UNITED STATES DEPARTMENT OF THE INTERIOR

OMB NO. 1004-0136

1200 Sx. circulate to surface

1750 Sx

* *

(Other instructions on reverse side) Expires: February 28, 1995

	BUREAU OF	LAND MANAG	EMEN	01 W. (<u> </u>	Avor	NM-57273	ion and sected no.
APPL	ICATION FOR P	ERMIT TO D	RILL	AGRADE		99011	6. IF INDIAN. ALLOS	TTEE OR TRIBE NAME
1a. TYPE OF WORK	ILL X	DEEPEN [7		- # A 18 A 1	9051	7. UNIT AGREEMEN	T NAME
D. TYPE OF WELL OIL G	SECRET OTHER	ARY'S POT	TASH	CLE X	MULTIPI ZONE		8. PARM OR LEASE NAME	WELL NO.
POGO PRODUCIN	G COMPANY	(RICHARD	WRIGH	IT 432-68	35-8140		PALLADIUM "7	" FEDERAL# 1
3. ADDRESS AND TELEPHONE NO. P.O. BOX 1034	O MIDLAND, TEX	\c' 70702_73/	0 ' (/	.22 605 0	100)		30 -015 \ 10. FIELD AND POOR	
4. LOCATION OF WELL (R At surface	eport location clearly and	in accordance with	h any St	ate requireme	"RECE	IVED	SAND DUNES D	ELAWARE SOUTH
At proposed prod. zon	SATIE (- 24 - 3		6	FEB 2		SECTION 7	T24S-R31E
	and direction from NEA 30 miles East of			•		F F Ca. (8) 60 T	12. COUNTY OR PAR	NEW MEXICO
15. DISTANCE FROM PROPI LOCATION TO NEARES PROPERTY OR LEASE I (Also to nearest dr)	T LINE, FT.	660'	16. NO.	of acres in	LEASE	17. No. 0	F ACRES ASSIGNED	0
18. DISTANCE FROM PROF TO NEAREST WELL, D OR APPLIED FOR, ON TH	RILLING, COMPLETED,	1100'		POSED DEPTH		20. ROTARY	Y OR CABLE TOOLS	
21. ELEVATIONS (Show wh							WHEN APPROV	WORK WILL START*
23.		PROPOSED CASIN	G AND	CEMENTING	PROGRAM	CARLSB	AD CONTROLLE	D WATER BASIN
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FO	от	SETTING D	EPTH		QUANTITY OF CE	MENT
25!!	Conductor	NA		40	11	Cement	to surface	W/Redi-mix.

1. Drill 25" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix.

48

32

17 & 15.5

3/8"

13

51/2"

175"

7 7/8"

11."

H-40

J - 55

2. Drill $17\frac{1}{2}$ " hole to 975'. Run and set 975' of 13 3/8" 48# H-40 ST&C casing. Cement with 1000 Sx. of Class "C" 65/35/6 POZ GEL, tail in with 200 Sx. of Class "C" cement + 2% CaCl, circulate cement to surface.

WITNESS

WITNE

975

4150'

83001

- 3. Drill 11" hole to 4150'. Run and set 4150' of 8 5/8" 32# J-55 ST&C casing. Cement with 1000 Sx. of 65/35/6 Class "C" POZ GEL + 5% salt, tail in with 200 Sx. of Class "C" cement + 2% CaCl, circulate cement to surface.
- 4. Drill 7 7/8" hole to 8300'. Run and set 8300' of $5\frac{1}{2}$ " casing as follows" 2300' of $5\frac{1}{2}$ " 17# J-55 LT&C, 5000' of 5½" 15.5# J-55 LT&C, 1000' of 5½" 17# J-55 LT&C casing. Cement in 3 stages with DV Tools at 5800' & 3700'±. Cement 1st stage with 650 Sx. of Class "H" cement + additives, cement 2nd stage with 600 Sx. of Class "C" cement + 8# of Gilsonite/Sx., cement 3rd stage with 400 Sx. of Class "C" 65/35/6 POZ GEL,

tail in with 100 Sx. of Class	s "C" cement + 1% CaCl, circulate ce	ment to surface.
N ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If propo	mal is to deepen, give data on present productive zone and proposed ne d measured and true vertical depths. Give blowout preventer program, if a	w productive zone. If proposal is to drill or any.
24.	APPROVAL SUBJEC	110
SIGNED / COT your	GENERAL REQUIRE	MENTS 10/19/04
(This space for Federal or State office use)	ATTACHED	
PERMIT NO.	APPROVAL DATE	
Application approval does not warrant or certify that the applicant CONDITIONS OF APPROVAL, IF ANY:	t holds legal or equitable title to those rights in the subject lease which would ${f ACTING}$	dentitle the applicant to conduct operations thereo
/s/ Jesse I Tuen	STATE DIRECTOR	FEB 1 5 2005

