Form 3160-3 (July 1992)	UN DEPARTMEN BUREAU O		INTE	RIOR	ructic n	OMB NO.	PPROVED 1004-0136 reary 28, 1995
APP	LICATION FOR					6. IF INDIAN, ALLOTT	TE OF TRIBE NAME
la. TYPE OF WORK	DRILL X	DEEPEN				7. UNIT AGREEMENT	
b. TIPE OF WELL OIL WELL	WELL X OTHER			SINGLE XX MULT		S. FARM OR LEASE NAME, W	
2. NAME OF OPERATOR POGO PRODUCI	ING COMPANY	(RICHARD V		T 915-685-8140)		EOOTLEG "24"	
	340 MIDLAND, TEX			(915-685-8100)		30-025- : 10. FIELD AND POOL	355/2 OB WILDCAT
1980' FSL & At proposed prod. z	L	24 T22S-R32	2E L	EA CO. NM		BOOTLEG RIDGE 11. BC., T. B., M., OF AND BURYEY OR SEC. 24 T22	BT.F
	AND DIBECTION FROM NE. y 25 miles East					12. COUNTY OF PARISE LEA CO.	
13. DISTANCE FROM PRO LOCATION TO NEARE PROPERTY OF LEASE	POSED*	20'	16. N	0. OF ACRES IN LEASE		DF ACRES ASSIGNED HIS WELL 320	NM
18. DISTANCE FROM FRO TO NEAREST WELL. OR APPLIED FOR, ON T	DRILLING, COMPLETED,	1200'		HOPOSED DEPTH 5,200'		ET OE CABLE TOOLS	·····
	bether DF, RT, GR, etc.)	······	<u> </u>		ROT	ARY 22. APPROX. DATE WC	PF WITT FRIDE
	The second s	3750'	GR	•		WHEN APPROVE	
23.		PROPOSED CASI	ING ANI	CEMENTING PROGRA	м	<u></u>	
SIZE OF HOLE	· GRADE SIZE OF CASING	WEIGHT PER P	00T	SETTING DEPTH		QUANTITY OF CEMEN	YT
<u>17½"</u> •	H-40 13 3/8"	48		<u>950' 1000'</u>		x. circulate t	
812"	<u>N-80 9 5/8"</u> S-95,P-110 7"	<u> </u>		4700'	<u>1800 S</u>		
6 1/8"	P-110 5"	18		12,450-15,200'	400Sx.	x. DV tool @ 7	000' TC 3000' 0 liner hange
 2. Dril. 1000 3. Dril. 1800 4. Drill of S- Class 5. Drill with 	1 17½" hole to 95 Sx. of Class "C" 1 12½" hole to 47 Sx. of Class "C" 1 8½" hole to 12, -95, 8000' of P-1 5 "H" cement + ad 2 6 1/8" hole to 400 Sx. of Class	0 [°] . Run and cement +2% 00'. Run and cement + 25 650'. Run and 10. Cement i ditives, est 15,200'. Run "H" Low wat	set CaCl d set % CaC nd se in two timate ta 5' ter lo	950' of 13 3/8" + ½#,Flocels/S: 4700' of 9 5/8' 1, + ½# Flocele, t 12,650' of 7" o stages with DV e the top of cem ' 18# P-110 ST&C oss cement.	48# H-4 c. circu ' 40.5# 'Sx. cir 29# LT& ' tool a hent 300 liner	0 ST&C casing. Hate cement to N-80 ST&C casin culate cement to C casing as fol t 7000'± using 0' from surface from 12,400' to	Cement with surface. ng. Cement wit to surface. Llows: 4650' 1200 Sx. of 200 Sx. of
24.	nent data on subsurface locations			depths. Give blowout prevent	er program, il	any	
SIGNED		LLCS_TITL	s A	gent		01/29	9/01
PERMIT NO PRO	R. OGRID NO. //	90		PPBOY AL DATE			
CONDITIONS OF EFF.	DATE 4-13-0 NO. 30-025-3: De J Gon-76	<u> </u>			se which woul	d entitle the applicant to condi- A and A	uct operations thereon.
itle 18 U.S.C. Section	GWW 1001, makes it a crime i	*See Instructi	ions O	n Reverse Side	to any de		S and the second s

itle 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 nited States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

VICINITY MAP



SCALE: 1'' = 2 MILES

 SEC. 24 TWP. 22 - S RGE. 32 - E

 SURVEY
 N.M.P.M.

