Form 3160-3 (July 1992)	UNI DEPARTMEN BUREAU OF	OPER. OGRID I PPOPERTY NO PONS. GODE EAN. DATE	an-1		OMB NO. 1004-0136 Expires: February 28, 1995 5. LEASE DESIGNATION AND SERIAL NO NM-58940
APPL	ICATION FOR P	APR 813 30	-023-34	1 1 1 1	6. IF INDIAN, ALLOTTES OR TRIBE NAM
14. TYPE OF WORK			r		7. UNIT AGREEMENT HAME
b. TIPE OF WELL					
01L 17	WELL OTHER		SINGLE X	BULTIPLE	S. FARM OR LEASE NAME WELL NO
2. NAME OF OPERATOR POGO PRODUCIN	IG COMPANY	(RICHARD WR	IGHT)		WBR FEDERAL # 4
ADDRESS AND TELEPHONE NO				·=	
	O MIDLAND, TEXA		Ph. 915-68		10. FIELD AND POOL, OR WILDCAT
At surface	Report location clearly and				RED TANK-BONE SPRING
	980' FEL SEC. 1	3 T22S-R32E	LEA CO. NM.		AND SURVEY OR AREA
At proposed prod. zo	^{ne} Same	1/nitJ			SEC. 13 T22S-R32E
4. DISTANCE IN MILES	AND DIRECTION FROM NEAD	LEST TOWN OR POST O	FFICE*		12. COUNTY OR PARISH 13. STATE
• •	30 miles East of				Lea Co. New Mexi
5. DISTANCE PROM PROP LOCATION TO NEARES	T		6. NO. OF ACEES IN LA		OF ACRES ASSIGNED THIS WELL
PROPERTY OR LEASE (Also to nearest dr)	g. unit line, if any)	· · · · · · · · · · · · · · · · · · ·	600		40
S. DISTANCE FROM PROI TO NEAREST WELL, E OR APPLIED FOR, ON TH	RILLING, COMPLETED,		10,250'		otary
	ether DF, BT, GR. etc.)		· · · · · · · · · · · · · · · · · · ·		22. APPROX. DATE WORK WILL START
•••••••		3675' GR.			When Approved
· · · · · · · · · · · · · · · · · · ·	k.	PROPOSED CASING	AND CCARLED	AD CONTR	OLLED WATER BASIR
SIZE OF HOLE	ORADE, SIZE OF CASINO	WEIGHT PER POOT	BETTING DEP		QUANTITY OF CEMENT
26"	20" Conductor	NA	40	' Cemen	t to surface W/Redi-Mix
17 ¹ ₂ ''	<u>J-55 13 3/8"</u>	54.5		<u> </u>	x. Cin The Sement to s
<u>11</u> ^µ	J-55 S-80 8 5/8		4600'	1400	
7 7/8"	$J-55$, N-80 $5\frac{1}{2}$ "	17	10,250'	1100	Sx. Top cement 4400'
. Drill 17½" h 500 Sx. of (nole to 800'. Ru	n and set 80 Light + addi	0' of 13 3/8	" J-55 54.	to surface with Redi-mi 5# ST&C casing. Cement w 0 Sx. of Class "C" cemen
ST&C , 4300	' of J − 55 32# ST	&C casing. C	ement with 1	200 Sx. of	s follows: 300' of S-80 Halco Light + additives irculate cement to surfa
of N-80 LT&0 Halco Light cement back	C, 6000' of J-55 cement + additi to 4400' , 200'	LT&C, 1050' ves, tail in back into 8	of N-80 LT& with 350 Sx 5/8' Intermo	C casing. . of Appr ediate cas GENE	casing as follows: 3200 Cement with 750 Sx. of OVAL SUBJECT TO THE REQUIREMENTS AND IAL STURULATIONS at is to doill or UNE STURULATIONS at is to doill or
pen directionally, give pertin		· · · · · · · · · · · · · · · · · · ·	Agent		DATE06/04/98
BIGNED	faul				
pen directionally, give pertin					
successfully, give phone successfully, give phone (This space for Feder			APPROVAL DATE		
SIGNED (This space for Feder PERSIT NO. Application approval does no CONDITIONS OF AFPROVAL	al or State office use)	Acting		ffice Manager	auld entitle the applicant to conduct operations there , $JUL \ 1 \ 3 \ 1998$

