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POGO P		G COMPANY	(RICHARD	WRIG	HT 432-68	5-8140		9. AR WELL NO.	
		0 MIDLAND, TEXA	AS 79702-734	0	432-685-8	100)		30 - 015 -	- 34888
4. LOCATION	or WELL (R	eport location clearly and	in accordance wit	h any S	tate requiremen	its.*)		בשימות חוא ב	
660' I	NL & 23	10' FWL SECTION	18 T24S-R31	E EDI	DY CO. NM	RECE	IVED	11. SEC., T., R., M AND SURVEY	
At propos	ed prod. zon	se SAME	alle: Delan			APR 2,2		SECTION 18	T24S-R31E
14. DISTANCE	IN MILES	AND DIRECTION FROM NEAL		OLLIGI	· O	99:4A	TERM	12. COUNTY OF PA	RISH 13. STATE
Approx		30 miles East o	of Carlsbad		lexico		· ·	EDDY CO.	NEW MEXIC
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13. DISTANCE	TROM PROF	OSED LOCATION			OPOSED DEPTH		20. ROTAL	RY OR CABLE TOOLS	40
	D FOR, ON THE	RILLING, COMPLETED, IS LEASE, FT.	990'	3.	3400'		ROTARY	•	
21. ELEVATION	s (Show whe	ether DF, RT, GR, etc.)	3534' G	D					E WORK WILL START
23.			·					WHEN APPRO	DV ED
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SIGNED	Jee-	et for	Mela a	-Age	APPROVA JENERAL	REQ	JIREM	ENTS. == 027	21/05
(This spur	tor Feder	al or State office use)			AND SPEC	TALS	TIPUL	ATIONS	
	pproval does no	x warrant or certify that the appl	icant holds legal or equi	 uble tide	to those rights in t	se subject le	ase which wou	uld entitle the applicant	to conduct ಪ್ರಧಾಭರಾತ ವರ್ಣ
	of azeroval	IF ANY:			_				R 2 0 2004
APPROVED B	/s/	Linda S. C. Run	ndell ==== _	STA	ATE DIRE	CTOR		DATE	
>9.5	Satt	1001 makes it a crime			On Reverse Si				FOR 1 YEAI

Title 13 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

T I French Dr., Hobbs, NM 88240 ISTRICT II 811 South First, Artesia, NM 88210

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised March 17, 1999

Submit to Appropriate District Office

State Lease - 4 Copies Pee Lease - 3 Copies

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

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION

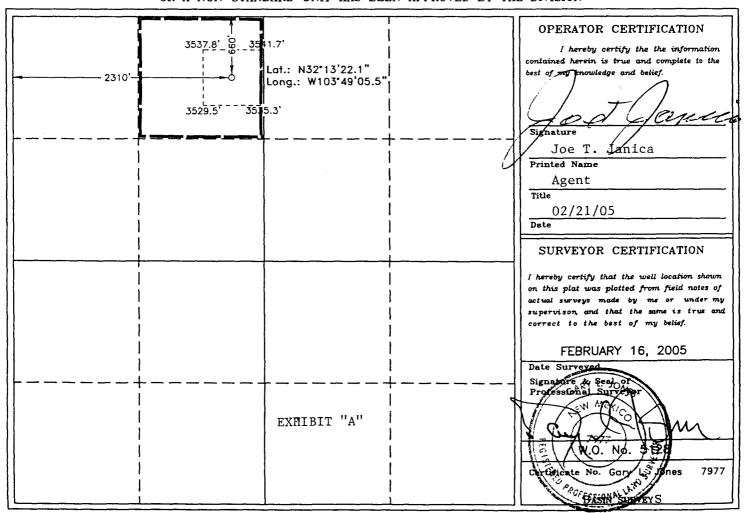
2040 South Pacheco Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREACE DEDICATION PLAT

API Number			Pool Code			Pool Name			
Property Code		Property Name				Well Number			
30489 ogrid no			PATTON "18" FEDERAL Operator Name				9 Elevation		
17891			POGO PRODUCING COMPANY			3534'			
				,	Surface Loc	ation			
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
С	18	24 S	31 E		660	NORTH	2310	WEST	EDDY
			Bottom	Hole Lo	cation If Diffe	rent From Sur	face		
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint o	r Infill Co	nsolidation	Code Or	der No.		<u> </u>		

OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



lobbs, NM 88240 d Avenue, Artesia, NM 88210 Rio Brazos Road, Aztec, NM 87410 istrict 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 to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe

office RECEIVED

MAR 0 1 2005

Form C-144

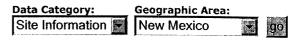
March 12, 2004

Pit or Below-Grade Tank Registration or Closure

OCP ARTERIA Is pit or below-grade tank covered by a "general plan"? Yes \(\subseteq \) No \(\otimes \) of action: Registration of a pit or below-grade tank \(\otimes \) Closure of a pit or below-grade tank \(\otimes \)

	cion-grade tank (A) Closure of a pit of ocion gra	de tank [L]			
Operator: Pogo Producing Company 432-68 Telephone:	5-8100 e-mail address: wrightc@p	ogoproducing.com			
Address: P.O. Box 10340, Midland, TX 79702-	7340				
Address: P.O. Box 10340, Midland, TX 79702- Facility or well name: Patton 18 Fed #9 API # 30 015 County: Eddy Latitude 32:13:22.1N oneitude 103	0.7340 U/L or Qtr/Qtr_C Sec_18_T	24 _R 31			
County: Eddy Latitude 32:13:22.1NLongitude 103	:49:05.5W NAD: 1927 K 1983 Surface	Owner Federal XX State Private Indian			
Pit	Below-grade tank				
Type: Drilling X Production Disposal	Volume:bbl Type of fluid:				
Workover Emergency	Construction material:				
Lined 🛛 Unlined 🗌	Double-walled, with leak detection? Yes [] If	-			
Liner type: Synthetic Thickness 12 mil Clay Volume		,,,			
16000ы					
	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 fact or many	(0)			
	Y X	(0 points)			
Wellhead protection area: (Less than 200 feet from a private domestic	Yes	(20 points)			
water source, or less than 1000 feet from all other water sources.)	No X	(0 points)			
water sources, or recommendation and other water sources,	A				
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 canals, dictios, and percinial and optionical watercourses.	1000 feet or more X	(0 points) O			
	Ranking Score (Total Points)				
		0			
If this is a pit closure: (1) attach a diagram of the facility showing the pit's					
onsite offsite from If offsite, name of facility	(3) Attach a general description of remedial a	ection taken including remediation start date and			
end date. (4) Groundwater encountered: No 🗌 Yes 🔲 If yes, show depth	below ground surfaceft. and attach	sample results. (5) Attach soil sample results			
and a diagram of sample locations and excavations.					
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 3, a	my knowledge and belief. I further certify that t general permit , or an (attached) alternative	ocd-approved plan .			
Date: 02/28/05 Printed Name/Title Cathy Wright, Sr Eng Tech	Signature Colley IIII	ht			
Your certification and NMOCD approval of this application/closure does not	relieve the operator of liability should the contents	of the pit or tank contaminate ground water or			
otherwise endanger public health or the environment. Nor does it relieve the regulations.					
Appropriation of the second of	M	1			
Date: MAR 2 2005 July Sup		3			
Printed Name/Title	Signature	<u> </u>			
·					

ater Resources

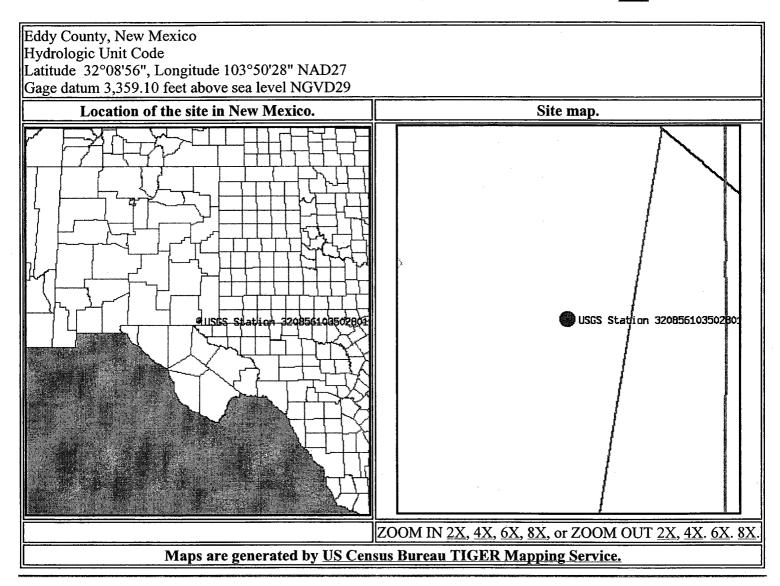


Site Map for New Mexico

USGS 320856103502801 25S.30E.12.113211

Available data for this site

site map 🔀 🚱



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

Explanation of terms

Retrieved on 2005-02-28 14:11:55 EST

Department of the Interior, U.S. Geological Survey
USGS Water Resources of New Mexico