 COUNTY
 EDDY

 DESCRIPTION 1980'FSL & 1220'FWL

 ELEVATION 3750'

OPERATOR POGO PRODUCING COMPANY LEASE BOOTLEG 24 FEDERAL COM JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117

LOCATION VERFICATION MAP



SCALE: 1" = 2000'

SEC. <u>24</u> TWP. <u>22–S</u> RGE. <u>32–E</u> SURVEY <u>N.M.P.M.</u> COUNTY <u>ED</u>DY

DESCRIPTION 1980'FSL & 1220'FWL

ELEVATION _____ 3750'

OPERATOR POGO PRODUCING COMPANY LEASE BOOTLEG 24 FEDERAL COM

U.S.G.S. TOPOGRAPHIC MAP THE DIVIDE, BOOTLEG RIDGE, N.M. CONTOUR INTERVAL: 10' THE DIVIDE , BOOTLEG RIDGE, N.M.

JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117

APPLICATION TO DRILL

POGO PRODUCING COMPANY BOOTLEG "24" FEDERAL COM # 1 UNIT "L" SECTION 24 T22S-R32E LEA CO. NM

In response to questions asked under Section II of Bulletin NTL-6 the following information on the above well is provided for your consideration.

- 1. Location: 1980' FSL & 1220' FWL SEC. 24 T22S-R32E LEA CO. NM
- 2. Elevation above Sea Level ... 3750' GR.
- 3. Geologic name of surface formation: Quaternery Aeolian Deposits.
- 4. <u>Drilling tools and associated equipment:</u> Conventional rotary drilling rig using drilling mud as a circulating medium for solids removal from hole.
- 5. Proposed drilling depth: 15,200'
- 6. Estimated tops of geological markers:

Rustler Anhydrite	800'	Strawn	13590'
Brushy Canyon	7100'	Atoka	13950'
Bone Spring	86651	Morrow	14242'
Wolfcamp	12090'	Murruw Clastics	14542'
7. Possible mineral b	pearing formations:		
Delaware	011	_	

Delaware	Oil	Strawn	Gas
Bone Spring	Oil	Atuka	Gas
Wolfcamp	Gas	Morrow	-
8. Casing program:			Gas

<u>Hole size</u>	Interval	OD of casing	Weight	Thread	Collar	Grade
25"	0-40	20"	NA	NA	NA	Conductor
17'2"	0-9501 1000	13 3/8"	48	8-R	ST&C	H-40
124	0-4700'	9 5/8"	40.5	8-R	ST&C	N-80
8½″′	0-12,650'	7"	29	8-R	LT&C	S-95 P-110
6 1/8"	12,650-15,200'	5"	18	8-R	LT&C	P-110

APPLICATION TO DRILL

POGO PRODUCING COMPANY BOOTLEG "24" FEDERAL COM # 1 UNIT "L" SECTION 24 T22S-R32E LEA CO. NM

9. CASING SETTING & CEMENTING:

20"	Conductor	Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
		Redi-mix. Set 950 of 13 3/8" 48# H-40 ST&C casing. Cement with 1000 Sx. of Class "C" cement + 2% CaCl Circulate cement to surface.
	lst Intermediate	Set 4700' of 9 5/8" 40.5# ST&C N-80 casing. Cement with 1800 Sx. of Class "C" cement + additives, circulate to surface.
7"	2nd Intermediate	Set 12,650' of 7" 29# S-95 & P-110 LT&C casing. Cement in 2 stages with DV tool at 700'±. Cement with 1200 Sx. of Class "H" cement + additives, estimate top of cement 3000' from Sur.
5"	Production Liner	Set 2550' of 5" 18# P-110 LT&C liner from TD back to 12,250' Cement with 400 Sx. of Class "H" low water loss cement.

