

UNITED STATES N.M. Oil Onter 12 2 OMB NO. 1004-0136 DEPARTMENT OF THE INTESORW. Grand Avenue Designation and Serial RIPE ALL OF LAND MAPPROVED FORM APPROVED OMB NO. 1004-0136 REPLACE DESIGNATION AND SERIAL REPLACE DESIGNATION AND SERIAL

	BUREAU OF	LAND MANA	SEME	Artesia, NM L OR DEEPEN	2001 2001	NM-57273	NO. AND BESIAL RO.
APPL	ICATION FOR P	ERMIT TO	DRIL	L OR DEEPEN	0021	6. IF INDIAN, ALLO	TTEE OR TRIBE NAME
b. TYPE OF WELL	ILL 🖾	DEEPEN (inghe [7] Multip	is (7. UNIT AGREEMEN	
OIL X G WELL X TO THE TOTAL OF	VELL OTHER		O I F	NGDE ZONE	<u> </u>	8. FARM OR LEASE NAM	
POGO PRODUCIA	NG COMPANY	(RICHARD	WRIG	HT 432-685-8140)		9. API WELL NO.	" FEDERAL # 9
3. ADDRESS AND TELEPHONE NO.			·			30-0	15 -3373
	40 MIDLAND, TEX seport location clearly and			(432-685-8100) State requirements.*))	SAND DUNES	DELAWARE-SOUT
330' FSL & 19 At proposed prod. zon	80' FEL SECTION	7 T24S-R3	1E E	EDDY CO. NMRECE		11. SEC., T., R., M., AND SURVEY O SECTION 7	OR BLM. R AREA T24S-R31E
14. DISTANCE IN MILES	AND DIRECTION FROM NEAR	EST TOWN OR POS	T OFFIC	r.		12. COUNTY OR PAR	ISH 13. STATE
15. DISTANCE FROM PROPORTION TO NEAREST PROPERTY OR LEASE I	T LINE, FT.	of Carlsbad	New 16. NO	Mexico D. OF ACRES IN LEASE 600	17. No. C	EDDY CO. F ACRES ASSIGNED HIS WELL	NEW MEXICO
18. DISTANCE FROM FROM	OSED LOCATION®		19. Pi	HOPOSED DEPTH	20. ROTA	40 RY OR CABLE TOOLS	
TO NEAREST WELL, D OR APPLIED FOR, ON TH	BILLING, COMPLETED. IS LEASE, FT.	320'	8	400.	ROT	CARY	
21. ELEVATIONS (Show who	ether DF, RT, GR, etc.)	0.5.0.1			<u> </u>	22. APPROX. DATE	WORK WILL START
		3538'	GR.			WHEN APPRO	VED
23.		PROPOSED CASI	ng ani	CEMENTING PROGRAM	4		
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FO	оот	SETTING DEPTH		QUANTITY OF C	THERE
25''	Conductor	NA NA		40'	Cement	W/Redi-mix	to surface
17½"	H-40 13 3/8"	48	WIT	NESS 975'		<u>circulate</u>	cement TS
11"	J-55 8 5/8"	32		4150'	1200 S		11 11
7 7/8"	J-55 5½"	<u>17 & 15.5</u>	5	8400'	1750 S	·X •	
	nole to 40'. Se			• -			
600 Sx. of	hole to 975'. R 65/35/6 Class " , + 2% CaCl, cir	C" POZ/Gel,	tai	1 in with 200 Sx			
1000 Sx. of	nole to 4150'. R f 65/35/6 Class 坛# Flocele/Sx.	"C" POZ/Ge1	, +	5% Salt, tail in			
J-55 LT&C, DV Tool at cement with Sx. of 65/3	8" hole to 8400' 5000' of 5½" 15 5800' & 3700'±. h 600 Sx. of Cla 35/6 Class "C" P cement to srufac	.5# J-55 LT Cement 1st ss "C" ceme OZ/Ge1, tai	T&C, sta ent +	1000' of $5\frac{1}{2}$ " 17# ge with 650 Sx. 8# Gilsonite/Sx	/ J-55 of Cla k,. Cem	LT&C. Cement ss "H" cement ent 3rd stag	in 3 stages nt, 2nd stage ge with 400
CARLSBAD C	ONTROLLED WATER	BASIN					
IN ABOVE SPACE DESCRIBI deepen directionally, give perti	E PROPOSED PROGRAM: If pent data on substitution	proposal is to deepen, p s and measured and tr	give data ue vertica	on present productive zone a al depths. Give blowout preven	nd proposed ter program,	new productive zone. if any.	If proposal is to drill or
24.	7-//			APPROVAL	SUBJE		
SIGNED OO	1 Jan	CAR TIT	LEA	genGENERAL R	EQUIR	EMENTOS/0	1/04
	ral or State office use)			AND SPECIA	AL STI	FATVITONS	
/				ATTACHED			