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1.7 0.94 nadww01

ater Resources



Ground-water levels for New Mexico

Search Results -- 1 sites found

Search Criteria

• 320856103502801 site no list =

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

Hydrologic Unit Code

Latitude 32°08'56", Longitude 103°50'28" NAD27

Gage datum 3,359.10 feet above sea level NGVD29

The depth of the well is 482 feet below land surface.

This well is completed in ALLUVIUM, BOLSON DEPOSITS AND OTHER SURFACE **DEPOSITS (110AVMB)**

Output formats Table of data

Tab-separated data Graph of data

Reselect period

USGS 320856103502801 255,30E,12,113211 389.00 2970.00 Ground-Water Level, in feet below surface 389.50 2969.50 390.00 2969,00 ٥ ٥ 390,50 2968.50 391.00 2968.00 391.50 1960 1965 1970 1975 1980 1985 1990 1995 2000 2005 DATES: 03/25/1959 to 02/28/2005 23:59

Breaks in the plot represent a gap of at least one calendar year between two consecutive points. Download a presentation-quality graph

Questions about data

New Mexico NWISWeb Data Inquiries Feedback on this websiteNew Mexico NWISWeb Maintainer

<u>Top</u> Explanation of terms

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.

Input Data Lat1 Lon1 32:13:22.1 103:49:05.5 Lat2 Lon2 32:08:56 103:50:28 Output Course 2-1 Course 1-2 Distance 194.776350 14.7641439 4.577067954

Distance Units: nm Earth model: WGS84/NAD83/GRS80

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.