10' <u>PRESSURE CONTROL EQUIPMENT</u>: Exhibit "E" shows a 1500 series 5000 PSI WP B.O.P. consisting of a top bag type annular preventor, middle blind ram, bottom pipe ram. This will be on the hole from 950' to 12,650' Exhibit "E'" shows a 10,000 PSI WP B.O.P. Consisting of top bag type annular preventor, middle top pipe ram, middle bottom blind ram, bottom pipe ram, this system will be on hole from 12,650' to TD. Both systems will be operated by a hydraulically operated closing units as shown on Exhibit "E-1" & "E-1"" Pipe rams will be operated on a regular basis and blind rams will be operated when drill pipe is out of hole. Choke manifold will have hand and hydraulic operated controls. Flow sensor PVT, full opening stabbing valves and upper kelly cock will be utilized. No abnormal pressures or temperatures are expected on this well while drilling.

DEPTH	MUD WT.	VISC.	Fluid loss	TYPE MUD
40 -950 7000	8.5-8.7	29-32	NC	Fresh water spud mud add paper to control seepage if necessary
1000' 9 50- 4700'	10.1-10.5	29-36	NC	Brine water add paper for seepage control and lime for pH control.
4700-12,650'	8.5-8.7	29-38	NC	Fresh water add Gel for viscosity, use high viscosity sweeps to clean hole.
12,650-14,200'	10.3-10.7	30-38	NC	Brine water using high viscosity sweeps to clean hole & lime for pH.
14,200-15,200'	10.5-10.8	32-40	10 cc or less	Brine Dris-Pac system for water loss control for DST's and logging.

11. PROPOSED MUD CIRCULATING SYSTEM:

Sufficient mud materials will be kept on location at all times in order to combat lost circulation and unexpected kicks. In order to run DST's and run open hole logs and run casing water loss and viscosity may have to be adjusted to meet these conditions.

APPLICATION TO DRILL

POGO PRODUCING COMPANY BOOTLEG "24" FEDERAL COM # 1 UNIT "L" SECTION 24 T22S-R32E LEA CO. NM

12. TESTING, LOGGING, & COREING PROGRAM:

- A. Open hole logs: Run # 1 Dual Laterolog, SNP, LDT, Gamma Ray, Caliper from 4700-950' run Gamma Ray, Neutron from 950' to surface. Run # 2 Dual Induction SNP, LDT Gamma Ray, Caliper from 12,650' to 4700'. Run # 3 Dual Laterolog SNP, LDT, Gamma Ray, Caliper from TD back to 12,650'.
- B. Mud logger will be rigged up on hole at 4700' and remain on hole to TD.

C. DST's and cores may be run and taken as shows dictate.

13. POTENTIAL HAZARDS:

No abnormal pressures or temperatures are expected. Hydrogen Sulfide gas may be encountered, H_2S detectors will be in place to detect any presence of unsafe levels of H_2S . No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operations of all equipment that will be used. Estimated BHP <u>9000</u> PSI & estimated BHT <u>200</u>°

14. ANTICIPATED STARTING DATE AND DURATION OF OPERATION:

Roads and location construction will begin after the BLM approves the APD. Anticipated spud date will be as soon as pad & road construction has been completed. Drilling time for the well is estimated to take <u>85</u> days. If production casing is run an additional <u>30</u> days will be required to complete well and construct surface facilities.

15. OTHER FACETS OF OPERATION:

After running production casing, cased hole Gamma-Neutron & Collar logs will be run over all possible pay intervals. If commercial production from the <u>MCRROW</u> pay is indicated it will be perforated and stimulated. Then if necessary the pay will be swab tested and completed as a gas well.

HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

- 1. All Company and Contract personnel admitted on location must be trained by a qualified H_2S safety instructor to the following:
 - A. Characteristics of H₂S
 - B. Physical effects and hazzards
 - C. Proper use of safety equipment and life support systems.
 - D. Principle and operation of H₂S detectors, warning system and briefing areas.
 - E. Evacuation procedure, routes and first aid.
 - F. Proper use of 30 minute pressure demand air pack.
- 2. H_2S Detection and Alarm Systems
 - A. H₂S detectors and audio alarm system to be located at bell nipple, end of blooie line (mud pit) and on derrick floor or doghouse.
- 3. Windsock and/or wind streamers
 - A. Windsock at mudpit area should be high enough to be visible.
 - B. Windsock at briefing area should be high enough to be visible.
 - C. There should be a windsock at entrance to location.
- 4. Condition Flags and Signs
 - A. Warning sign on access road to location.
 - B. Flags to be displayed on sign at entrance to location. Green flag, normal safe condition. Yellow flag indicates potential pressure and danger. Red flag, danger, H₂S present in dangerous concentration. Only emergency personnel admitted to location.
- 5. Well control equipment
 - A. See exhibit "E"
- 6. Communication
 - A. While working under masks chalkboards will be used for communication.
 - B. Hand signals will be used where chalk board is inappropriate.
 - C. Two way radio will be used to communicate off location in case of emergency help is required. In most cases cellular telephoned will be available at most drilling foreman's trailer or living quarters.
- 7. Drillstem Testing
 - A. Exhausts will be watered.
 - B. Flare line will be equipped with an electric ignitor or a propane pilot light in case gas reaches the surface.
 - C. If location is near any dwelling a closed D.S.T. will be performed.

HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

- 8. Drilling contractor supervisor will be required to be familiar with the effects H_2S has on tubular goods and other mechanical equipment.
- 9. If H_2S is encountered, mud system will be altered if necessary to maintain control of formation. A mud gas seperator will be brought into service along with H_2S scavengers if necessary.

POGO PRODUCING COMPANY BOOTLEG "24" FEDERAL COM. # 1 UNIT "L" SECTION 24 T22S-R32E LEA CO. NM

- EXISTING ROADS: Area maps, Exhibit "B" is a reproduction of a County General Highway Map. Exhibit "C" is a reproduction of a USGS Topographic Map, showing existing roads and proposed roads. All existing roads will be maintained in a condition equal to or better than current conditions. Any new roads will be constructed to BLM specifications.
 - A. Exhibit "A" shows the proposed well site as staked.
 - B. From Hobbs, New Mexico take U.S. Hi-way 62-180 West to Carlsbad NM for 38± miles to CR-29 turn South go 14 miles to Mills Ranch Road, turn East and follow road for 7.2± miles turn South go 1.4± miles , turn East go 1 mile turn North go .2 miles to Red Tank Federal # 1 follow new road Northwest 1200' to location.
 - C. Lay flowlines and construct powerlines along road R-O-W's to existing powerlines and tank batteries.
- 2. PLANNED ACCESS ROADS: Approximately 1200' of new road will be constructed.
 - A. The access road will be crowned and dirched to a 12'00" wide travel surface with a 40' right-of-way.
 - B. Gradient on all roads will be less than 5.00%.
 - C. No turnouts will be necessary.
 - D. If needed, road will be surfaced with a minimum of 4" of caliche. This material will be obtained from a local source.
 - E. Centerline for the new access road has been flagged. Earthwork will be as required by field conditions.
 - F. Culverts in the access road will not be used. The road will be constructed to utilize low water crossings for drainage as required by the Topography.
- 3. LOCATION OF EXISTING WELLS IN A ONE-MILE RADIUS EXHIBIT "A-1"

А.	Water wells	-	Water well 1.5± miles Northwest.
в.	Disposal wells	-	None known
c.	Drilling wells	-	None Known
D.	Producing wells	-	As shown on Exhibit "A-1"
Ξ.	Abandoned wells	-	As shown on Exhibit "A-1"

POGO PRODUCING COMPANY BOOTLEG "24" FEDERAL COM. # 1 UNIT "L" SECTION 24 T22S-R32E LEA CU. NM

4. If, upon completion this well is a producer Pogo Producing Company will furnish maps and/or plats showing on site facilities or off site facilities if needed. This will be accompanied with a Sundry Notice.

5. LOCATION AND TYPE OF WATER SUPPLY:

Water will be purchased locally from a commercial source and trucked over the access roads or piped in flexible lines laid on top of the ground.

6. SOURCE OF CONSTRUCTION MATERIAL:

If possible construction will be obtained from the excavation of drill site, if additional material is needed it will be purchased from a local source and transported over the access route as shown on Exhibit "C".