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. CONDITIONS OF APPROVAL, IF ANY: STATE DIRECTOR

1 6 NOV 2004

*See Instructions On Reverse Side

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe. NM 87505 For drilling and production facilities, submit t appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Form C-14

March 12, 20

Santa Fe, NM 87505

Pit or Below-Grad	e Tank Registration or Closure	2					
Is pit or below-grade tank	covered by a "general plan"? Yes No	<u>X</u>					
Type of action: Registration of a pit or b	pelow-grade tank 🔯 Closure of a pit or below-grade	tank [
Operator: Pogo Producing Company 432-685-8100 Address: P. O. Box 10340, Midland, TX 79702-7340 For illity or well-norm: Palladium 7 Fed #9 APL#: UV or Ot/Otr 0 Sec 7 T 24 P 31							
Address: P. O. Box 10340, Midland, TX 79702-	7340						
Facility or well name: Palladium 7 Fed #9 API#:	U/L or Qtr/Qtr O Sec 7 T	24 _R 31					
Facility or well name: Palladium 7 Fed #9 API#: County: Eddy Latitude 32:13:31.9 Nongitude 103	:48:53.3W _{NAD:} 1927 1983 Surface O	wner Federal 📉 State 🔲 Private 🔲 Indian 🔲					
Pit	Below-grade tank						
Type: Drilling 🔀 Production 🗌 Disposal 🗋	Volume:bbl Type of fluid:						
Workover Emergency	Construction material:	RECEIVED					
Lined M Unlined	Double-walled, with leak detection? Yes [] If no	t, explain why not SEP 0 8 2004					
Liner type: Synthetic Thickness 12 mil Clay Volume 16000 bbi		988-AHTERA					
	Less than 50 feet	(20 points)					
Depth to ground water (vertical distance from bottom of pit to seasonal high	50 feet or more, but less than 100 feet	(10 points)					
water elevation of ground water.)	100 feet or more X	(0 points) 0					
W. W. J. Andrian G. G. A. C. Andrian J. C.	Yes	(20 points)					
Wellhead protection area: (Less than 200 feet from a private domestic	No X	(0 points) ()					
water source, or less than 1000 feet from all other water sources.)							
Distance to surface water: (horizontal distance to all wetlands, playas,	Less than 200 feet	(20 points)					
irrigation canals, ditches, and perennial and ephemeral watercourses.)	200 feet or more, but less than 1000 feet	(10 points)					
migation salatio, choice, and percentage and opnominations.	1000 feet or more X	(0 points)					
	Ranking Score (Total Points)	0					
If this is a pit closure: (1) attach a diagram of the facility showing the pit's	s relationship to other equipment and tanks. (2) Indic	ate disposal location:					
onsite offsite from If offsite, name of facility	(3) Attach a general description of remedial ac	tion taken including remediation start date and					
end date. (4) Groundwater encountered: No Yes I If yes, show depth							
and a diagram of sample locations and excavations.		• Section of the sect					
I hereby certify that the information above is true and complete to the best of been/will be constructed or closed according to NMOCD guidelines [A], a Dat 99/07/04	my knowledge and belief. I further certify that the a general permit , or an (attached) alternative (OCD-approved plan 🔲.					
Printed Name/Title Cathy Wright, Sr Eng Tech	Signature Office Multi						
Your certification and NMOCD approval of this application/closure does not otherwise endanger public health or the environment. Nor does it relieve the regulations.							
Approval: Date: SEP 10 2004 Printed Name/Title	Signature						



