PROPOSED CASING AND CEMENTING PROGRAMSIZE OF HOLEGRADE, SIZE OF CASINGWEIGHT PER FOOTSETTING DEPTHQUANTITY OF CEMENT14-3/4"10-3/4" H-4032.75#650'WITNESSO sx (Circulate)9-7/8"7-5/8" J-5526.40#4,000'1000 sx (Circulate)6-3/4"4-1/2" J-5511.60#8500'950 sx (3200')CARLSDAD CONTRELARY'S POTASMCARLSDAD CONTRELARY'S POTASMThe Operator proposes to drill to a depth sufficient to test the Delaware and Bone Springs for oil.' Specific programs and a state outlined in the following attachments:POTASMDRILLING PROGRAM SURFACE USE AND OPERATING PLAN EXHIBIT "A" - ROAD MAPPOPROVAL SUBJECT TO	Form 3160-3 (July 1992)		811 S. 1 ARTESIA, Nia TED STATE	issee S INTERIOR	SUBMIT IN (Other instruction reverse st	LICATE	FORM APPI OMB NO. 10 Expires: Februar 5. LEASE DESIGNATION ANI NM- 89172	04-0136 ry 28, 1995	
In TYPE OF WORK DRILL IS DEEPEN INTEGEVENT INTEGEVENT <td>APPI</td> <td>ICATION FOR P</td> <td>ERMIT TO</td> <td></td> <td>FEPEN</td> <td></td> <td></td> <td>TRIBE NAME</td>	APPI	ICATION FOR P	ERMIT TO		FEPEN			TRIBE NAME	
B THE OF VELL ALL	la. TYPE OF WORK								
Struct With Construct with the second sec		RILL 🛛	DEEPEN				7. UNIT AGREEMENT NAME		
2 NAME OF OPERATOR PORO Producing Company 17891 23457 2345742 2345744 2345744 2327574 2345744 2327574 2345744 2327574 2327574				SINGLE	M ULTIP	LE 🥅			
Pogo Producing CompanyParticipation of the Performance of		WELI OTHER		ZONE.					
ADDRESS AND TELEPHONE NO 3 JUDRESS AND TELEPHONE NO 3 JUDRESS AND TELEPHONE NO A TO FROM NO 10340 4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements ') JUSA 15 - 3/0.91 A tourface 2010 FNL & 1650' FWL of Section 17, T-24S, R-31E A transmitter of WELL (Report location clearly and in accordance with any State requirements ') FEB 1998 A transmitter of WELL (Report location clearly and in accordance with any State requirements ') FEB 1998 A transmitter of WELL (Report location Clearly and in accordance with any State requirements ') FEB 1998 A transmitter of WELL (Report location Clearly and in accordance with any State requirements ') FEB 1998 A transmitter of WELL STATE 2010 FNL & 1650' FWL of Section 17, T-24S, R-31E A transmitter of WELL STATE 10 STATINE FROM PROPOSED* 10 STATINE FROM PROPOSED* PROPOSED LOCATION* 10 STATINE FROM PROPOSED LOCATION* 10 No FACEE ASSIGNED 10 STATINE FROM PROPOSED LOCATION* 10 No OF ACRES IN LEASE, IT		roducing Company	17891	•	03450			ral No. 5	
P.O. Box 10340 Provide WELL (Report location clearly and in accordance with any State requirements.*) At surface 2010 FNL & 1650' FWL of Section 17, T-24S, R-31E FEB 1990 RECEIVED 0CD - ARTESIA Indeline of Section Springs) S/// A dotter (Sono Springs) S/// Section 17, T-24S, R-31E 14 DISTANCE NMILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE. 20 miles southeast of Loving, New Mexico 16 NO. OF ACRES IN LEASE 0CD - ARTESIA 17. NO. OF ACRES NO. REAL Section 17, T-24S, R-31E 15 DISTANCE FROM PROPOSED* PROPERTY OR LEASE INFERSION OR POST OFFICE. 