7. METHODS OF HANDLING WASTE MATERIAL:

- A. Drill cuttings will be disposed of in the reserve pit.
- B. All trash, junk and other waste material will be contained in trash cages or bins to prevent scattering. When the job is completed all contents will be removed and disposed of in a approved sanitary land fill.
- C. Salts remaining after completion of well will be picked up by supplier including broken sacks.
- D. Sawage from living quarters will drain into holes with a minium depth of 10'. These holes will be covered during drilling and will be back filled upon complection. A Ports-John will be provided for the rig craws. This equipment will be properly maintained during the drilling operations and removed upon completion of the well.
- E. Remaining drilling fluids will be allowed to evaporate in the reserve pit until the pit is dry enough for breaking out. In the event that drilling fluids do not evaporate in a reasonable time they will be hauled off by transports and be disposed of at a state approved disposal facility. Later pits will be broken out to speed drying. Water produced during testing will be put in reserve pits. Any oil or condensate produced will be stored in test tanks until sold and hauled from the site.
- 8. ANCILLARY FACILITIES:
 - A. No camps or airstrips to be constructed.

POGO PRODUCING COMPANY BOOTLEG "24" FEDERAL COM. # 1 UNIT "L" SECTION 24 T22S-R32E LEA CO. NM

9. WELL SITE LAYOUT:

- A. Exhibit "D" shows the proposed well site layout.
- B. This exhibit indicated proposed location of reserve and sump pits and living facilities.
- C. Mud pits in the active circulating system will be steel pits & the reserve pit is proposed to be unlined unless subsurface condition encountered during pit construction indicate that lining is needed for lateral containment of fluids.
- D. If needed, the reserve pit is to be lined with polyethelene. The pit liner will be 6 mils thick. Pit liner will entend a minimum of 2'00" over the reserve pits dikes where the liner will be anchored down.
- E. The reserve pit will be fenced on three sides with four strands of barbed wire during drilling and completion phases. The fourth side will be fenced after all drilling operations have ceased. If the well is a producer, the reserve pit fence will be torn down. The reserve pit and those areas of the location not essential to production facilities will be reclaimed and seeded per BLM requirements.

10. PLANS FOR RESTORATION OF SURFACE:

Rehabilitation of the location and reserve pit will start in a timely manner after all drilling operations cease. The type of reclamation will depend on whether the well is a producer or a dry hole.

However, in either event, the reserve pit will be allowed to dry properly, and fluid removed and disposed of in accordance with Article 7.B as previously noted. The pit area will then be leveled and contoured to conform to the original and surrounding area. Drainage systems, if any, will be reshaped to the original configuration with provisions made to alleviate erosion. These may need to be modified in certain circumstances to prevent inundation of the location's pad and surface facilities. After the area has been shaped and contoured, topsoil from the spoil pile will be placed over the disturbed area to the extent possible. Revegetation procedures will comply with BLM standards.

If the well is a dry hole, the pad and road area will be contoured to match the existing terrain. Topsoil will be spread to the extent possible. Revegetation will comply with BLM standards.

Should the well be a producer, the previously noted procedures will apply to those areas which are not required for production facilities.

POGO PRODUCING COMPANY BOOTLEG "24" FEDERAL COM. # 1 UNIT "L" SECTION 24 T22S-R32E LEA CO. NM

- 11. OTHER INFORMATION:
 - A. Topography consists of sand dunes with a slight dip toward the West. Deep sandy soil supports native grasses, mesquite, and shinnery Oak.
 - B. Surface is owned by the Bureau of Land Management U.S. Department of Interior. Surface is used for grazing of livestock and is leased to ranchers for this purpose.
 - C. An archaeological survey will be conducted and copies of the survey will be filed in the Carlsbad Office of The Bureau of Land Management.
 - D. There are no dwellings or habitation within three miles of this location.
- 12. OPERATORS REPRESENTIVE:

Before construction:

TIERRA EXPLORATION INC. P.O. BOX 2188 HOBBS, NEW MEXICO 88241 OFFICE PHONE 505-391-8503 JOE T. JANICA

During and after construction:

POGO PRODUCING COMPANY P.O. BOX 10340 MIDLAND, TEXAS 79702-7340 OFFICE PHONE 915-685-8100 MR. RICHARD WRIGHT 915-685-8140

13. <u>CERTIFICATION:</u> - I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and that the work associated with contractors/subcontractors is in the conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provi-sion of U.S.C. 1001 for the filing of a false statement.

aucea NAME DATE 01/29/01 TITLE Agent

5 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(d) bi - 1941 U.S.	J. T. Mil. J. U.S. M.J. J. T. Son J. C. E. Frances Mills Fam Protors at	W. L. Anderson, etc. J J C C, Frances Mills Fam. Prisnp		1.4503 1 10415 V 453 220 33 1 5747 220 33	
Yates Pet, etal. (1) (9 aco) (1) (9 aco) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		Aliserte Justice 13474	79724. 499.924 * 17 124. (13 124. 28.777 6 Varys 17052 (14 12 12 12 12 12 12 12 12 12 12 12 12 12	1 34. Januar Jartan, Cipture, 5 Yates Pet, Hol Varene Pet, Pati And Sala	Paga Frad Amtex Ener eta	1
55	50 50 50 50 50 50 50 50 50 50 50 50 50 5	Siete 0 E.G 12 15 19 0 + 1 - 1 - 1 - 2 - 5 - 5 1 - 5 - 5 - 5		4100	31314 3 [Guerrer 17] 10 [Guerrer 17] 1	
2evon Yotes Pet, etal Ener. 9-1-2005 1-2009 9152	Deven Ener. 4 - 1 - 2006 47140 40 40 40 - 2006 47140 40 40	Niatador 9 . 1. 2005 ⊕1 Concha Res. 9 . 1. 2005 ⊕1 3 . 2002 98190 230 <u>90</u> 90 ±	1 1 25 9 1 - 25 8 4 4 4 5 1 3 0 5	Yates Per. 2111 Santa Fe Ener. 5 . 91 Santa Fe Ener. 64603 9 . 1 . 93 126 87 77056	t. i 200 V 5070	\$78:20
260 00 Yares Per 27ai 911 - 703 57ate 4.933 U.S. U.C.E.Argaces 9122 U.S. U.C.E.Argaces 9122	"Trumpeter- St." el State	II S. M.I. Srain U.C. E. Frunces Mills Fam. PrilsT	U S.	J J.S.	Jame 7 175.00 Store	231740 3431134 Congress
90 fred Poat Fred 9 49 9 44 Poat Prod 0 50 6 571 90586 40 5 45 KG5	Lower Devan Ener.	Ar signd Prod Phillips 55572 US Min 7 5000 Wm. 170 US Min 7 Wm. 170 US Min 7 Will Frances Will Frances	Marcio, Phillips etal 10::-33, H8P 36746, 14332	Mirolo Ini, stai 85937	Paga Prod 3 1 2000 4 4617	
	L R French)	Margio	Marale, etal 10:193 56746		34 Jan 1 162 00	
BSTON RUD	Sana (Sana Sana Sana Sana Sana Sana Sana	Maralo C = -1Q G F Frencens G F F Frencens G F F Frencens G F F F Frencens G F F F F F F F F F F F F F F F F F F F	erol 21 PROHIBIT	TON FED UNIT	Al ister fl 7 Pras i mitchall Pras Page Providence Sar Pras Carlo Sar Pras Carlo Sar	
	Phillips State (1) 27 29 29 29 20 U.S. 27229 U.S. 27229 State U.S. 27229 State U.S. 27229 State U.S. 27229 State U.S. 27229 State U.S. 27229 State U.S. 27229 State U.S. 27229 State U.S. 27229 State U.S. 27229 State St	Productor I formation "Emergid-Fied" Prod "U.S	"Prohibition Fod. Unit" U.S	Prohibilion-Fed Ut"	Histor Store	Chevran uge
Stance 17 Sterior Yates Per, etal Serveral 66140 SAC	Yates Pet, etal 7/4 VB-134 Aex	Strata Prod. (Mabil) teg754 17835 3 alisec.	Maralo. Inc. etal \$5937	Poac Prod. (M88 845.//2) 58440	Pogo Prod	Poue (Crevror
E LIVINGSTON RIDGE UNIT	3 7 5+0 € 16 ₽12 €	Angene Fed	"Promoi han-Fed " 5 - 5 - 5 - 5 - 5 - 5		31 mil 7 L 4750	24443 507 /
(Way Correction of the correct	5 Pr5a a ²	Marcury Expl., Strete And e 101 (Herrury Expl.) 5 to 15,113 (Grant Construction) 5 mm 6: P212 (Fill (Grant Construction) 5 mm 6: P212 (Fill (Grant Construction)) 5 mm 7: P212 (Fill (Grant Const	ESG Ars. 14 [EOG RES (Exacts) ***036 '**7 ** * * * *	almes fer	al manual	•'=