Water Resources

Data Category: Geographic Area: Site Information **New Mexico**

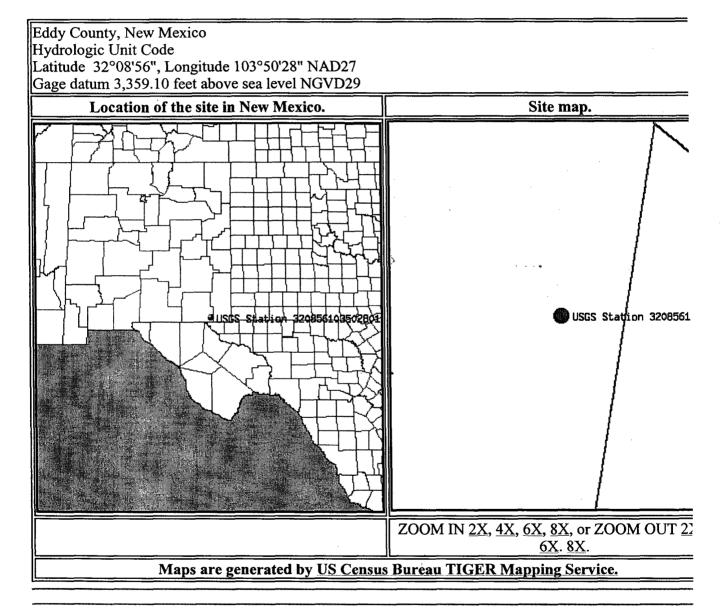
Site Map for New Mexico

USGS 320856103502801 25S.30E.12.113211

Available data for this site

Station site map

GO

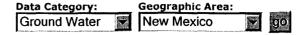


New Mexico NWISWeb Data Inquiries Questions about data Feedback on this websiteNew Mexico NWISWeb Maintainer **NWIS Site Inventory for New Mexico: Site Map** http://waterdata.usgs.gov/nm/nwis/nwismap?

Top **Explanation of terms**



Water Resources



Ground-water levels for New Mexico

Search Results -- 1 sites found

Search Criteria

site_no list = • 320856103502801

Save file of selected sites to local disk for future upload

USGS 320856103502801 25S.30E.12.113211

Available data for this site

Ground-water: Levels



Eddy County, New Mexico **Output formats** Hydrologic Unit Code Table of data Latitude 32°08'56", Longitude 103°50'28" NAD27 Gage datum 3,359.10 feet above sea level NGVD29 Tab-separated data The depth of the well is 482 feet below land surface. Graph of data This well is completed in ALLUVIUM, BOLSON DEPOSITS AND OTHER Reselect period SURFACE DEPOSITS (110AVMB) USGS 320856103502801 25S.30E.12.113211 389,00 2970.00 in feet below surface 389.50 2969.50 390.00 2969.00 390,50 2968.50 391.00 2968.00 391.50 1960 1965 1970 1975 1980 1985 1990 2000 2005 1995 DRTES: 03/25/1959 to 09/04/2004 23:59 Breaks in the plot represent a gap of at least one calendar year between two consecutive points.

Great Circle Calculator.

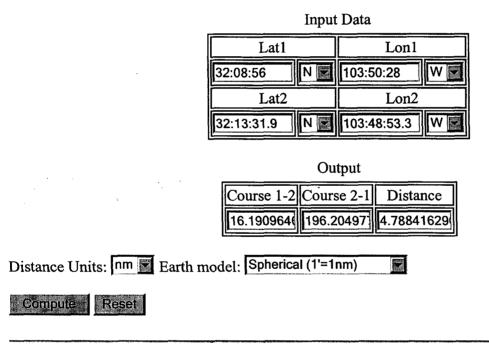
By Ed Williams

You need Javascript enabled if you want this page to do anything useful! For Netscape, it's under Options/Network Preferences/Languages.