20 miles southeast of Loving. New Mexico 16 NO. OF ACRES IN LEASE 10. NO. OF ACRES IN LEASE 12. COUNTY OR PARISH 10 STATE 13. STATE Eddy Co. 15 DISTANCE FROM PROPOSED* PROPERTY OR LEASE INFE, FIT CONSTANCE FROM PROPOSED LOCATION* TO NEAREST WELL DRILLING, COMPLETED, 10 NO. OF ACRES IN LEASE, FIT. 20. ROTARY OR CABLE TOOLS 0R APPLIED FOR, ON THIS LEASE, FIT. 3522' Ground Level 10. NO. OF ACRES IN LEASE 10. STATE WORK While STATE* Upon Approval 23 PROPOSED CASING AND CEMENTING PROGRAM 312 ELEVATIONS (Show whether DF, RT, GR, etc.) 3522' Ground Level 22. APPROX. DATE WORK WILL START* Upon Approval 23 PROPOSED CASING AND CEMENTING PROGRAM 312 ELEVATIONS (Show whether DF, RT, GR, etc.) 3522' Ground Level 22. APPROX. DATE WORK WILL START* Upon Approval 23 PROPOSED CASING AND CEMENTING PROGRAM 312 ELEVATIONS (Show whether DF, RT, GR, etc.) 3522' Ground Level 32.75# 650' WILL MELLEASE, FIT. 0.000' sx (Circulate)			11011	/	<u></u>	100 C		KAO I	
4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At strace 2010' FNL & 1650' FWL of Section 17, T-24S, R-31E FEB 1898 RECEIVED OCD - ARTESIA At proposed prod zone With a construction of the section of the sectin of the section of the secting of the section	P.O. Bo	ox 10340		(915)68	5-840C				
Same M I OCD - ARTIC Section 17, T-24S, R-31E 14 DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 12 COUNTY OR PARISH 13 STATE 20 miles southeast of Loving, New Mexico 16 NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED 15 DISTANCE FROM PROPOSED* 16 NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED 10 DISTANCE FROM PROPOSED 1650' 640 40 11 DISTANCE FROM PROPOSED 100 OF ACRES ASSIGNED 40 12 DISTANCE FROM PROPOSED LOCATION* 100' 19. PROPOSED DEPTH 13 DISTANCE FROM PROPOSED LOCATION* 1100' 19. PROPOSED DEPTH 14 DISTANCE FROM PROPOSED LOCATION* 1100' 19. PROPOSED DEPTH 14 DISTANCE FROM PROPOSED 1100' 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS 14 EVATIONS (Show whether DF, RT, GR, etc.) 3522' Ground Level 22. APPROX. DATE WORK WILL START* 23 PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE GRADE, SIZE OF CASING WEIGHT PER FOOT 14 - 3/4'' 10-3/4'' H-440 32.75# 650' 9-7/8'' 7-5/8'' J-55 26.40# 4.000' 1000 sx (Circulate) 9-50 sx (3200') 1000 sx (Circulate) 9-7/8'' 7-5/8'' J-55 11.60# 8500' 950 sx (3200') <td>4 LOCATION OF WELL (R At surface 2010' F</td> <td>eport location clearly and in accorda NL & 1650' FWL of Sec</td> <td></td> <td>uirements.*)</td> <td>FEB 199</td> <td>8</td> <td>11. SEC., T., R., OR BLK.</td> <td></td>	4 LOCATION OF WELL (R At surface 2010' F	eport location clearly and in accorda NL & 1650' FWL of Sec		uirements.*)	FEB 199	8	11. SEC., T., R., OR BLK.		
14 DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE. 12 COUNTY OR PARISH 13 STATE 20 miles southeast of Loving, New Mexico 16 NO. OF ACRES IN LEASE 17 NO. OF ACRES ASSIGNED 12 COUNTY OR PARISH 13 STATE 14 DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE. 10 NO. OF ACRES IN LEASE 17 NO. OF ACRES ASSIGNED 15 DISTANCE FROM PROPOSED IN TO THE WELL 1650' 640 40 14 DISTANCE FROM PROPOSED LOCATION* 1650' 640 40 15 DISTANCE FROM PROPOSED LOCATION* 1100' 19 PROPOSED DEPTH 20 ROTARY OR CABLE TOOLS 16 ND AFAREST WELL DRILLING, COMPLETED, 1100' 19 PROPOSED DEPTH 20 ROTARY OR CABLE TOOLS 12 LELEVATIONS (Show whether DF, RT, GR, etc.) 3522' Ground Level 22. APPROX. DATE WORK WILL START' 23 PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE GRADE, SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT 14-3/4" 10-3/4" H-40 32.75# 650' WITNESSO Sx (Circulate) 9-7/8" 7-5/8" J-55 26.40# 4,000' 1000 sx (Circulate) 9-7/8" 7-5/8" J-55 11.60# 8500' 950 sx (3200')		° W	F		OCD - ART	ESTA	1.		
