DISTRICT 1 P. O. Box 1980 Hobbs, NM 88241-1980

DISTRICT II P. O. Drawer DD

Artesia, NM 88211-0719

DISTRICT\_III 1000 Rio Brazos Rd. Aztec, NM 87410

State of New Mexico Energy, Minerals, and Natural Resources Department

Form C-102 Revised 02-10-94

Instructions on back

Submit to the Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

AMENDED REPORT

# OIL CONSERVATION DIVISION P. 0. Box 2088 Santa Fe, New Mexico 87504-2088

DISTRICT IV P. O. Box 2088 Santa Fe, NM 87507-2088 WELL LOCATION AND ACREAGE DEDICATION PLAT

~ ~

API Number			<sup>2</sup> Pool Code		3 Poc							
	n	DIL M	83320					1		-		
		345,7 1	1 ·		A	Qua	11 K1	dge N M	orr	ow Gas		
* Property Cod 2 <del>223</del> 1	ie <u>23847.</u>	<sup>5</sup> Property N		PIPELI	NE DE	ΈP	FEDER	AL "5"			* Well Number	r
'OGRID No.	<u>x Jo /C</u>	<sup>8</sup> Operator N							······		9 Elevation	
014245		· · · · · · · · · · · · · · · · · · ·		TADOR	PETRE	JLE	UM COF	PORATIO	N		3851	•
				" SUI	RFACE	LO	CATION	I				
UL or lot no. LOT 3	Section 5	Township 19 SOUTH	Rang 34 EAST,			Feel	from the 875'	North/South		Feet from the 1850'	East/West line WEST	County LEA
	L	" BOTT(	OM HOLE	LOCAT	ION IF	'DI	FFERE	NT FROM	SI	l		
UL or lot no.	Section	Township	Range								East/West line	County
<sup>12</sup> Dedicated Ac	13 10	int or Infill	14 Consolidatio	- Codo	15 Order	N-		<u> </u>				
320		ant or mini	··· Consolidatio	n code	" Urder	NO.						
										TERESTS HA		
16 / / /	CO	NSOLIDATED	OR A NON	-STANDA	ARD UNI		AS BEEN	APPROVE	DB	Y THE DIVIS	ION	
$\uparrow$		1 1	/ / -/ /	<del>   - </del> -	-/ /		··· <i>}</i> −− <i>∤−−−</i> ∣	+ + + + +	7	<b>OPERATO</b>	R CERTIFIC	ATION
+							1		+		lify that the inf	
		87	5'				i		$\downarrow$	contained her	ein is true and	complete
		i					1			to the best of	' my knowledge d	nd belief.
		4							11	Signature	1.10	
<b>~</b>	- 1850'-						1		+	JA 4	1 Kell	
+		1					1		+1	Frinted Name		
Ł							i		+	John W.	Bell	
$\downarrow$		i								Title Drillin	a Managa	
Ţ		I					1			DITITI	ig Manage	<u> </u>
		1					1		ΤI		er 8, 199	9.8
T							1		71			
1		Î					i		+	SURVEYO	R CERTIFICA	TION
+		i F					i i		+			
+		l					i		+		ertify that th	
+	-///	+-++	/////////////	+-+-+			4	++		plotted from	own on this p field notes of	lat was f actual
		1					1			surveys ma	de by me or	under
		l					1				ision, and th	
							1			best of my	e and correct belief.	to the
			1				Ì				00//0//	
		1	1				i			Date of Survey	7	
			i				į				IST 25, 1998	
		1					1			Signature and Professional S	Seal of	
[									- 1	A ALL OU	Jecoso ME	
			1				1			fr Strack		λ
							1			H * V.	LYNN Y	Ŋ
		l l					1			T A PI	ZNER /	Й
		1	1				1			1 also	7920	B
		1	1				i			C A C A C A C A C A C A C A C A C A C A	m	pen
		i					Ì			V. L. HEDZINI	EBun SH.P.S.	<b>#79</b> 20
L							 		┙┟	JOB # 891	4BSEF72 NE	/ JSJ

## **APPLICATION FOR PERMIT TO DRILL**

### MATADOR OPERATING CORPORATION PIPELINE DEEP FED "5" #2 875' FNL & 1850' FWL SEC. 5, T19S, R34E LEA COUNTY, NEW MEXICO

In conjunction with Form 3160-3, Application for Permit to Drill, Matador Operating Company submits the following items of pertinent information in accordance with Onshore Oil and Gas Order Nos. 1 & 2, and with all other applicable federal and state regulations.

1. <u>Geologic Name of Surface Formation:</u>

Permian

#### 2. Estimated Tops of Important Geological Markers:

3341'	+ 530'
3761'	+ 110'
5721'	-1850' +
7781'	-3910'
9436'	-5565' +
9636'	-5765' +
10501'	-6630'
10666'	-6795'
10716'	-6845'
11796'	-7925'
12131'	-8260'
12226'	-8355'
12486'	-8615'
12811'	-8940'
12996'	-9125'
13191'	-9320' *
13481'	-9610' *
13750'	-9879'
	3761' 5721' 7781' 9436' 9636' 10501' 10666' 10716' 11796' 12131' 12226' 12486' 12811' 12996' 13191' 13481'

\* = Primary Reservoir Targets

+ = Secondary Reservoir Targets

3. Estimated Depths of Anticipated Fresh Water, Oil, or Gas:

Upper Permian Sands	0-300'	fresh water
Delaware	5721'	oil
1st Bone Spring SS Mbr	9436'	oil
Middle Morrow Clastics	13,191'	gas
Lower Morrow	13,481'	gas

The ground water will be protected by setting 13-3/8" surface casing at 425' and circulating cement back to surface. The productive Morrow horizons will be protected by setting 5-1/2" production casing at TD with cement tied back to approximately 9000', if Bone Spring is productive or 500' above upper most productive zone.

