off-lease produced water from the above well via 6" poly line into the Red Tank 28 Federal #3 SWD located NW/4, NE/4, Section 28, T22S, R32E, Lea County. The Red Tank 28 Federal #3 SWD is an approved disposal well per Administrative Order SWD-526 (Attached).	Describe Proposed or Cumpleted Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of staring any proposed work. If well is directionally drill give subsurface locations and measured and two vertical depths for all markets and zones pertinent to this work y. Pogo respectfully request permission to dispose of off-lease produced water from the above well via 6" poly line into the Red Tank 28 Federal #3 SMD located NW/4, NE/4, Section 28, T22S, R32E, Lea County. The Red Tank 28 Federal #3 SMD is an approved disposal well per Administrative Order SWD-526 (Attached).			Ē	
More Reported Operations Will of Multiple Completion of Woll (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled give suburface locations and measured and true vertical depths for all markers and zones pertinent to this work. If Pogo respectfully request permission to dispose of off-lease produced water from the above well via 6" poly line into the Red Tank 28 Federal #3 SWD located NW/4, NE/4, Section 28, T22S, R32E, Lea County. The Red Tank 28 Federal #3 SWD is an approved disposal well per Administrative Order SWD-526 (Attached). I hereby coupleted for the therepoints lifed and couplete to this work. The clear and the bioregoints lifed and couplete to the second dispose of off-lease produced water from the above disposal well per Administrative Order SWD-526 (Attached). I hereby coupleted for the therepoints lifed and couplete to the second dispose of the clear of the second dispose of the seco	(Note Regeneration of Clearly state all periment details, and give periment dates, including estimated date of starting any proposed work. If well is directionally drill give subsurface locations and measured and true vertical depths for all markets and knews periment to this work? Pogo respectfully request permission to dispose of off-lease produced water from the above well via 6" poly line into the Red Tank 28 Federal #3 SWD located NW/4, NE/4, Section 28, T22S, R32E, Lea County. The Red Tank 28 Federal #3 SWD is an approved disposal well per Administrative Order SWD-526 (Attoched). I hereby craft due to the proving updet and coper Syned Thite Senior Operations Engineer Date Approved by Orig Signed by Shannon J. Shaw Thite Approved by Orig Signed by Shannon J. Shaw Thite Approved by Orig Signed by Shannon J. Shaw Thite	Final Abandonment Notice		r ·	
 Describe Proposed or Completed Operations (Clearly state all periment details, and give periment 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 periment to this work of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones periment to this work of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones periment to this work of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones periment to this work of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones periment to this work of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones periment to this work of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones periment to this work of starting any proposed work. If well is directionally drilled gives subscription and the locate drilled gives and any period disposed of off-lease period gives and any period disposed work of the depth of start office use difference is for all period disposed work of the depth of start office use difference is given disposed work of the depth of the	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 drill give suburface locations and measured and true vertical depths for all markers and zones pertinent to this work." Pogo respectfully request permission to dispose of off-lease produced water from the above well via 6" poly line into the Red Tank 28 Federal #3 SWD located NW/4, NE/4, Section 28, T22S, R32E, Lea County. The Red Tank 28 Federal #3 SWD is an approved disposal well per Administrative Order SWD-526 (Attached). I hereby coupy that the foregoing is first and govern Signed Title Signed Date April 7, 1994 (This space for Federal or State office use) Title Apprived by Orig Signed by Shannon J. Shaw Title Petroleurn Engineer Date Approved by Orig Signed by Shannon J. Shaw Title			(Note: Report results of multiple completion on Well	
1 I hereby certify that the foregoing is rede and correct Signed Signed Grind State office use) Approved by Signed by Approved by Signed by Signed by Signed by Signed by Signed by Signed by Signed by Signed by Shannon J. Shaw Title Petroleura Engineer Date 5/12/94	i Lhereby certify that the foregoing is fore and correct Signed	give subsurface locations and measured and true v Pogo respectfully request the above well via 6" pol NW/4, NE/4, Section 28, T	permission to dispose of off-leas y line into the Red Tank 28 Federa 22S, R32E, Lea County. The Red Tank	e produced water from 1 #3 SWD located nk 28 Federal #3 SWD	
Signed Operations Engineer Date April 7, 1994 (This space for Federal or State office use) Approved by Orig. Signed by Shannon J. Shaw Title Petroleura Engineer Date 5/12/94	Signed Operation Engineer Date April 7, 1994 (This space for Federal or State office use) Approved by Orig. Signed by Shannon J. Shaw Title Petroleum Engineer Date 5/12/94 Date Approved, if any:	A - A -			
(This space for Federal or State office use) Approved by Shannon J. Shaw Title Petroleum Engineer Date 5/12/94	(This space for Federal or State office use) Approved by Orig. Signed by Shannon J. Shaw Title Petroleum Engineer Date 5/12/94 Conditions of approval, if any:	Bruth Flow	Title Senior Operations Eng	ineer April 7, 1994	
	Conditions of approval, if any:	(This space for Federal or State office use)			
		Approved by <u>UFI8</u> . Signed by Shannon J. Sha: Conditions of approval, if any:	Title	Date	