20 miles southeast of Loving, New Mexico Eddy Co. N.M. 15 DISTANCE FROM PROPOSED* LOCATION TO NEARST PROPERTY OR LEASE LINE, FT. 16.NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED 16 ND. OF ACRES IN LEASE 10. NO. OF ACRES ASSIGNED 10. THIS WELL 40 18 DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL DRILLING, COMPLETED, IO NEAREST WELL DRILLING, COMPLETED, II O JA'' H-40 10. 37.5# 322. Ground Level 22. APPROX. DATE WORK WILL START* Upon Approval 23. PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE GRADE, SIZE OF CASING WEIGHT PER FOOT 14-3/4" 10-3/4" H-40 32.75# 650' WITTNESSO \$x (Circulate) 9-7/8" 7-5/8" J-55 26.40# 4.000' 1000 \$x (Circulate) 6-3/4" 4-1/2" J-55 11.60# 8500' 950 \$x (3200') CARLES PAD CONTRELETEN INFORMANT OF I		DIRECTION FROM NEAREST	TOWN OF POST OF		000				
15 DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPORTY OR LEASE LINE FT. (Also to mearest drig unil line, if any) 1650' 16 NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED 18 DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL DILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1650' 640 17. NO. OF ACRES ASSIGNED 21. ELE VATIONS (Show whether DF, RT, GR, etc.) 3522' Ground Level 20. ROTARY OR CABLE TOOLS Rotary 23. PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE GRADE, SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT 14-3/4" 10-3/4" H-40 32.75# 650' WITNESS0 sx (Circulate) 9-7/8" 7-5/8" J-55 26.40# 4,000' 1000 sx (Circulate) 9-7/8" 7-5/8" J-55 26.40# 4,000' 1000 sx (Circulate) 6-3/4" 4-1/2" J-55 11.60# 8500' 950 sx (3200') SECRETARY'S POTASH CARLSDAD CONTROL FROME STORESTO STORESTORIESTORIESTORIESTORIESTORIESTORESTORESTORESTORESTORESTORESTORESTOR					e Alexandre				
DescriptionDescriptionDescriptionTo This Well40PROPERTY OR LEASE LINE, FT.1650'640To This Well40ID ISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.1100'19 PROPOSED DEPTH 8500'20 ROTARY OR CABLE TOOLS Rotary21. ELE VATIONS (Show whether DF, RT, GR, etc.) 3522' Ground Level22. APPROX. DATE WORK WILL START* Upon Approval23.PROPOSED CASING AND CEMENTING PROGRAMSIZE OF HOLEGRADE, SIZE OF CASING 9-7/8''WEIGHT PER FOOT 7-5/8'' J-55SETTING DEPTH 26.40#QUANTITY OF CEMENT Upon Approval23.PROPOSED CASING AND CEMENTING PROGRAMSIZE OF HOLEGRADE, SIZE OF CASING 9-7/8''WEIGHT PER FOOT 7-5/8'' J-55SETTING DEPTH 26.40#QUANTITY OF CEMENT Upon Approval24.10-3/4'' H-4032.75# 4.000'650'WITNESSO sx (Circulate) 1000 sx (Circulate)9-7/8''7-5/8'' J-5526.40# 4.000'4.000'1000 sx (Circulate) 950 sx (3200')3CORDETARY'S POTASHCARLSDAD CONTRISTORY'S POTASHCARLSDAD CONTRISTORY'S POTASHThe Operator proposes to drill to a depth sufficient to test the Delaware and Bone Springs for bill Specific programments:PART TP-1 2-27-975DRILLING PROGRAM SURFACE USE AND OPERATING PLAN EXHIBIT "A'' - ROAD MAPPPROVAL SUBJECT TO#A T L A CC	15 DISTANCE FROM PROM			16 NO OF ACRES I	NIFASE	17 NO OF		14.141.	