Reset

Compute

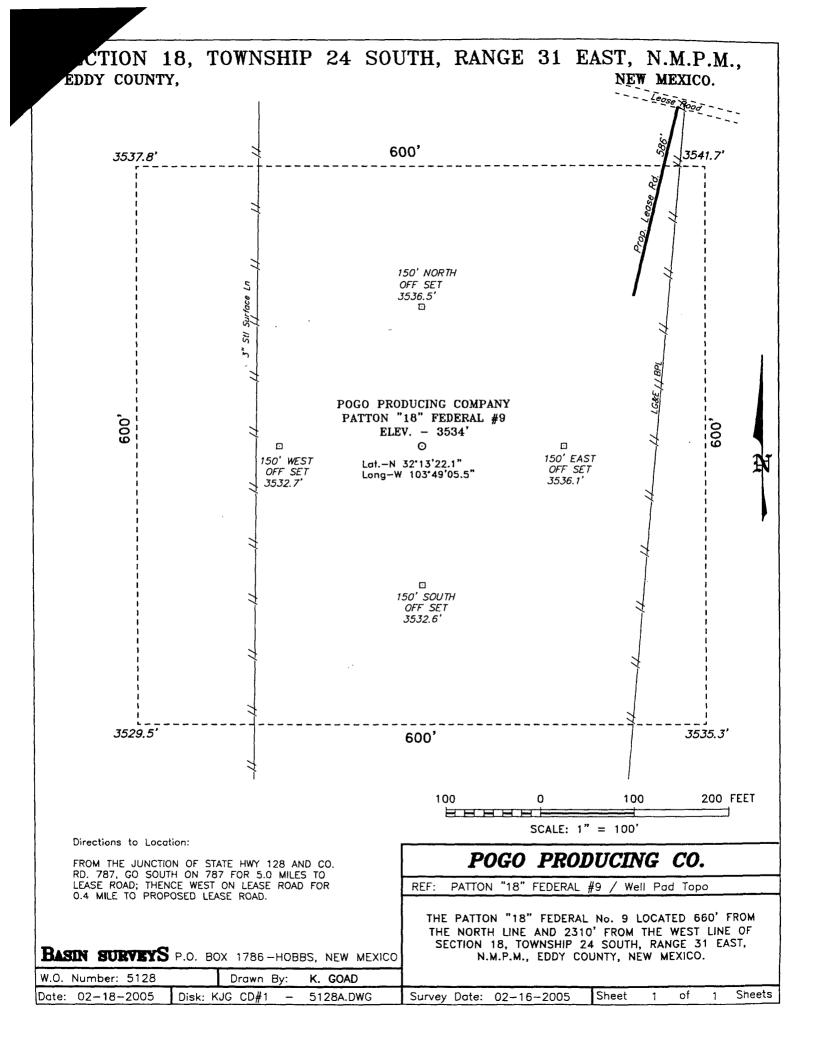
Input data

Lat1 Lon1

0:00.00 N 0:00.00 W

Course 1-2 Distance 1-2

360 0.0



APPLICATION TO DRILL

POGO PRODUCING COMPANY
PATTON "18" FEDERAL # 9
UNIT "C" SECTION 18
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' FNL & 2310' FWL SECTION 18 T24S-R31E EDDY CO. NM
- 2. Ground Elevation above Sea Level: 3528' GR.
- 3. Geological age of surface formation: Ouaternary 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: 8400'
- 6. Estimated tops of geological markers:

Rustler Anhydrite	500'	Cherry Canyon	5184'
Salado Salt	750 '	Brushy Canyon	6421'
Delaware	4274 '	Bone Spring	8104'
Bell Canyon	4299 '	TD	8400'

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"	0-915'	13 3/8"	48#	8-K	ST&C	H-40
11"	0-4200'	8 5/8"	24 & 32#	8-R	ST&C	J-55
7 7/8"	0-84001	412"	11.6#	8-R	LT&C	J-55

APPLICATION TO DRILL

POGO PRODUCING COMPANY
PATTON "18" FEDERAL # 9
UNIT "C" SECTION 18
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 915' of 13 3/8" 48# H-40 ST&C casing. Cement with 800 Sx. of Class "C" cement + 2% CaCl, + $\frac{1}{2}$ # Flocele/Sx. Circulate cement to surface.
8 5/8"		Set 4200' of 8 5/8" casing as follows: 2000; of 8 5/8" $32\#$ J-55 ST&C, 1200! of 8 5/8" $24\#$ J-55 ST&C. 1000' of 8 5/8" $32\#$ J-55 ST&C casing. Cement with 1200 Sx. of Class "C" cement + additives, circulate cement to surface.
4½"	Production	Set 8400' of $4\frac{1}{2}$ " casing as follows: 2400' of $4\frac{1}{2}$ " 11.6# N-80 LT&C, 6000' of $4\frac{1}{2}$ " 11.6# J-55 LT&C, 1000' of $4\frac{1}{2}$ " 11.6# N-80 LT&C casing. Cement in 2 stages DV Toot at 6200'. cement 1st stage with 550 Sx. of Class "H" cement. Cement 2nd stage with 750 Sx. of Class "C" cement + additives. Estimate top of cement 3500'from surface.
DDDGGTME	COMMINGE BOTTENIA	nam .

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 at4200'. 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
		-		
40-915'	8.4-8.7	29-36	NC .	Fresh water Spud Mud use paper to control seepage.
9-15-4200'	10.1-10.2	29–38	NC	Brine water use paper to control seepage and high viscosity sweeps to clean hole.
4200-8400'	8.4-8.8	29–40	NC*	Fresh water with Dris-pacif water loss control is needed, high visc-osity sweeps to clean hole.

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

APPLICATION TO DRILL

POGO PRODUCING COMPANY
PATTON "18" FEDERAL # 9
UNIT "C" SECTION 18
T24S-R31E EDDY CO. NM

12. LOGGING, CORING, AND TESTING PROGRAM:

- A. Open hole logs: Dual Induction, SNP, LDT, Gamma Ray; Caliper from TD back to 8 5/8" casing shoe.
- B. Cased hole logs: Gamma Ray, Neutron from 8 5/8" casing shoe back to surface.
- C. Mud logger will be placed on hole at 4200'± and remain on hole to TD.
- 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 1850 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 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.

- /-A
- 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 H_2S 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.

HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

- 8. Drilling contractor supervisor will be required to be familiar with the effects H2S 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
PATTON "18" FEDERAL # 9
UNIT "C" SECTOPN 18
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 5.3 miles turn Right (West) go .2 miles turn Left go to well # 3 turn Right go 900'± to location .
 - C. Exhibit "C" shows the routes of new roads, existing roads, proposed powerline, and proposed flowlines.
- 2. PLANNED ACCESS ROADS: Approximately 990' 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 .6 miles East of location.