*See Instructions On Reverse Side

RICT I
1625 N. French Dr., Hobbs, NM 88240
DISTRICT II

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised March 17, 1999

Submit to Appropriate District Office

Submit to Appropriate District Office State Lease — 4 Copies Fee Lease — 3 Copies

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

811 South First, Artesia, NM 88210

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code Pool Name		
	53818	SAND DUNES DELAWARE-SOUTH	
Property Code	Property Name		Well Number
	PALLADIU	M "7" FEDERAL	11
OGRID No.	Operator Name		Elevation
17891	POGO PROI	3532'	

Surface Location

UL or lot No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
LOT 4	7	24 S	31 E		660	SOUTH	660	WEST	EDDY

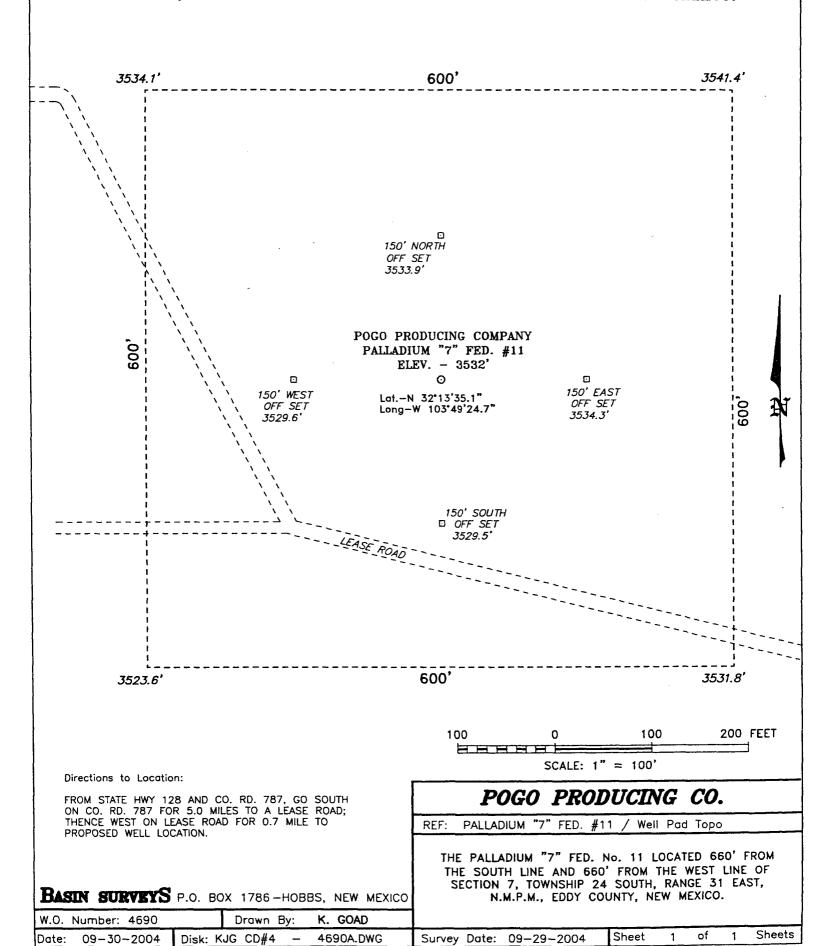
Bottom Hole Location If Different From Surface

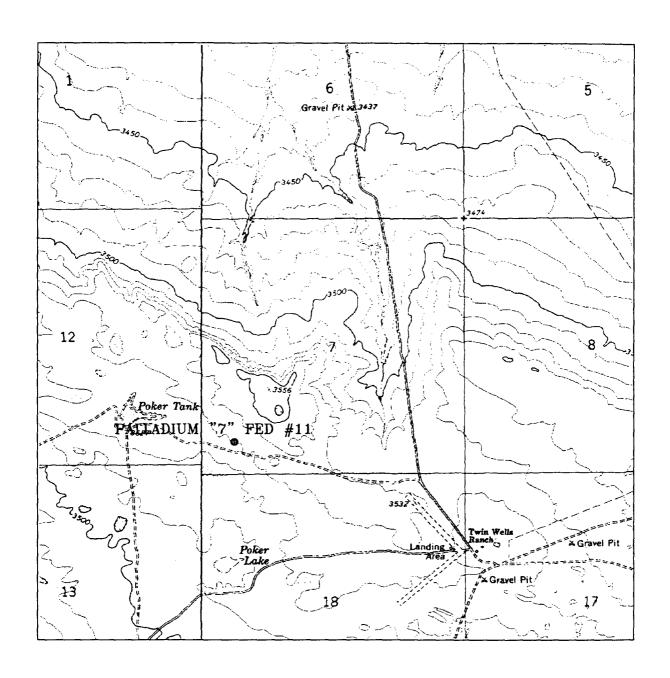
Double Hote Boundary II Billion I Tom Daniel									
UL or lot No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint o	or Infill C	onsolidation	Code Or	der No.			<u></u>	<u> </u>