18. DISTANCE FROM PROPOSED LOCATION* TO NEARST WELL DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1100' 19. PROPOSED DEPTH 8500' 20. ROTARY OR CABLE TOOLS Rotary 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 22. APPROX. DATE WORK WILL START* Upon Approval 22. APPROX. DATE WORK WILL START* Upon Approval 23. PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE GRADE, SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT 14-3/4" 10-3/4" H-40 32.75# 650' WITNESSO sx (Circulate) 9-7/8" 7-5/8" J-55 26.40# 4,000' 1000 sx (Circulate) 6-3/4" 4-1/2" J-55 11.60# 8500' 950 sx (3200') SIZEMETARY'S POTASH CARLSDAD CONTRUST FOR START PASIN Operator proposes to drill to a depth sufficient to test the Delaware and Bone Springs for bill Specific programsham PASIN outlined in the following attachments: Past TV-1 2-27-98 SURFACE USE AND OPERATING PLAN EXHIBIT "A" - ROAD MAP PPEROVAL SUBJECT TO HAT + LCC	LOCATION TO NEARES PROPERTY OR LEASE L	T INE, FT.	1650'			TOTH		~	
TO NEAREST WELL DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1100' 8500' Rotary 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 22. APPROX. DATE WORK WILL START' Upon Approval 23. PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE GRADE, SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT 14-3/4" 10-3/4" H-40 32.75# 650' WITNESSO sx (Circulate) 9-7/8" 7-5/8" J-55 26.40# 4,000' 1000 sx (Circulate) 6-3/4" 4-1/2" J-55 11.60# 8500' 950 sx (3200') SECRETARY'S POTASH The Operator proposes to drill to a depth sufficient to test the Delaware and Bone Springs for oil. Specific programstant: Outlined in the following attachments: Part TV-1 DRILLING PROGRAM SURFACE USE AND OPERATING PLAN LIPEROVAL SUBJECT TO MAP PEBOVAL SUBJECT TO	18. DISTANCE FROM PRO	POSED LOCATION*		***)	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 22. APPROX. DATE WORK WILL START' 3522' Ground Level 22. APPROX. DATE WORK WILL START' 23 PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE GRADE, SIZE OF CASING WEIGHT PER FOOT 14-3/4" 10-3/4" H-40 32.75# 9-7/8" 7-5/8" J-55 26.40# 9-7/8" 7-5/8" J-55 26.40# 6-3/4" 4-1/2" J-55 11.60# 8500' 950 sx (3200') CARLSDAD CONTRESSO sx (Circulate) 950 sx (3200') CARLSDAD CONTRESSO SX (3200') CARLSDAD CONTRESSO SX (3200') CARLSDAD CONTRESSO SX (3200') DETENDARY 'S POTASIN CARLSDAD CONTRESTOR STORED	TO NEAREST WELL DRILLING, COMPLETED,		11001		20. KOTAK				
3522' Ground LevelUpon Approval23.PROPOSED CASING AND CEMENTING PROGRAMSIZE OF HOLEGRADE, SIZE OF CASINGWEIGHT PER FOOTSETTING DEPTHQUANTITY OF CEMENT14-3/4"10-3/4" H-4032.75#650'WITNE\$50 sx (Circulate)9-7/8"7-5/8" J-5526.40#4,000'1000 sx (Circulate)6-3/4"4-1/2" J-5511.60#8500'950 sx (3200')GRADE STRETARY'S POTASHCARLS DAD CONTROL For proposes to drill to a depth sufficient to test the Delaware and Bone Springs for oil. Specific programs failsDRILLING PROGRAMSURFACE USE AND OPERATING PLANAPPROVAL SUBJECT TO#AFT + $L \propto C$				L 22					
PROPOSED CASING AND CEMENTING PROGRAMSIZE OF HOLEGRADE SIZE OF CASINGWEIGHT PER FOOTSETTING DEPTHQUANTITY OF CEMENT14-3/4"10-3/4" H-4032.75#650'WITNESSO sx (Circulate)9-7/8"7-5/8" J-5526.40#4,000'1000 sx (Circulate)6-3/4"4-1/2" J-5511.60#8500'950 sx (3200')CARLSDAD CONTROL FOR STATES TO STATE TO THE OPERATOR PROGRAMThe Operator proposes to drill to a depth sufficient to test the Delaware and Bone Springs for oil: Specific programmatic:OPERATING PROGRAMSURFACE USE AND OPERATING PLANEXHIBIT "A" - ROAD MAP	3522' Grour	nd Level							