B. Disposal wells -None known

C. Drilling wells -None known

D. Producing wells -As shown on Exhabit "A-1"

E. Abandoned wells -As shown on Exhibit "A-1"

POGO PRODUCING COMPANY
PATTON "18" FEDERAL # 9
UNIT "C" SECTOPN 18
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. Exhibit "C" shows proposed routes of roads, flowlines and powerlines.

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
PATTON "18" FEDERAL # 9
UNIT "C" SECTOPN 18
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
PATTON "18" FEDERAL # 9
UNIT "C" SECTOPN 18
T24S-R31E EDDY CO. NM

11. OTHER INFORMATION:

- A. Topography is relatively flat with little or no dip. Soil consists of shallow, silty clay loams with caliche caprock throughout. Vegetation consists of catclawacacia, mesquite, prickley pear, broom snake weed, creosote, Christmas tree cactus, and various other cactus.
- 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.
- p. There is a ranch dwelling approximately .8 of a mile to the East of the 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	et fances
DATE	: 02/21/05	
TITLE	: Agent	

FOR EARTH PITS 100 **OUTSIDE PIT** ACCESS ROAD INSIDE PIT 100 RESERVE SHOULD BE PUSHED OUT 5' DEEP 5' DEEP MUC PUMP RIG PUMP **BCOM** PIPE RACKS 1201 DOCHOUS λ TANK ►CELLAR 4X6X4 BOX (Cellar should not be dug with dozer) Cellar can be 4X4X4 if using a screw-on wellhead Working Pits dug 5' below ground level Wind Direction Indicators (wind sock or streamers) EXHIBIT "D"

Location Specs

LOCATION SPECIFICATIONS AND RIG LAYOUT

H2S Monitors (alarms at bell nipple and shale shaker)

- **Briefing Areas**
- Remote BOP Closing Unit 0
- Sign and Condition Flags

RIG LAY OUT PLAT

POGO PRODUCING COMPANY PATTON "18" FEDERAL # 9 UNIT "C" SECTION 18 T24S-R31E EDDY CO. NM

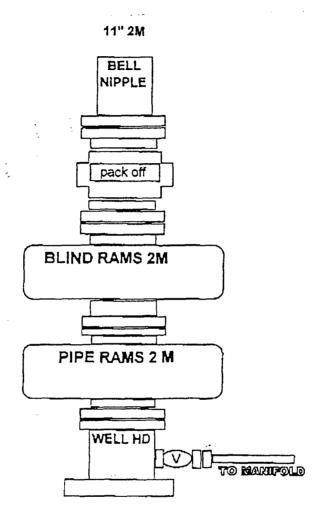


EXHIBIT "E"
SKETCH OF B.O.P. TO BE USED ON

POGO PRODUCING COMPANY
PATTON "18" FEDERAL # 9
UNIT "C" SECTION 18
T24S-R31E EDDY CO. NM

CHOKE MANIFOLD

3000 PSI WP

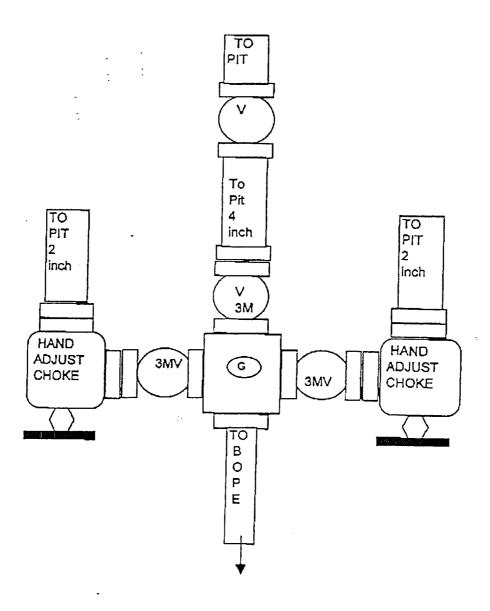


EXHIBIT "E-1"
CHOKE MANIFOLD & CLOSING UNIT

POGO PRODUCING COMPANY
PATTON "18" FEDERAL # 9
UNIT "C" SECTION 18
T24S-R31E EDDY CO. NM