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

		OPERATOR CERTIFICATION
]	l 3	I hereby certify the the information
]		contained herein is true and complete to the best of my knowledge and belief.
l i l	 	
1 i	! !	
107.1 41.75.40	i	LOOT Janica
LOT 1 - 41.75 AC.		Signature
1	į	Joe T. Janica Printed Name
!	1	Agent
	l	Title 10/19/04
]	10/19/04 Date
	!	
LOT 2 - 41.78 AC.		SURVEYOR CERTIFICATION
LOT 3 - 41.80 AC.) 1	I hereby certify that the well location shown
	·	on this plat was plotted from field notes of actual surveys made by me or under my
i l	1 [supervison, and that the same is true and
i l	i	correct to the best of my belief.
1	i	SEPTEMBER 29, 2004
	İ	Date Surveyed
LOT 4 - 41.83 AC.		Signature & Scall of ON
3534.1' 3541.4'		THE WASHINGTON
	ļ.	1 GOO REPTIME
Lat.: N32°13'35.1" Long.: W103°49'24.7"	<u> </u>	W.b. No. 4690
	EXHIBIT "A"	
3523.6' \$ 3531.8'		Certificate No. Gary Jones 7977
	1	SURVE S

SECTION 7, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO.





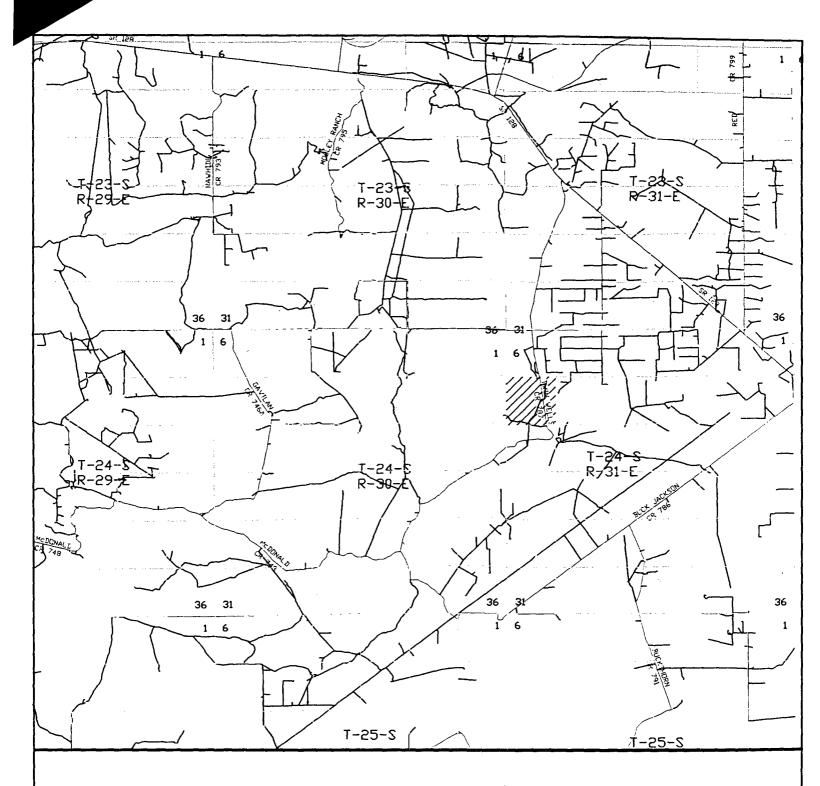
PALLADIUM "7" FEDERAL #11 Located at 660' FSL and 660' FWL Section 7, Township 24 South, Range 31 East, N.M.P.M., Eddy County, New Mexico.



P.O. Box 1786 1120 N. West County Rd. Hobbs, New Mexico 88241 (505) 393-7316 — Office (505) 392-3074 — Fax basinsurveys.com

W.O. Number:	4690AA — KJG CD#5
Survey Date:	09-29-2004
Scale: 1" = 20	000'
Date: 09-30-	2004

POGO PRODUCING COMPANY



PALLADIUM "7" FEDERAL #11 Located at 660' FSL and 660' FWL Section 7, Township 24 South, Range 31 East, N.M.P.M., Eddy County, New Mexico.