Compute true course and distance between points.

Enter lat/lon of points, select distance units and earth model and click "compute". Lat/lons may be entered in DD.DD, DD:MM.MM or DD:MM:SS.SS formats.

Note that if either point is very close to a pole, the course may be inaccurate, because of its extreme sensitivity to position and inevitable rounding error.



Compute lat/lon given radial and distance from a known point

Enter lat/lon of initial point, true course and distance. Select distance units and earth model and click "compute". Lat/lons may be entered in DD.DD, DD:MM.MM or DD:MM:SS.SS formats.

Note that the starting point cannot be a pole.

Input data

Lat1 Lon1

0:00.00 N 0:00.00 W 0

Course 1-2 Distance 1-2

DISTRICT I 1625 N. French Dr., Hobbs, NM 88240 DISTRICT II 811 South First, Artesia, NM 88210

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

Form C-102 Revised March 17, 1999

Submit to Appropriate District Office
State Lease - 4 Copies

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

> 2040 South Pacheco Santa Fe. New Mexico 87504-2088

Fee Lease - 3 Copies

DISTRICT IV 2040 South Pacheco, Santa Pe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Pool Code	Pool Name	
53818	SAND DUNES DELAWARE-SOUTH	
	Well Number	
PALLADI	JM "7" FEDERAL	9
	Operator Name	Elevation
POGO PRO	3538'	
	53818 PALLADIU	

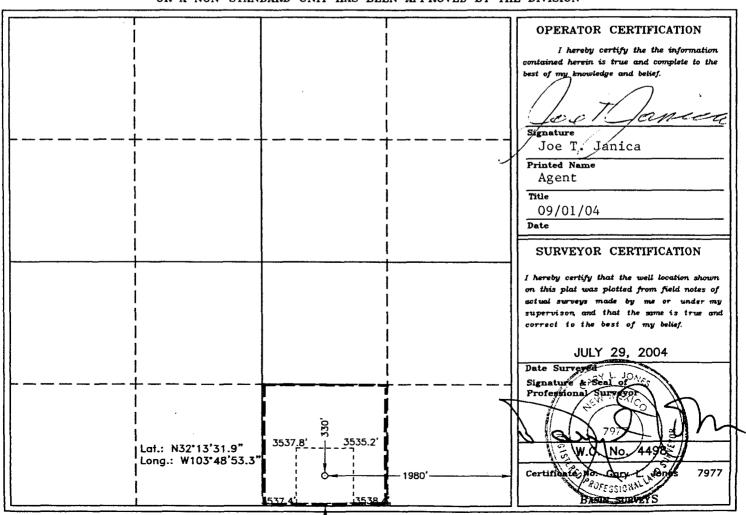
Surface Location

Γ	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	0	7	24 S	31 E		330	SOUTH	1980	EAST	EDDY