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II P.O. Drawer DD, Artenia, NM 88211-0719

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

DISTRICT IV P.O. Box 2068, Santa Fe, NM 87504-2088

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, New Mexico 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	API Number 3D- D25-34464			Pool Code 51683			Pool Name RED TANK-BONE SPRING				
Property 9350	Property Code 9350				WRE	B FEDEF	FEDERAL 4				
ogrd n 1789				PO	GO PRO		COMPANY		4	Elevation 3675	
		. <u>.</u>			Sur	face Loc					
UL or lot No.	Section	Township	Range	Lot I		from the	North/South line	Feet from the	East/West line	County	
J	13	22 S	32 E	<u> </u>		.080	SOUTH	1980	EAST	LEA	
UL or lot No.	Section	Township	Bottom Range	Hole Lot I		n if Diffe from the	North/South line	face Feet from the	East/West line	County	
Dedicated Acres	s Joint o	or Infill Co	nsolidation	Code	Order No	•					
40											
NO ALLO	WABLE W						UNTIL ALL INTER APPROVED BY '		EEN CONSOLID	ATED	
				T		I			· · · · · · · · · · · · · · · · · · ·		
	1					1		OPERAT	OR CERTIFICA	TION	
	1							11	by certify the the in	-	
	İ					I)]	in is true and comp wledge and belief.	lete to the	
	1					1		DESK OF THE EDO	www.ara oenej.		
	1			1		1			+ / /	۲	
	1					1			. / (lool	ug	
								Signature	- pro-		
	- — - +			┿		+-		-1/2	Taniaa		
	1					1		Jue 1 Printed Nam	V		
	1					1					
	i					i		Agent			
	1					1		Title 06/04	/98		
	1					1		Date	· · · · · · · · · · · · · · · · · · ·		
								SURVEY	OR CERTIFICA	FION	
								I hereby certif	y that the well local	ton shown	
	1			367	5.7° - 3	670.9'		actual surveys	as plotted from fiel made by me or	d notes of under my	
	İ			ľ	1 0-+			supervison a	nd that the same is	true and	
					∟≛⊐	1		correct to th	te best of my belie	ď.	
				368	0.9' 3	684.2		MAY	20, 199	38	
	1			Ľ		1		Data Sumar	-	JLP	
	· +-							- Signaturo &	Bout 57/201		
	, I					i		Professional	Surveyor		
	ן ז				80.	1		/ # x . w	TAC 2		
	 			1	- 208	1		Kmith	Astro Ind	5.26.98	
						l		AND. N	<u>,¥∠:€/,11,X/2</u> um. 9 8−1.1,⊱0		
	1					l I		1 20	<u> </u>		
	!							Certificate. N	CARY AS EDSC	N. 3239	
	ł				Ļ	1		""""""""""""""""""""""""""""""""""""""	CARTANE EDSC	D, 12185	
				l	···· ·		······································		all man.		

VICINITY MAP



SCALE: 1'' = 2 MILES

SEC. <u>13</u> TWP.<u>22–S</u> RGE.<u>32–E</u> SURVEY <u>N.M.P.M.</u> COUNTY <u>LEA</u> DESCRIPTION <u>2080</u> FSL & 1980' FEL ELEVATION <u>3675'</u> OPERATOR <u>POGO PRODUCING COMPANY</u> LEASE <u>WRB FEDERAL</u>

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

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

SEC. <u>13</u> TWP.<u>22–S</u> RGE.<u>32–E</u> SURVEY <u>N.M.P.M.</u> COUNTY <u>LEA</u> DESCRIPTION <u>2080</u> FSL <u>& 1980'</u> FEL ELEVATION <u>3675'</u> OPERATOR <u>POGO PRODUCING COMPANY</u> LEASE <u>WRB FEDERAL</u> U.S.G.S. TOPOGRAPHIC MAP GRAMA RIDGE, <u>& THE DIVIDE, N.M.</u> CONTOUR INTERVAL - 10'

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

APPLICATION TO DRILL

POGO PRODUCING COMPANY WBR FEDERAL # 4 UNIT "J" SECTION 13 T22S-R32E LEA CO. NM

In response to questions asked under Section II B of Bulletin NTL-6 the following information is provided for your consideration:

- 1. Location: 2080' FSL & 1980' FEL SEC. 13 T22S-R32E LEA CO. NM
- 2. Elevation above sea level: 3675' GR.
- 3. Geologic name of surface formation: Quaternery Aeolian Deposits.
- 4. <u>Drilling tools and associated equipment:</u> Conventional rotary drilling rig using fluid as a circulating medium for solids removal.
- 5. Proposed drilling depth: 10,250'

6. Estimated tops of geological markers:

Anhydrite	775'	Cherry Canyon	5700'
Delaware Lime	4825 '		
Bell Canyon	4920'	Brushy Canyon	7035'
	4920	Bone Spring	8720'

7. Possible mineral bearing formation:

Delaw	vare	Oil
Bune	Spring	Oil

8. Casing program:

Hole Size	Interval	OD of Casing	Weight	Thread	Collar	Grade
26''	0-40'	20''	NA	NA	NA	Conductor
17 ¹ /2"	0-800'	13 3/8"	54.5	8-R	ST&C	J-55
11"	0-4600'	8 5/8"	32	8-R	ST&C	J-55 S-80
7 7/8"	0-10,250'	5'2"	17	8-R	LT&C	N-80 J-55

APPLICATION TO DRILL

POGO PRODUCING COMPANY WBR FEDERAL # 4 UNIT "J" SECTION 13 T22S-R32E LEA CO. NM

- 9. <u>CEMENTING & SETTING DEPTH:</u>
 - 20" Conductor Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
 - 13 3/8" Surface Set 800' of 800' of 13 3/8" J-55 54.5# ST&C casing and cement with 500 Sx. of Class "C" Halco Light, tail in with 200 Sx. of Class "C" + 2% CaCl, circulate cement.
 - 8 5/8" Intermediate Set 4600' of 8 5/8" J-55 & S-80 32# ST&C casing. Cement with 1200 Sx. of Halco Light + additives, tail in with 200 Sx. of Class "C" Premium cement + 2% CaCl, circulate cement to surface.
 - 5½" Production Set 10,250' of 5½" 17# J-55 & N-80 LT&C casing. Cement in two stages if deemed necessary, DV tool at 6500'±. Cement 1st stage with 100 Sx. of Class "H" + 5# expanding agent/SX. + 2.5# KCl/Sx. 2nd stage cement with 600 Sx. of Class "C" + additives, estimate top of cement 4400', 200' into 8 5/8" Intermediate.
- 10. <u>PRESSURE CONTROL EOUIPMENT:</u> Exhibit "E". A Series 900 3000 PSI working pressure B.O.P. consting of a double ram type preventor with a bag type annular preventor. The B.O.P. unit will be hydraulically operated. Exhibit "E-1". Choke manifold and closing unit. The B.O.P. will be nippled up on 13 3/8" casing and will be operated at least once each 24 hour period while drilling and blind rams will be operated when out of hole on trips. Full opening stabbing valve and upper kelly cock will be utilized. No abnormal pressure or temperature is expected while drilling.

Depth	Mud Wt.	Visc.	Fluid Loss	Type Mud System
40-800'	8.4-8.7	28-32	NC	Fresh water base mud use paper to control seepage high viscosity sweeps to clean hole.
800-4600'	10-10.5	28-36	NC	Brine water base system add salt Gel & paper to control seepage & clean hole.
600-8700 '	8.5-8.7	28-34	NC	Fresh water system use paper to control seepage & high viscosity sweeps to clean hole.
700-10,250'	8.5-8.7	32-38	lOcc or less	Same as above add water loss material to control water loss.

11. PROPOSED MUD CIRCULATING SYSTEM:

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

APPLICATION TO DRILL

POGO PRODUCING COMPANY WBR FEDERAL # 4 UNIT "J" SECTION 13 T22S-R32E LEA CO. NM

12. Testing, Logging and Coring Program:

- A. Open hole logs: Dual Induction Gamma Ray, CNL-Density, and caliper from TD to 4600'. Run gamma Ray Neutron from 4600' to surface.
- B. Mud logger will be rigged up on hole at 4600' and remain on hole to TD.
- C. No cores are planned at this time.
- D. No DST's are planned at this time but will be run if operator feels that they will be benificial.

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. No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation of equipment being used. Estimated BHP 4250 PSI, estimated BHT 145° .