P.O. Box 1786 1120 N. West County Rd. Hobbs, New Mexico 88241 (505) 393—7316 — Office (505) 392—3074 — Fax basinsurveys.com

W.O. Number:	4690AA - KJG CD#5
Survey Date:	09-29-2004
Scale: 1" = 2	MILES
Date: 09-30-	2004

POGO PRODUCING COMPANY

APPLICATION TO DRILL

POGO PRODUCING COMPANY PALLADIUM "7" FEDERAL # 11 LOT # 4 SECTION 7 T24S-R31E EDDY 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 of well: 660' FSL & 660' FWL SECTION 7 T24S-R31E EDDY CO. NM
- 2. Ground Elevation above Sea Level:
- 3. Geological age of surface formation: Quaternary Deposits:
- 4. <u>Drilling tools and associated equipment:</u> Conventional rotary drilling rig using drilling mud as a circulating medium to remove solids from hole.
- 5. Proposed drilling depth: 8300'
- 6. Estimated tops of geological markers:

Rustler Anhydrite	930'	Cherry Canyon	5160'
Base of anhydrite	4020'	Manzanita	5340 ¹
Delaware Lime	4240 '	Brushy Canyon	6400 '
Bell Canyon	4260'	Bone Spring	8070 '

7. Possible mineral bearing formations:

Brushy Canyon Oil
Bone Spring Oil

8. Casing Program:

Hole Size	Interval	OD of Casing	Weight	Thread	Collar	Grade
25"	0-40	20''	NA	NA	NA	Conductor
17½"	0-975'	13 3/8"	48	8-R	ST&C	H-40
11"	0-4150 f	8 5/8"	32	8-R	ST&C	J - 55
7 7/8"	0-8300'	5½"	17 & 15.5	8-R	LT&C	J-55

APPLICATION TO DRILL

POGO PRODUCING COMPANY
PALLADIUM "7" FEDERAL # 11
LOT # 4 SECTION 7
T24S-R31E EDDY CO. NM

9. CEMENTING & CASING SETTING DEPTHS:

20"	Conductor	Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
13 3/8"	Surface	Set 975' of 13 $3/8$ " $48\#$ H-40 ST&C casing. Cement with 1000 Sx. of Class "C" $65/35/6$ POZ GEL tail in with 200 Sx. of Class "C" + 2% CaCl, circulate cement to surface.
8 5/8"	Intermediate	Set 4150' of 8 5/8" 32# J-55 ST&C casing. Cement with 1000 Sx. of Class "C" 65/35/6 POZ GEL + 5% Salt, tail in with 200 Sx. of Class "C" cement + 2% CaCl, circulate cement to surface.
5½"	Production	Set 8300' of 5½" 17 & 15.5# J-55 LT&C casing. Cement in 3 stages with DV Tools at 5800' & 3700'±. Cement 1st stage with 650 Sx. of Class "H" cement + additives, cement 2nd stage with 600 Sx. of Class "C" cement + 8# of Gilsonite /Sx., cement 3rd stage with 400 Sx. of Class "C" 65/35/6 POZ GEL, tail in with 100 Sx. of class "C" cement + 1% CaCl, circulate cement to surface.

10. PRESSURE CONTROL EQUIPMENT:

Exhibit "E" shows a 2000 PSI working pressure B.O.P., consisting of a stripper head instead of an annular preventor, blind rams, and pipe rams. This B.O.P. stack is being used because of Substructure height limitations of the drilling rig being used to drill this well. Pressures encountered during drilling are not expected to exceed 1700 PSI at total depth. Pogo requests permission to 3rd party test of the B.O.P., after setting intermediate casing at 4150'. The B.O.P. will be tested according to API soecifications. Exhibit "E-1" shows a manually operated choke manifold, as no remote B.O.P. equipment will be necessary.

11. PROPOSED MUD CIRCULATING SYSTEM:

DEPTH	MUD WT.	VISC.	FLUID LOSS	TYPE MUD
40-975'	8.4-8.7	29-34	NC	Fresh water Spud mud add paper to control seepage.
975-4150'	10.0-10.2	29–38	NC	Brine water ann paper to control seepage and use high viscosity sweeps to clean hole.
4150'-8300'	8.4-8.7	29~40	NC*	Fresh water add Gel to control viscosity and use high viscosity sweeps to
	may have to be o			clean hole. Use a Poly- mer to control water loss.

APPLICATION TO DRILL

POGO PRODUCING COMPANY
PALLADIUM "7" FEDERAL # 11
LOT # 4 SECTION 7
T24S-R31E EDDY CO. NM

12. LOGGING, CORING, AND TESTING PROGRAM:

- A. Open hole logs: Run Dual Induction, LDT, SNP, Gamma Ray, Caliper from TD back to 8 5/8" casing shoe.
- B. Run cased hole logs Gamma Ray, Neutron from 8 5/8" casing shoe back to surface.
- C. No DST's or cores are planned at this time.
- D. Rig up mud logger on hole after 8 5/8" casing is run and remain on hole to TD.