"Aller Vasiler Cleary-Fed." U.S.	* XINI - 57* P113 P102 * 5 500 * 220	32 ** Jan Connelly-		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Since	"Intis
A.R Co. 19 Gerty 13 Cities Serv. Yotes 018368	Getta Jii'g 3 5 mate 5 Cities Serve, 49 peg Prod. and A 7 Co '3 (Excon) (R E. Con) Yates Pet. 7 asg (serthand	(Exxan) Pago Prod. Strata Prod. (Exxon) 12058	EOR Res.	1	Pogo Prod Pogo Prod 1.1.2005 7 1 2005 946 24 V 2008	2 U S
Yares 01396	etal 1 to Morr		Con a			1.J. 1 2
Cises (Culturison Strong Fred Strong Constants Strong Stro	(1632 (1632 (17313 (1632 (17313) (23 International Contract	Jackaiape - 1 (14 - 19 500) 3 to (Morel X ca) - 24 Cong on 10 (Morel X ca) - 24 Cong on C.X. (rainer C.A. (rainer C.A. (rainer)	19 1 1	LS-M
US. Iteran	U.S. Cercion-Fed	Cercion Fed us * Prize-Fed.*	L Fed Com. 1187 F23.71	Concho Res. 91613 Checkers Creckers - Red Tora Fed Fad Cancho - Red Tora - 1 (g (Cancho - Red Tora - 1 (g (Cancho - Red Tora - 1 (g (Cancho - 1)) (g (Cancho -	Srare 23 3775	10000 10000 10000 10000
Santa FelEner - Gerry Gil S -1 - 2005 - A - Co 96356 - 39000 - Count Sanuta	Gerry Ori 103 Pogo (10014) A R Co (SWO) 500 59377	Poso 3 (Exxon) 8127* €9375 9 200 200 0 2 exts 1 0 2 exts 1 0 66 220	1000 - 101 - 100 Prode 184	(Post	(Cai-Mon stai) v.3526 (Pado Jra) v.3526	5e= '2
Per zigi 11: 235 Variowi	Cities Serving Tates Per etak		PCI A HORE FROM	(1) 41.1 (4) (5 Paga 2-ad 84.397 P72 2379 - 4 0154. 5 1 Tion 3 P92 5	461 ≥ 9100 (Programmer) 1 2000 Roissis 1 2000 Tolisio 1 2000 (Programmer) 1 2000 (Progr	,
29	Cancho Res. Pioz . 3 - 1 - 2036 . Pioz . 96238 . Red TankFrg. 210 32	6 PIGS 7 9130 Fisa	26 Colorection 10 10 10 10 10 F530 (Proj 10 4 0 10 10 0 10 4 0 10 10 0 10 10	(mg) 36 25 (mg) 26 (mg) 37 (mg) 27 (mg) 37	Ъ <i>Г:б</i> ат № — — 30 Фё́ю	۲۰۰۰ ۲۰۰
2 ت		101 U.S	5 "Red Tonin - 21 Coningron - 500" Fla U.S 11 Annual	34 (WS (WS) alog Cuviniton Terg.* 4 (ms) (WS (WS) 4 (ms) (WS (WS)) 4 (J (WS)) 4 (J (WS)) 4 (J (WS)) 4 (J (WS)) 4 (WS) 4 (WS)	ara 44 ara Tank St = (MB) State Keller RY.(S)	Yerris her 2011 11 15
		13 2000 2730. 714 014 01 3 77060 2001 777	Pogo Prod SA	Annineri (120 Aes ma	* (1978) * (1978) * 718 Pogo Prod	
ALT			1 - 3/3 - 3/4	Sheriji Shore Baorga Arageveni 17555 Shearga S	4-3527 984 î 392	
¥ IVNGSTON I	u Rover, se		35 ****	36 5360 56 56	³ 7 مىيىد	4 C (70) 10 4
" Latus: St Sname	" and "ank" (2) Frd."	1007 Red Tank Fed" (100 100 100 100 100 100 100 100 100 10	Red Tanir Fea Counaron Fea .	Smell-St, Lucia Jier-St Stein 7	Red Tank-St 31	÷.
1) м (UEU) м (UE0) м	Poge Prog . Texaco	Pago Prod Pago Prod Pago Prod	nam name Mana Jana P Vates Petrenai	د (۱۳۹۲ و ۲۵ ۲۳ می می مر مدی ۱۳۹۹ و ۲۹ ۲۳ می می مر مدی ۱۳۹۹ و ۲۹۹۹ و ۲۹۹۹	4 0	Seaboard J
- 500	Post Prat. Au Post Prat. Au Value 4	107047 107047 107341 107441	vø 196	ن به موجع که که کې		150 93
2 Liilie Yates 1 9 1 95 1 62223	Page Print				المعرب مراجع من المعرب من الموريم المعرب من المعرب المعرب من من المعرب م معرب من من المعرب من	474 2r. 474 20073
U S.	/ 44 - 50 - 500 / 04 - 510 - 500 V 1 U.S. Gruno	U_S.	State		IIBIT "A-1"	
Teracj ###	Concho Res 3 - 1007 93192 160 -		500 Yates 727 etai		LE RADIUS MAP	
-99×9	Stutute Constraints	Ex xon Cent Se	©' Gottan	POGO PR BUOTLEG "24	ODUCING COMPANY "FEDERAL COM.	<i>∦</i> , 1
: JACAD XES - 8	g Arnearage	195200 S1 25200 UV 2/4 7 7 06 UV	rece Fred. Strata Prod	UNIF "L" T22S-R32E	SECTION LEA CO.	24
350 🙅 * Tamcak Fed *		Strate Prod 1	aperari pro Dene. Dy Disc. di Guide di Wabangara		LLA CU.	19171