14. Anticipated Starting Date and Duration of Operation:

Road and location construction will begin after BLM approval of APD. Anticipated spud date as soon as approved. Drilling expected to take <u>30-40</u> days. If production casing is run an additional 30 days will be required to complete and construct surface facilities.

15. Other Facets of Operations:

After running casing, cased hole gamma ray neutron collar logs will be run from total depth over possible pay intervals. The <u>Bone Spring</u> pay will be perforated and stimulated. 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"
- 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.

- 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.

SURFACE USE PLAN

POGO PRODUCING COMPANY WBR FEDERAL # 4 UNIT "J" SECTION 13 T22S-R32E LEA CO. NM

- EXISTING ROADS. Area map, Exhibit "B" is a reproduction of the New Mexico General Hi-way Co. Map. Exhibit "C" is a reproduction of a topographic map. Existings roads and proposed roads are shown on each exhibit. All roads will be maintained in a condition equal to or better than of construction.
 - A. Exhibit "A" shows the proposed development well as staked.
 - B. From Hobbs, New Mexico take U.S. Hi-way 62-180 West toward Carlsbad New Mexico go 38 miles to CR-C29 turn South go 14 miles to Mills Ranch Road turn East follow road 7.3 miles turn South go 1.3 miles turn East go 1.5 miles turn North go 1.8 miles turn West go .2 miles turn Southwest go .3 miles to location.
 - C. Construct necessary powerlines and pipelines that will be necessary to produce this lease along road R-O-W.
- 2. PLANNED ACCESS ROADS: Approximately 1600' of new road will be constructed.
 - A. The access road will be crowned and ditched to a 12'00" wide travel surface with 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 Lopography.
- 3. LOCATION OF EXISTING WELLS IN A ONE-MILE RADIUS EXHIBIT "A-1"

Α.	Water wells -	None known
В.	Disposal wells -	None known
с.	Drilling wells -	None known
Ð.	Producing wells -	As shown on Exhibit "A-1"
Ξ.	Abandoned wells -	As shown on Exhibie "A-1"

POGO PRODUCING COMPANY WBR FEDERAL # 4 UNIT "J" SECTION 13 T22S-R32E LEA CO. NM

4. If on completion this well is a producer Pogo Producing Company will furnish plats showing the production and storage facilities.

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. Sewage from living quaters will drain into holes with a minium depth of 10'. These holes will be covered during drilling and will be back filled upon completion. A Porta-John will be provided for the rig crews. 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 WBR FEDERAL # 4 UNIT "J" SECTION 13 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 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 WBR FEDERAL # 4 UNIT "J" SECTION 13 T22S-R32E LEA CO. NM

- 11. OTHER INFORMATION
 - A. Topography consists of sand dunes with a slight regional dip to the West. Soil supports native grasses mesquites and miniature caks.
 - B. The surface and minerals are owned by THE BUREAU OF LAND MANAGEMENT THE U.S. DEPARTMENT OF INTERIOR. The surface is leased out to ranchers for grazing of livestock.
 - C. An Archeological survey will be conducted and copies will be sent to the BLM., Carlsbad Resource Area in Carlsbad, N.M.
 - D. There are no dwellings or habitation within three miles of this location.
- 12. OPERATOR'S REPRESENTATIVE

Field representative to contact regarding compliance with surface use plan:

Before Construction:

During and after Construction

Tierra Exploration Inc.Pogo Producing CompanyP.O. Box 2188P.O. Box 10340Hobbs, NM 88241Midland, Tx 79702-7340Office Phone: 505-392-2112Office Phone: 915-685-8140Joe T. JanicaMr. Richard Wright

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, are true and correct; and that the work associated with the operations proposed herein will be performed by Pogo Producing Company, its' Contractors/ Subcontractors in conformity with this plan and the terms and conditions underwhich it is approved. This statement is subject to the provision of 18 U.S.C. 1001 for the filing of a false statement.