13. POTENTIAL HAZARDS:

No abnormal pressures or temperatures are expected. There is no known presence of $\rm H^2S$ in this area. If $\rm H^2S$ is encountered the operator will comply with the provisions of Onshore Oil and Gas Order No. 6. No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Estimated BHP 1800± PSI, and Estimated BHT 160°.

14. ANTICIPATED STARTING DATE AND DURATION OF OPERATION:

Road and location construction will begin after the BLM has approved the APD. Anticipated spud date will be as soon after BLM approval and as soon as a rig will be available. Move in operation and drilling is expected to take 25 days. If production casing is run then an additional 30 days will be needed to complete well and construct surface facilities and/or lay flowlines in order to place well on production.

15. OTHER FACETS OF OPERATIONS:

After running casing, cased hole Gamma Ray, Neutron Collar logs will be run from TD back to all possible productive zones. The Bone Spring formation will be perforated and stimulated in order to establish production. The well will be swab tested and potentialed as an oil well.

HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

- 1. All Company and Contract personnel admitted on location must be trained by a qualified H₂S 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. H₂S 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" & "E-1"
- 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 the location is near to a dwelling a closed DST will be performed.

- 8. Drilling contractor supervisor will be required to be familiar with the effects H2S has on tubular goods and other mechanical equipment.
- 9. If H₂S 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 H₂S scavengers if necessary.

POGO PRODUCING COMPANY
PALLADIUM "7" FEDERAL # 11
LOT # 4 SECTION 7
T24S-R31E EDDY CO. NM

- 1. EXISTING ROADS & PROPOSED ROADS: Area maps; Exhibit "B" is a reproduction of a County General Hi-way Map. Exhibit "C" is a reproduction of a USGS Topographic Map, showing existing 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.
 - 3. From Hobbs New Mexico take U.S. Fi-way 62-180 West toward Carlsbad New Mexico go approximately 40 miles to the WIPP road, turn Left on to the WIPP road go South 13 miles to CR-802, turn Right go go 4.2 miles to State Hi-way 128, turn Left go 2.4 miles to CR-787 (Twin Wells Road) turn Right go 5 miles turn Left (West) go .8 miles to location on the North side of road.
 - C. Exhibits "C & "F" shows the proposed roads flowlines and powerlines.
- 2. PLANNED ACCESS ROADS: No new road will be required.
 - A. The access roads will be crowned and ditched to a 12' wide travel surface with a 40' Right-of-Way.
 - 3, Gradient of all roads will be less than 5.00%.
 - C. If turn-outs are necessary they will be constructed.
 - D. If needed roads will be surfaced with a mimimum of 4" of caliche. This material will be obtained from a local source.
 - E. Center-line for new roads will be flagged. Earth-work will be will be done as field conditions require.
 - F. Culverts will be placed in the access road if they are necessary. The roads will be constructed to utilaze low water crossings for drainage as required by topography.
- 3. LOCATIONS OF EXISTING WELLS IN A ONE MILE RADIUS. EXHIBIT "A-1"
 - A. Water wells One approximately 9 miles East of location.
 - 3. Disposal wells -None known
 - C. Drilling wells -None known
 - D. Producing wells -As shown on Exhibit "A-1"
 - E. Abandoned wells -As shown on Exhibit "A-1"

POGO PRODUCING COMPANY
PALLADIUM "7" FEDERAL # 11
LOT # 4 SECTION 7
T24S-R31E EDDY CO. NM

4. If on completion this well is a producer the operator will lay pipelines and construct powerlines along existing road R-O-W's or other existing R-O-W's. Possible routes of pipelines, flowlines and powerlines are shown on Exhibit "C" & "F".

5. LOCATION AND TYPE OF WATER SUPPLY:

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

6. SOURCE OF CONSTRUCTION MATERIAL:

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

7. METHODS OF HANDLING WASTE MATERIAL:

- A. Drill cuttings will be disposed of in the reserve pits.
- B. All trash, junk and other waste material will be contained in trash cages or trash 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 the supplier, including broken sacks.
- D. Waste water from living quaters will be drained into holes with a minium of 10'. These holes will be covered during drilling and will be back filled when the well is completed. A Porto-John will be provided for the rig crews. This equipment will be properly maintained during the drilling and completion operations and will be removed when all operations are complete.
- E. Remaining drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry enough to be broken out for furthed drying. If the drilling fluids do not evaporate in a reasonable time they will be hauled off by transports to a state approve disposal site. Later pips will be broken out to speed drying. Water produced during completion will be put in reserve pits. Oil and condensate produced will be put in storage tanks and sold.