*See Instruction on Reverse Side

IN REPLY REFER TO 3162



United States Department of the Interior

BUREAU OF LAND MANAGEMENT Carisbed Resource Ares Headquarters P. O. Box 1778 Carisbad, New Mexico \$8220

April 7, 1994

OPERATUR: Pogo Produci	ng Company	Lease No. <u>NM-69376</u>
WELL NO. & NAME Fede	eral 27 #1	
LOCATION: <u>SE } SW</u>	3, Sec. 27, T. 22 S., R.	32 E., Eddy County, N.M. Lea
salt Water Disposal met	ndicates the information need thod can be approved:	
Brushy Canvon/Bone Spring	Name(s) of formation(s) prod	ucing water on the lease.
1 <u>35 Total BBLS</u>	Amount of water produced fro per day.	m each formation in barrels
_Attached	A water analysis of produced in at least the total dissol concentrations of chlorides	Ved Solids, buy and one
500 BBL F.G. Tank	How water is stored on the 1	ease.
6" Poly Line	How water is moved to dispo	
Pogo Producing Co. Red Tank 28 Fed. #3 SWD	Operator's name, well name a township and range, of the disposal facility is an app operator's name and the nam should suffice.	
	f	

Supervisory Petroleum Engineer Technician



TRETOLITE DMSION

Petrolite Corporation 510 West Texas Artesia, NM 88210-2041

> (505) 746-3588 Fax (505) 746-3580

> > Repty to: P.O. Box FF Artesia, NM 88211-7531

WATER ANALYSIS REPORT

Company Address Lease Well Sample	5	: MI : RI : #1	OGO PROD IDLAND, 27 L ELLHEAD		;		Date Date Analy	Sampled ysis No.	:	3/17/94 3/16/94 623	
	ANALYS	IS					I	ng/L			* meq/L
14. 15. 16. 17.	Total Suspen Dissol Oil Ir Phenol Methyl Bicark Chlori Sulfat Calciu Magnes Sodium Iron Barium Stront	Diss ded ved wat phtl ona de sium i (ci n	ter halein A ange Alk te alculate	lkali alini ed)	inity (C ity (CaC	aCO3) O3) HCO3 C1 SO4 Ca Mg Na Fe Ba Sr	171 13 2 91	738.2 NR NR NR NR 134.0 891.0 50.0 840.0 073.7 749.5 NR NR NR 100.0	-	HCO3 Cl SO4 Ca Mg Na	2.2 4848.8 1.0 690.6 170.6 3990.8

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter	Compound Ec	quiv wt X I	neq/L =	mg/L
691 *Ca <	Ca(HCO3)2 CaSO4 CaCl2 Mg(HCO3)2 MgSO4 MgCl2 NaHCO3 Na2SO4 NaCl	73.2 60.2 47.6 84.0 71.0	2.2 1.0 687.4 170.6 990.8 2	178 71 38143 8122 233225
	NACI	58.4 5	330.0 2	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

.

REMARKS:

Petrolite Oilfield Chemicals Group

Respectfully submitted, A. MILLER



ينغبو

.

-

SCALE TENDENCY REPORT

|--|

Company Address Lease Well Sample Pt.	: POGO PRODUCING : MIDLAND, TX : RT 27 : #1 : WELLHEAD	Date : 3/17/94 Date Sampled : 3/16/94 Analysis No. : 623 Analyst : A. MILLER
---	--	---

STABILITY INDEX CALCULATIONS (Stiff-Davis Method) CaCO3 Scaling Tendency

S.T.	=	0.1 0.2	at at at	80 100 120	deg. deg. deg.	F F F	or or or	27 38 49	deg. deg. deg.	C C C
S.I. S.I.		0.2	at	140	deg.	F	or	60	deg.	С

CALCIUM SULFATE SCALING TENDENCY CALCULATIONS (Skillman-McDonald-Stiff Method) Calcium Sulfate

S = 105 S = 112 S = 115	at 80 at 100 at 120	deg. F or deg. F or deg. F or deg. F or deg. F or	27 deg C 38 deg C 49 deg C
-------------------------------	---------------------------	---	----------------------------------

.

Petrolite Oilfield Chemicals Group

Respectfully submitted, A. MILLER



.....

.

•

....

111; [99]

office