NAME: DATE TITLE: AGENT

Bibrey Fed"	GIDrey-red. U.S.	U.S.	U.S	Store	"Abe Unit " State	MU "Abe Unit # TMU. Star
Iche Ilips) 710 (Castro Fri Ener. (1) (Cas Arei, (1))	1 7Mil.	Pen 'Ener. 12 206	Paga Prad. 1 - 1 - 56 85935 40022	1000 Prod. 174503 22033 1804 7 - visa Pet. etal 1804 7 - visa Pet. etal	Santa Fe Ener. Southeastern Pet. 1/2 7 - 1 - 99 - V. 4407 8 4 38 	Penweil MRL Penwe Enerstal Pariner5, ekai En. etc. 12 94853 Prine 12 96 Pere
3	Ment Ener.) 260 82 10 15100 Cours HBC Phillips S/2 STR	Cours Louis Dreyfus Corp. Martens 9 14 98	36 Pego Prod forgrams ut			Bruns. 33 EMaine Coger D Same
rey-Fed."	1.7 Mil. U.S.M.I. T.T. San-	N. W. Anderson,etal	U.S.	16 374 4 Vares Per, etal Hogo fro Pogo Froa 5:1-35 11:1:93 11-1:93 11:34 30 V4503 V 4503 104 45 V4503 220 33 State	5. 1978 2.147 Storte	U.S. M.I. Merchants Livestock,etc
14.25 14.25 14.25 14.25 14.45 14.45 14.45 14.45 14.45 14.45 14.5 15.5 14.5 15.5 14.5 15.5 14.5 15.5 14.5 15.5 14.5 15.5 14.5 15.5 14.5 15.5 14.5 15	Vates Pet. DI Permett Ener.	" " " " " " " " " " " " " " " " " " "	82 912 41 92 41 92 Yartes Pertue tai 5 1 91 Sonto Fe Ener.	36.84	Mendian Y-238 Jiane Merchant Emperor	AMOL ANTA TATA ANTA ANTA Brunsor Lucy ways Pennell (ner Amoc 04 1 3 1: 2006 1: 1: 43 43 5214 11443 3197 180 22 Pennell (ner 3: 1: 2006 95244 180 22
	43.2 43.2 Surre U.C. €, Frances Mills Fam PritS	23052) 23052) U.S.	126 87 - KGS 1 77056 - Morrifo,1 12099 - Froi 1 9 - 1,95 4 4 6 8 6 2 5 0 5 - 1 - 120 9 - 120	175 20 175 20 5 rote	Z Strate St. 1 State St. 1 Sta	T05100 0449 7 77
057) Print 4 (2) Frinch (3) (4) (3) (4) (4) (4) (4) (4) (4) (4) (5) (5) (4) (5)	(D. Pietmpol, chail 55572 (C. J. A. C.		Магана Irx, стан 85937 01 магана Jac. 700 - 720/06/1007- 101 - 720/06/1007- 102 - 720/06/1007- 103 - 720/06/1007- 103 - 720/06/1007- 103 - 720/06/1007- 104 - 720/06/1007- 105 - 720/06/1007- 105 - 720/06/1007- 105 - 720/06/1007- 105 - 720/06/1007- 105 - 720/06/1007- 105 - 720/06/1007- 105 - 720/06/1007- 105 - 720/06/1007- 105 - 720/06/1007- 105 - 720/06/1007- 105 - 720/06/1007- 105 - 720/06/1007- 105 - 720/06/1007- 105 - 720/06/1007- 105 - 720/06/1007- 105 - 720/06/100- 105 - 720/06- 105 -	Pago Prod. 4 1 - 2000 4 4 1 - 2000 4 4 107 1 102 - 201 1 102 - 20	2 marain 2 mara	Partwell Engr 3 56240 56240 160 20 augu Orig augu Orig 10 502 augu Orig 263 23 60 9
U.S. #246 Pet, etal 4 7 Pitté Pitté Pitz 0	Piet U.S Stratel (Mobil) Piet 170.35 -3 01500.00 -3 01500.00 -3 01500.00 -3 000000000000000000000000000000000000	US Maralo, Inc., eta Lucation Pranio hor Studies Sto	Coop Prod. (M88 Reg.//2) 58940	Store State - Posto Prod. Sime 7 L 4700 State 7 - L 4700 State	Pogo (Crevron) Pogo F > 24603 Pogo F > 2004 24603 U S. Pogo (Crevron) Pogo F > 2004 33215 12529 24603 17 17	U.S. Philips HBP E-1932 Yorks Pet 2tal 12 1-39 V 4255 135 21 Torks 16