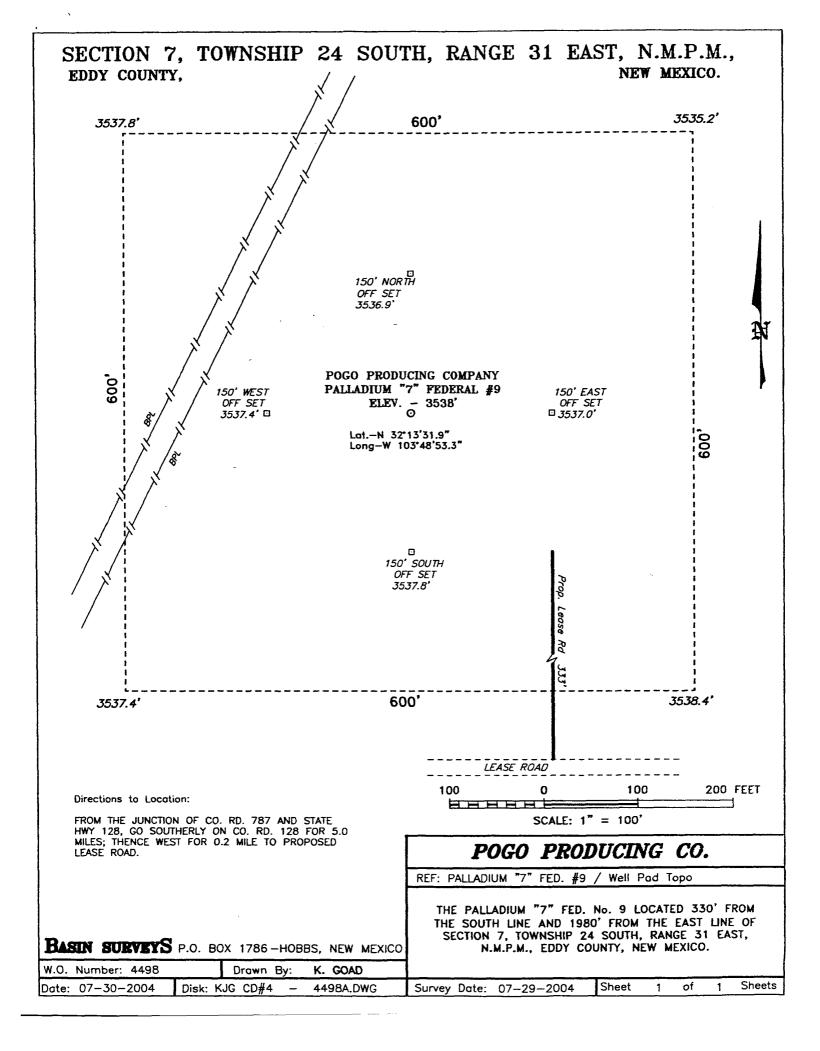
Bottom Hole Location If Different From Surface

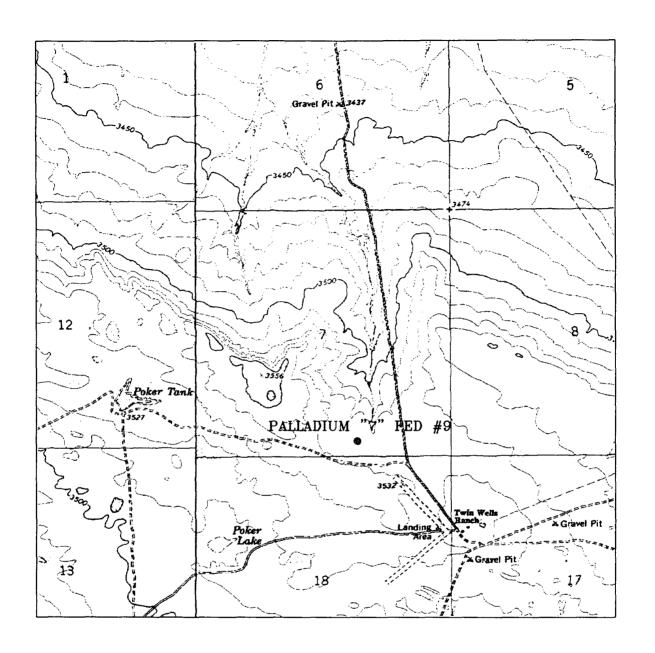
UL or lot No.	Section T	ownship	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Dedicated Acres Joint or Infill Consolidation Code Order No.								
40									

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



EXHTRIT "A"





PALLADIUM "7" FEDERAL #9
Located at 330' FSL and 1980' FEL
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:	4498AA - KJG CD#5
Survey Date:	07-29-2004
Scale: 1" = 20	000'
Date: 07-30-	-2004

POGO PRODUCING COMPANY

APPLICATION TO DRILL

POGO PRODUCING COMPANY
PALLADIUM "7" FEDERAL # 9
UNIT "0" 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: 330' FSL & 1980' FEL SECTION 7 T24S-R31E EDDY CO. NM
- 2. Elevation above Sea Level: 3538' 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: 8400'
- 6. Estimated tops of geological markers:

Rustler Anhydrite	610'	Cherry Canyon	5160'
Basal Anhydrite	40201	Manzanita	5340'
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	8 5/8"	32	8-R	ST&C	J-55	
	7 7/8"	0-8400*	5½"	17 & 15.5	8-R	LT&C	J - 55	

APPLICATION TO DRILL

POGO PRODUCING COMPANY
PALLADIUM "7" FEDERAL # 9
UNIT "O" SECTION 7
T24S-R31E EDDY CO. NM

9. CEMENTING & CASING SETTING DEPTHS:

20"	Conductor	Set 40' of 20" conductor and cement to surface with Redimix.
13 3/8"	Surface	Set 975' of 13 $3/8$ " $48\#$ H-40 ST&C casing. Cement with 600 Sx. of $65/35/6$ of Class "C" 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 $35/65/6$ Class "C" POZ/GEL + 5% Salt, tail in with 200 Sx. of Class "C" cement + 2% CaCl, circulate cement to surface
5½"	Production	Set 8400' of 5½" casing as follows: 2400' of 5½" 17# J-55 LT&C, 5000' of 5½" 15.5# J-55 LT&C, 1000' of 5½" 17# J-55 LT&C. Cement in 3 stages with DV Tools at 5800'-3700'±. Cement 1st stage with 650 Sx. of Class "H" cement + add - itives, cement 2nd stage with 600 Sx. of Class "C" + 8# Gilsonite/Sx. Cement 3rd stage with 400 Sx. of Class "C" 65/35/6 POZ?GEL, tail in with 100 Sx. of Class "C" + 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 heas 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 settingintermediate 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	29-32	NC V	Fresh water spud mud add paper to control seepage.
975-4150'	10-10.1	29-38	NC	Brine water add paper to seepage and use high viscosity sweeps to clean hole.
4150-8400'	8.4-8.7	29–38	NC*	Fresh water mud use fresh water Gel for viscosity control, use high viscosity sweeps to clean hole.

^{*} Water loss may have to be controlled near the lower part of hole in order to run logs, DST's, cores, and to run casing. If WL is needed use a Polymer system.

Sufficient materials to maintain mud properties, lost circulation, increase weight requirements, will be kept at the well site at all times. In order to run logs, DST's cut cores, and run casing the water loss may have to be reduced to accomplish these needs.

APPLICATION TO DRILL

POGO PRODUCING COMPANY
PALLADIUM "7" FEDERAL # 9
UNIT "O" SECTION 7
T24S-R31E EDDY CO. NM

12. LOGGING, CORING, AND TESTING PROGRAM:

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

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 2000 PSI, and Estimated BHT 145°

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 24 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 <u>Bone Spring</u> 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 # 9 UNIT "O" 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.
 - B. From Hobbs New Mexico take U.S. Hi-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 .2 miles to location on the North side of road.
 - C. Exhibits "C & "F" shows the proposed roads flowlines and powerlines.
- 2. PLANNED ACCESS ROADS: Approximately 330' of new road will be constructed.
 - A. The access roads will be crowned and ditched to a 12' wide travel surface with a 40' Right-of-Way.
 - B, 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 .8 miles East of location.
 - B. Dispusal 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 # 9
UNIT "O" 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".

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 # 9
UNIT "O" SECTION 7
T24S-R31E EDDY 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 extend a minimum 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
PALLADIUM "7" FEDERAL # 9
UNIT "O" SECTION 7
T24S-R31E EDDY CO. NM

11. OTHER INFORMATION:

- A. Topography of this area consists of low relief sand dunes with soil consisting of eolian sands with mixed gravel. Dip is to the Southwest toward the Pecos river. Vegetation consists of Mesquite, shennery, sandsage, and yucca.
- 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 .5 miles Southeast of location.