8. ANCILLARY FACILITIES:

A. No camps or air strips will be constructed on location.

POGO PRODUCING COMPANY
PALLADIUM "7" FEDERAL # 11
LOT # 4 SECTION 7
T24S-R31E EDDY CO. NM

9. WELL SITE LAYOUT:

- A. Exhibit "D" shows the proposed well site layout.
- B. This Exhibit shows the location of reserve pit, sump pits, and living facilities.
- C. Mud pits in the active circulating system will be steel pits and the reserve pits will be unlined unless subsurface conditions encontered during pit construction indicate that a plastic liner is required to contain lateral migration.
- D. If needed the reserve pits will be lined with polyethelene. The pit liner will be no less than 6 mils thick and the liner will be extended at least 3 feet over the top of the dikes and secured in place to keep edge of liner in place.
- E. The reserve pit will be fenced on three sides and fenced with four strands of barbed wire during drilling and completionphases. The 4th side will be fenced after drilling operations are complete and the drilling rig has moved out. If the well is a producer the mud pits will remain fenced in until the mud has dried up enough to break out the pits and reclaimed according to BLM requirements.

10. PLANS FOR RESTORATION OF SURFACE:

Rehabilitation of the location and reserve pits will be allowed to dry properly, fluids may be moved and disposed of in accordance with article 7-E 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 furture erosion. In case of the well completed as a producer the drilling pad will be necessary to construct production facilities. After the area has been shaped and contoured top soil from the spoil pile will be placed over the disturbed area to the extent possible so that revegetation procedures can be accomplished to comply with the BLM specifications.

If the well is a dry hole the pad and road area will be contoured to match the existing terrain. Top soil will be spread to the extent possible and revegetation will be carried out according to the BLM specifications.

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
PALLADIUM "7" FEDERAL # 11
LOT # 4 SECTION 7
T24S-R31E EDDY CO. NM

11. OTHER INFORMATION:

- A. Topography has a slight dip to the North. Vegetation consists of catclaw, creosote, acacoa, "gyp coldenia, mesquite, prickly pear, various native grasses. Soil is tan in color, tan/brown/grey loamysandy silts mixed with caliche nodules.
- B. Surface is owned by the U.S. Department of Interior and is administered by the Bureau of Land Management. The surface is leased to ranchers for grazing of live stock.
- C. An archaeological survey will be conducted and the results will be filed with The Bureau of Land Management Carlsbad Field office in Carlsbad NM.
- D. There is a ranch dwelling approximately .8 miles East of location.

12. OPERATORS REPRESENTIVE:

Before construction:

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

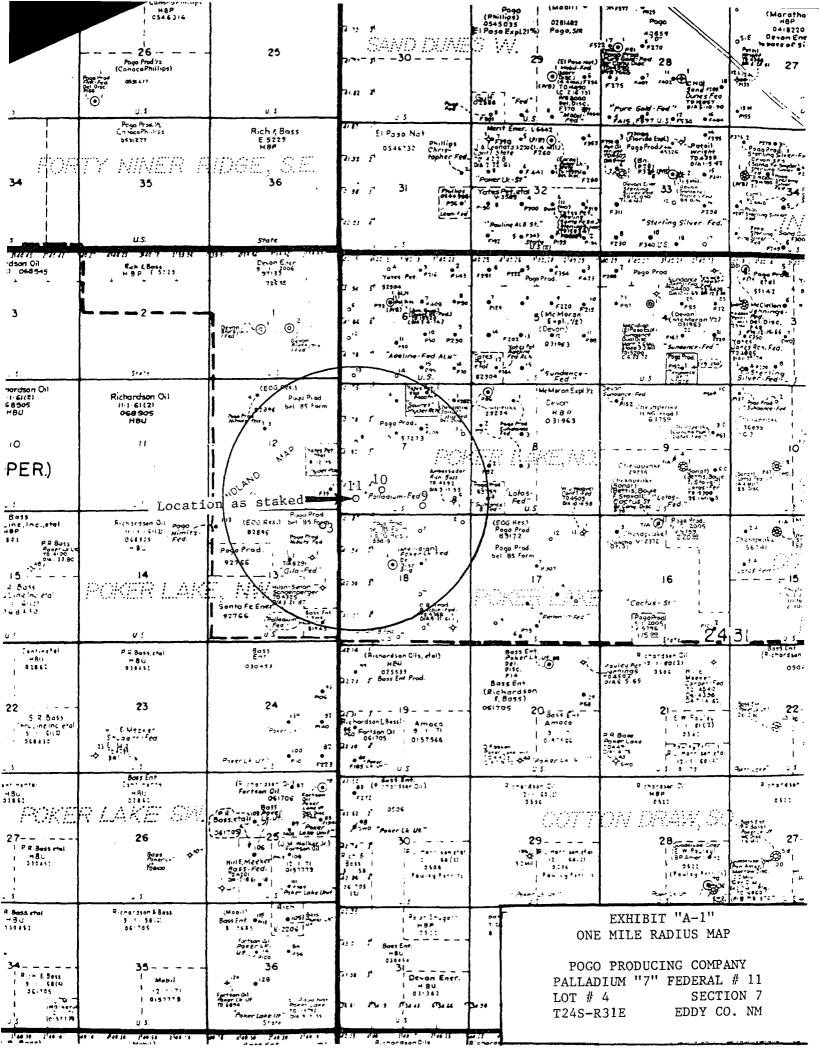
During and after construction:

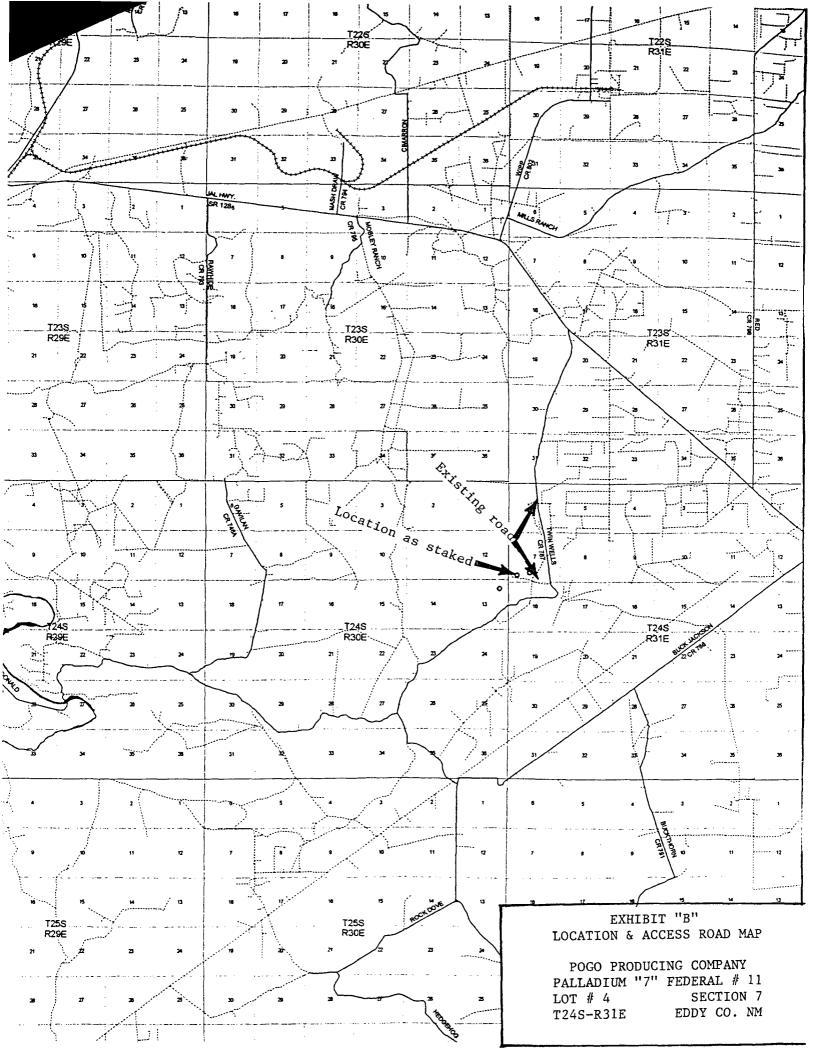
POGO PRODUCING COMPANY P.O. BOX 10340 MIDLAND, TEXAS 79702-7340 RICHARD WRIGHT OFFICE PHONE 915-685-8140