SIZE OF HOLEGRADE, SIZE OF CASINGWEIGHT PER FOOTSETTING DEPTHQUANTITY OF CEMENT $14-3/4"$ $10-3/4"$ H-40 $32.75\#$ $650'$ WITNESSO sx (Circulate) $9-7/8"$ $7-5/8"$ J-55 $26.40\#$ $4,000'$ 1000 sx (Circulate) $6-3/4"$ $4-1/2"$ J-55 $11.60\#$ $8500'$ 950 sx ($3200'$)CARLS DAD CONTRESS of the programs at a state of the program at a st	23.		PROPOSED CASE	NG AND CEMENT					
$14-3/4"$ $10-3/4"$ H-40 $32.75\#$ $650'$ WITNESSO sx (Circulate) $9-7/8"$ $7-5/8"$ J-55 $26.40\#$ $4,000'$ 1000 sx (Circulate) $6-3/4"$ $4-1/2"$ J-55 $11.60\#$ $8500'$ 950 sx ($3200'$)CARLSDAD CONTROLOGYDRILLING PROGRAMSURFACE USE AND OPERATING PLANPPROVAL SUBJECT TOHAT \neq h.cc	SIZE OF HOLE	GRADE SIZE OF CASING					OUNTITY OF CENT		
9-7/8"7-5/8" J-55 $26.40\#$ $4,000'$ 1000 sx (Circulate)6-3/4" $4-1/2$ " J-55 $11.60\#$ $8500'$ 950 sx ($3200'$)CARLSDAD CONTROLLED OF STARMOF MASHThe Operator proposes to drill to a depth sufficient to test the Delaware and Bone Springs for oil. Specific programs fairsOF MASHDRILLING PROGRAMSURFACE USE AND OPERATING PLANPPROVAL SUBJECT TO#AFT \neq $h.ccc$		_				61.81976			
$6-3/4"$ $4-1/2"$ J-55 $11.60\#$ $8500'$ $950 \text{ sx} (3200')$ CARLSSAD CONTRACTORY'S POTASMCARLSSAD CONTRACTORY'S POTASMThe Operator proposes to drill to a depth sufficient to test the Delaware and Bone Springs for oil.' Specific programstanceOutput: Interview of the following attachments:DRILLING PROGRAMSURFACE USE AND OPERATING PLANPPROVAL SUBJECT TOHAT $\neq h.cc$	9-7/8"								
DECRETARY'S POTASH GARLSDAD CONTROL (3200) The Operator proposes to drill to a depth sufficient to test the Delaware and Bone Springs for oil.' Specific programshap: EASIN outlined in the following attachments: $Post TV - 1$ DRILLING PROGRAM $2-27-98$ SURFACE USE AND OPERATING PLAN $AFT \neq Lcc$	6-3/4"	4-1/2" J-55	11.60#						
The Operator proposes to drill to a depth sufficient to test the Delaware and Bone Springs for oil. Specific programs and $Past TV - 1$ DRILLING PROGRAM SURFACE USE AND OPERATING PLAN EXHIBIT "A" - ROAD MAP	SECRE	TARY'S POTASH	l	1		-			
EXHIBIT "A" - ROAD MAP P	The Operator pr	oposes to drill to a depth	n sufficient to te	st the Delaware a	nd Bone Spri	ngs for off			
EXHIBIT "A" - ROAD MAP $P \neq \lambda \alpha$			AN				14.4	27-98	
				PPROVAL SUBJECT TO HPT + La					
EXHIBIT "B" - EXISTING WELL MAP				GENERAL REQUIREMENTS AND					
EXHIBIT C' - LOCATION AND DEDICATION PLAT	EXHIBIT "C" -	LOCATION AND DEL	T S	PPEDAL STIDI LATIONO					
				TANERN					
EXHIBIT "D" - DRILLING RIG LAYOUT EXHIBIT "E" - 3M BOP EQUIPMENT									

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deeper directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED	um hr. c. Rite p	TITLE	Agent	t	DATE	12/11/97
(This space for	or Federal or State office use)					
PERMIT NO.		A	PPROVAL DATE			
Application approv	al does not warrant or certify that the applicant holds lega	l or equitable title to	those rights in the subje	ect lease which would en	title the applicant	to conduct anomations there a

equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. ertify that the applicant holds lega CONDITIONS OF APPROWAL, IF ANY:

۲

APPROVED BY S/M J C/2002 TITLE STATE DATE 1-22-95 *See Instructions On Reverse Side 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.