12. OPERATORS REPRESENTIVE:

Before construction:

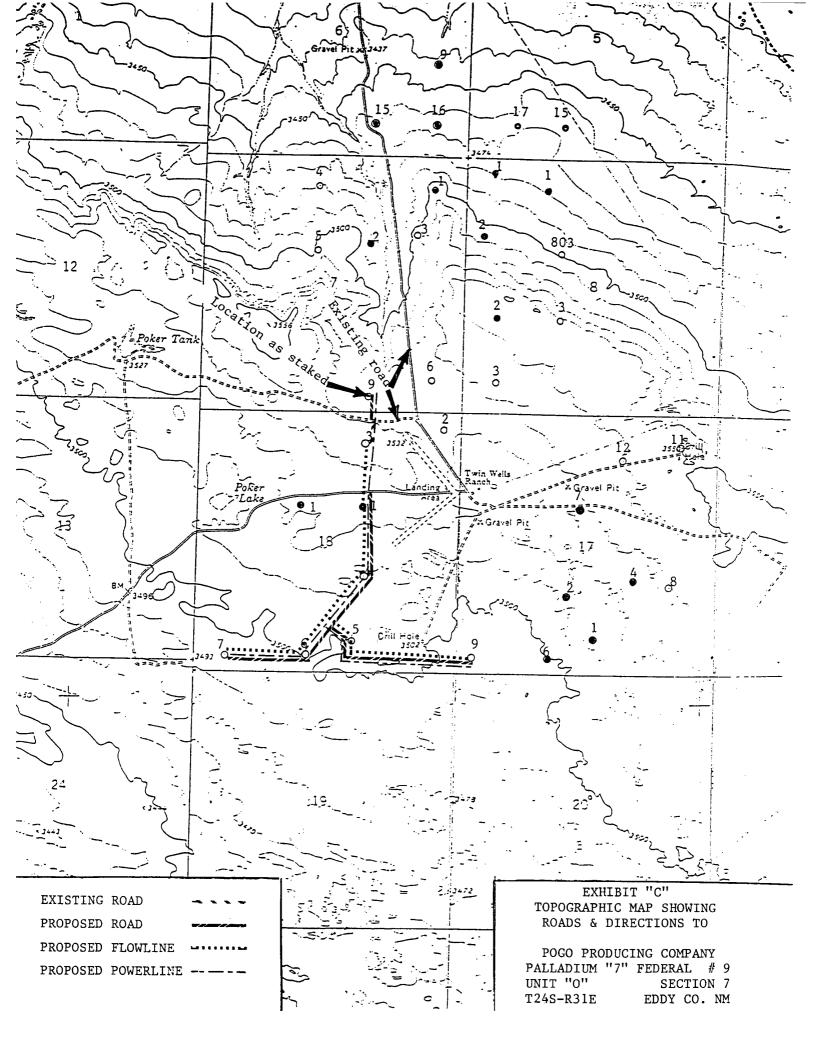
TIERRA EXPLORATION, INC.
P.O. BOX 2188
HOBBS, NEW MEXICO 88241
JOE T. JANICA
OFFICE PHONE 505-391-8503

During and after construction:

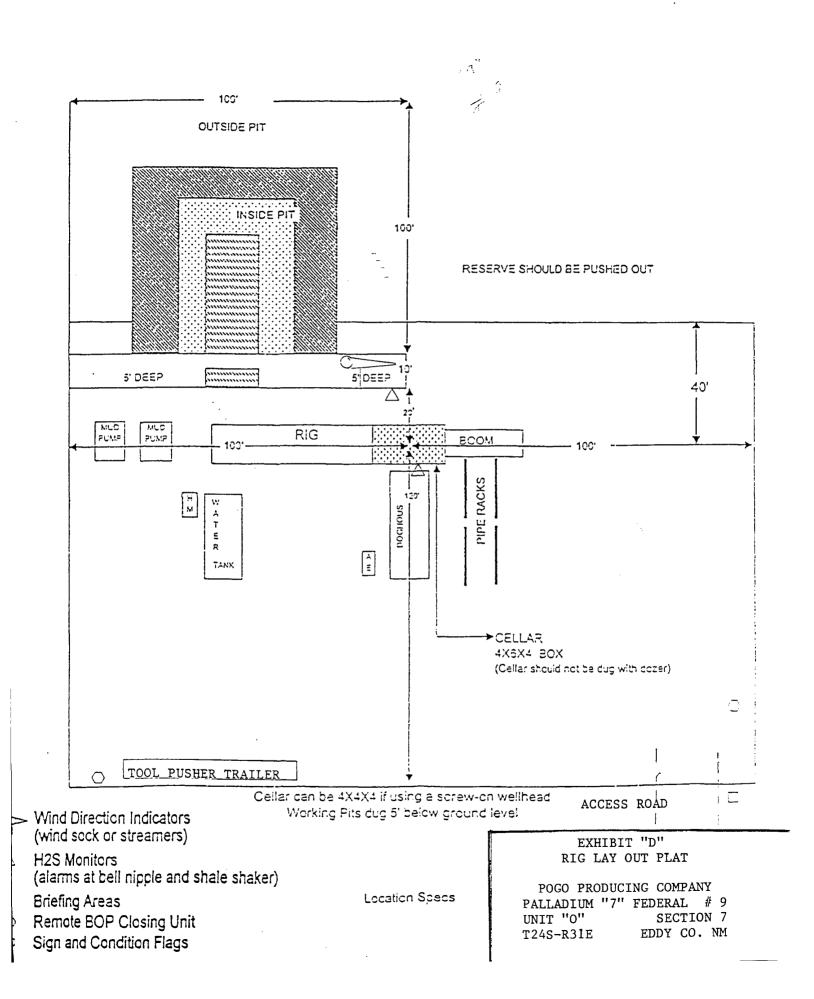
POGO PRODUCING COMPANY P.O. BOX 10340 MIDLAND, TEXAS 79702-7340 RICHARD WRIGHT OFFICE PHONE 915-685-8140

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	: //	001	mula
DATE	: <u>//</u>	09/01/04	
TITLE	Age	nt	



LOCATION SPECIFICATIONS AND RIG LAYOUT FOR EARTH PITS



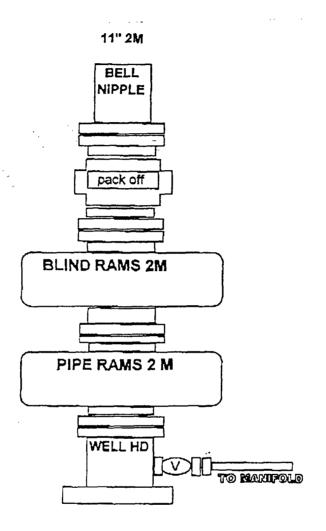


EXHIBIT "E"
SKETCH OF B.O.P. TO BE USED ON

POGO PRODUCING COMPANY
PALLADIUM "7" FEDERAL # 9
UNIT "O" SECTION 7
T24S-R31E EDDY CO. NM

CHOKE MANIFOLD

3000 PSI WP

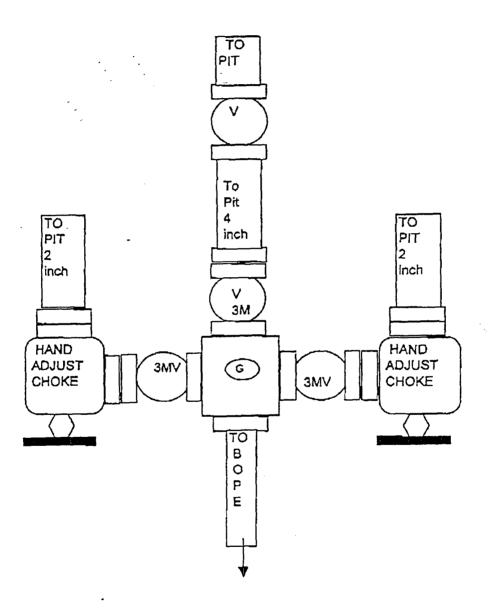


EXHIBIT E-1"
SKETCH OF CHOKE MANIFOLD

POGO PRODUCING COMPANY
PALLADIUM "7" FEDERAL # 9
UNIT "O" SECTION 7
T24S-R31E EDDY CO. NM