P.173	32 *** Connally-	1/4/0150 ; 94096 	Siver Fred	2 μας er σ/ (pre)	•' _{p2}	Totes 16 Phillips NBP 1752 16 Phillips NBP 1752 16 Phillips 1552 16 Philips 1552 16 Phillips 1552
Streft of ESUGNI (ESUGNI 77058 	Strate Prod (Excon) 17058 8 (Excon) (2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	C.W. IBurington , C.W. (Burngton regime (F. Brington , C.W. (Burngton (F. Brington , C.W. (Burngton (Mercin 1003)	Burlington Permet	Pro (1 Tocs) V 4580 100 100 100 100 100 100 100 100 100 100	Sin L, 176 Davis + Calines 9819	KHL, Inc. 932.504 932.504 125.22 Texaco 1
¹ ¹ ¹ ¹ ¹ ¹ ¹ ¹	Page (Exxon) 8127 1937 Page Prod. 5 20 3 6 Page Prod. 5 41 7 Page Prod. 5 41 7 Page Prod. 5 41 7 Page Prod. 6 Page Prod. 9 Page Prod. 6 Page Prod. 9 9 6 Page Prod. 9 8 6 Page Prod. 9 6 7 Page Prod. 9 6 7 Page Prod. 2 7 6 Page Prod. 2 7	100 100 <th>Gent Sec.) (Pres) (Chevron) Any Sec.) (Pres) (Chevron) Sere Sec.) (Pres) (Chevron) Sere Sec. (Pres) (Chevron) Sere Sec. (Pres) (Chevron) 1000 Prod 6 - 4 " = 100 12 0 25 - 13 € 230 - 4 € 2</th> <th>Visit Jie Srare 33376 WitchellEn, Podo Prod. (Cal-Montal) v-3526 (Prod)to Prod)to Prod)to Carsepto Carsepto Carsepto Carsepto Prod Pr</th> <th></th> <th>U.S. Tresoco 51971 Texoco 51971 500559 K65 29 0 Tresco 1797 600559 29 0 </th>	Gent Sec.) (Pres) (Chevron) Any Sec.) (Pres) (Chevron) Sere Sec.) (Pres) (Chevron) Sere Sec. (Pres) (Chevron) Sere Sec. (Pres) (Chevron) 1000 Prod 6 - 4 " = 100 12 0 25 - 13 € 230 - 4 € 2	Visit Jie Srare 33376 WitchellEn, Podo Prod. (Cal-Montal) v-3526 (Prod)to Prod)to Prod)to Carsepto Carsepto Carsepto Carsepto Prod Pr		U.S. Tresoco 51971 Texoco 51971 500559 K65 29 0 Tresco 1797 600559 29 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	**************************************	Pogo Proul ::::::::::::::::::::::::::::::::::::	11010 1 100 1101 100 1100 100 1000 100 1000 1000 1000 1000 1000 1000	1 1 03 P278 Pogo Prod 928 V-3527 92 I 928 J 928 J 928 J 928 J 928 J 928 J 928 J 928 J 928 J 928 J 927 J 928 J 927 J 927 J 928 J 928 J 927 J 92	Senwell Ener 2	U.S. NBP E.1972 / Kirelin 2-3 2006 /
HBP 18848 Poge Prod. Pog 2 + 48 - 3 VA 1148 - 4 + 57 - 3	da 0.0442 0.1367213672 0. 3.1267 1.4267 1.426 9 1 93 9 1 93 9 1 93 17061 2.222 2.426 1. 122 2.222 2.426 1. 122 2.222 2.426 1. 122 2.222 2.426 1. 122 2.426 1. 123 2.426 1. 124 4. 124 4. 125 2. 126 4. 127 2. 127 2. 128 4. 129 2. 129	US Vates Pet. etal Vates Pet. etal VB - 186 saist / 2 vares for providence of the saist of	414 1) #14 13 834 9954 9954 9 FIOS 19 10 10 10 10 10 10 10 10 10 10 10 10 10	• F207 JANN WG Ross C 10472	EXHIBIT "A- ONE MILE RAIDU POGO PRODUCING WBR FEDERAL UNIT "J" SEC	IS MAP









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

EXHIBIT "D" RIG LAYOUT PLAT POGO PRODUCING COMPANY WBR FEDERAL # 4 UNIT "J" SECTION 13 T22S-R32E LEA CO. NM





HAND AJUSTABLE CHOKE



WBR FEDERAL # 4 UNIT "J" SECTION 13 T22S-R32E LEA CO. NM .