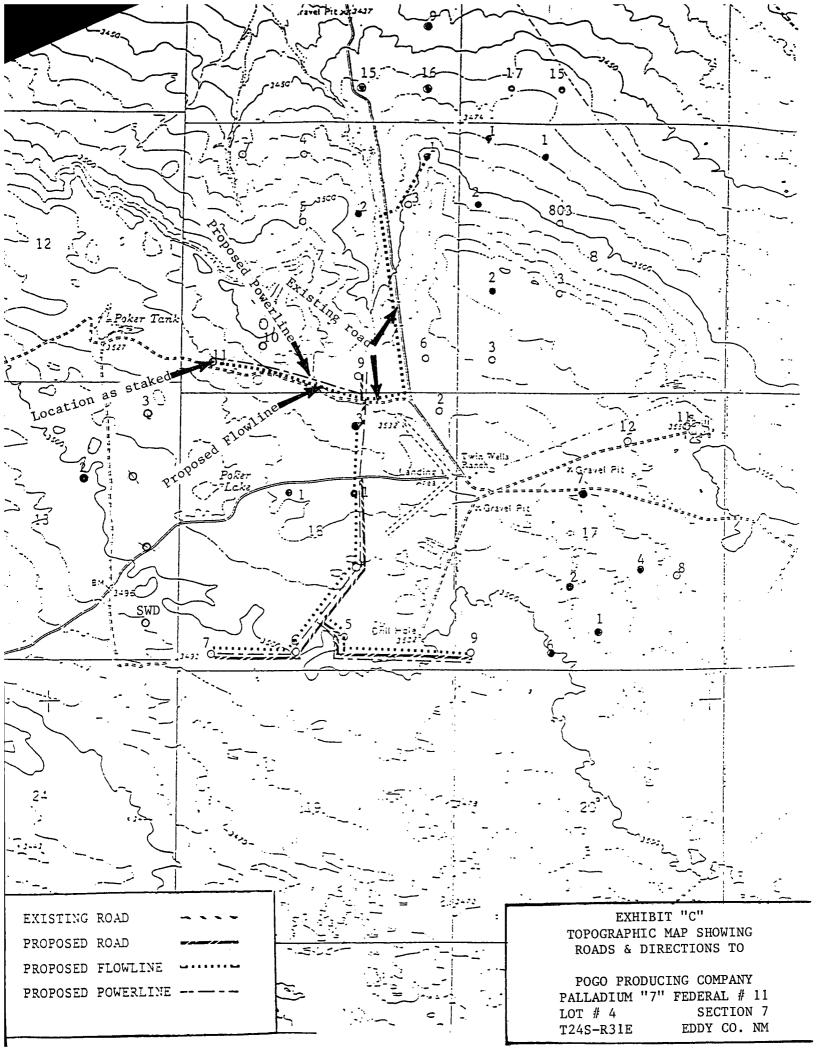
13. CERTIFICATION: I hereby certify that I or persons under my direct supervision have inspected the proposed drill site and access route, that I am familiar with the conditions which currently exist, that the statements made in this plan are to the best of my knowledge, are true and correct, and that the work associated with the operations proposed herein will be performed by POGO PRODUCING COMPANY it's 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 provision of U.S.C. 1001 for the filing of a false statement.

NAME : Joe T. Janica Con temple to DATE : 10/19/04

TITLE : Agent







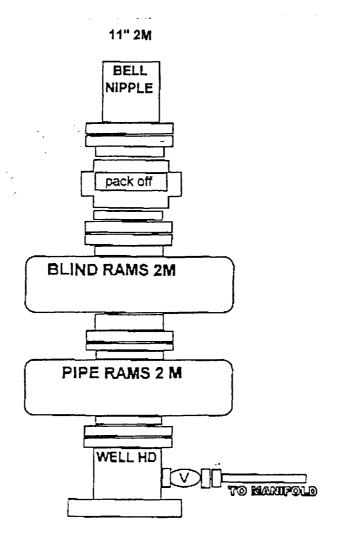


EXHIBIT "E"
SKETCH OF B.O.P. TO BE USED ON

POGO PRODUCING COMPANY
PALLADIUM "7" FEDERAL # 11
LOT # 4 SECTION 7
T24S-R31E EDDY CO. NM

CHOKE MANIFOLD

3000 PSI WP

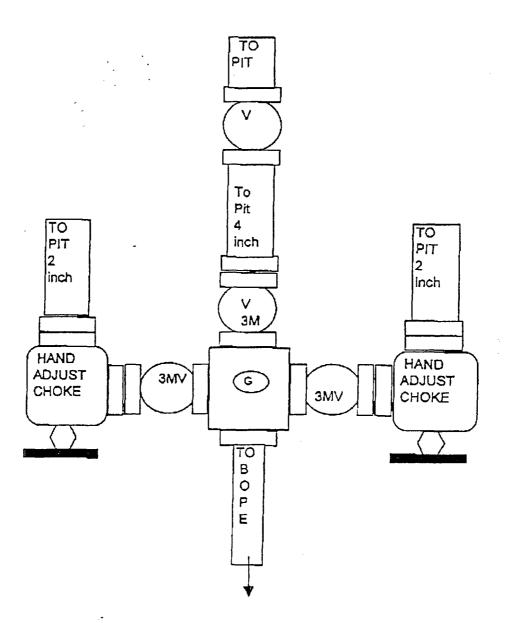


EXHIBIT "E-1"
CHOKE MANIFOLD & CLOAING UNIT

POGO PRODUCING COMPANY
PALLADIUM."7" FEDERAL # 11
LOT # 4 SECTION 7
T24S-R31E EDDY CO. NM