- ∽ Wind Direction Indicators (wind sock or streamers)
- △ H2S Monitors (alarms at bell nipple and shale shaker)
- Briefing Areas
- Remote BOP Closing Unit
- □ Sign and Condition Flags

EXHIBIT "D" RIG LAY OUT PLAT
POGO PRODUCING COMPANY BOOTLEG "24" FEDERAL COM. # 1
UNIT "L" SECTION 24 T22S-R32E LEA CO. NM



ARRANGEMENT SRRA

1500 Series 5000# Working Pressure

EXHIBIT "E" SKETCH OF B.O.P. TO BE USED ON	
POGO PRODUCING COMPANY BOCTLEG "24" FEDERAL COM. # 1 UNIT "L" SECTION 24 T22S-R32E LEA CO. NM	



EQUIPMENT Accumulators

Page 2



FIGURE K6-1. The schematic sketch of an accumulator system shows required and optional components.



FIGURE K4-2. Typical choke manifold assembly for 5M rated working pressure service - surface installation.

> EXHIBIT "E-1" CHOKE MANIFOLD & CLOSING UNIT 5,000 PSI

POGO PRODUCING COMPANY BOOTLEG "24" FEDERAL COM. 3 1 UNIT "L" SECTION 24 mona <u>~~</u>

ļ





Section K1 Page 3



FIGURE K1-3. Recommended IADC Class 10 BOP stack arrangement SRSRRA, 10,000 psi WP. Lower drilling spool is optional with outlets on lower ram. Annular preventers 10,000 psi.

EXHIBIT SKETCH OF B.O.P 10,00	. TO BE USED	ON
POGO PRODUC	ING COMPANY	
BOOT LEG "24"	FEDERAL COM.	# 1 ;
UNIT "L"	SECTION	24
T22S-R32E	LEA CO,	NM