#### 4. <u>Proposed Casing Program:</u>

<u>Hole Size</u>	Interval	Casing OD	Description
25"	0-40'	20"	Conductor, if necessary
17-1/2"	0-425'	13-3/8"	48#, H-40, ST&C, New, R-3
11"	0-4000'	8-5/8"	32#, J-55, LT&C, New, R-3
7-7/8"	0-10,200'	5-1/2"	17#, L-80, LT&C, New, R-3
7-7/8"	10,200-13,800'	5-1/2"	17#, S-95, LT&C, New, R-3

#### Proposed Cement Program:

20" Conductor:	Ready-mix poured to surface.
----------------	------------------------------

- 13-3/8" Surface Casing: Cemented to surface with 115 sx Permian Basin Filler Cement & 200 sx Class "C" +2% CaCl2 tail. Float equipment: Texas Pattern shoe with an insert float valve above the shoe joint and 2 centralizers. The shoe and first collar will be welded. One plug will be used to displace cement.
- 8-5/8" Intermediate Casing: Cemented to surface with 1300 sx Interfill "C" & 200 sx Class "C" + 2% CaCl2 tail. Float equipment: Float shoe with a float collar 1 joint above the shoe joint and 12 centralizers. The shoe and float collar will be welded. One plug will be used to displace cement.
- 5-1/2" Production Casing: Cement 1st Stage: 550 sx Super Modified H w/ 0.4% CFR-3, 0.5% Halad 344, 1# salt & 5# Gilsonite.
  Cement 2nd Stage (If necessary) +/- 700 sx Interfill "H" w/ 5# Gilsonite followed by 100 sx "H" neat.

#### 5. <u>Pressure Control Equipment:</u>

The blowout preventer equipment (BOP) shown in Exhibits D & E will consist of a double ram-type (5000 psi WP) preventer and a bag-type (hydril) preventer (3000 psi WP). Both units will be hydraulically operated and the ram-type preventer will be equipped with blind rams on top and 4-1/2" drill pipe rams on bottom. Both BOP's will be nippled up on the 13-3/8" surface casing and used continuously until TD is reached. All BOP's and accessory equipment will be tested to 1000 psi before drilling out of surface casing. Before drilling out of intermediate casing, the ram-type BOP and accessory equipment will be tested to 5000 psi and the hydril to 70% of rated working pressure (2100 psi).

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. A 2" kill line and 3" choke line will be included in the drilling spool located below the ram-type BOP. Other accessories to the BOP equipment will include a kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold arc 5000 psi WP rating which is shown in Exhibit F.

#### 6. Proposed Mud System:

The proposed mud system will be a combination of fresh water, brine, cut brine, and polymer gel. The depths and mud properties of the mud system are listed below.

<u>Depth</u>	<u>Type</u>	Weight (ppg)	Viscosity (sec)	Waterloss (cc)	<u>ph</u>
0-425'	Fresh Water	8.3-8.8	28-30	Not Critical	9-10
425-4000'	Brine Water	8.8-10.2	28-30	Not Critical	9-10
4000-12,900'	Cut Brine	8.5-9.0	28-30	Not Critical	9-10
12,900-13,800	Polymer/Gel	9.0-9.8	30-32	<10	9-10

Sufficient mud materials to maintain the above mentioned mud properties and meet minimum lost circulation and weight increase requirements will be kept at the location at all times.

- 7. <u>Auxiliary Well Control and Monitoring Equipment:</u>
  - A kelly cock will be kept in the drill string at all times.
  - A full opening drill pipe stabbing valve (inside BOP) with proper drill pipe connections will be on the rig floor at all times.
  - A mud logging unit complete with H2S detector will be monitoring drilling penetration rate and hydrocarbon shows from 5200' to TD.
- 8. Drillstem Testing, Logging, and Coring Programs:

- Drillstem tests will be run based on shows encountered while drilling.
- No logs are planned for the 11" hole section. The electric logging program for the 7-7/8" hole sections will consist of GR-Dual Laterolog MLL-BHC Sonic and GR Compensated Neutron--LithoDensity from TD to intermediate casing. Selected sidewell cores and RFT's may be taken in zones of interest.
- No conventional coring is anticipated.

#### 9. Abnormal Conditions, Pressures, Temperatures, & Potential Hazards:

No abnormal pressures and/or temperatures are anticipated. No hydrogen sulfide or other hazardous gases or fluids are known to exist in this area. No major loss circulation zones are expected.

#### 10. Anticipated Starting Date and Duration of Operations:

The anticipated start date will be October 1, 1998. Once commenced, drilling operations should be completed in approximately 45 days. If the well is productive, another 30 days will be required for completion work and facility installation.

### SURFACE USE PLAN MATADOR OPERATING COMPANY PIPELINE DEEP FEDERAL "5" #2 875' FNL, 1850' FWL Sec 5, T19S, R34E, N.M.P.M. LEA COUNTY, NEW MEXICO

- 1. EXISTING ROADS Area map, Exhibit "A", is a reproduction of the appropriate part of the U.S.G.S. New Mexico 7-1/2 minutes quadrangle. Existing roads are shown on the exhibit and the road to be used on the referenced well is marked. All roads shall be maintained in a condition equal to that which existed prior to the start of construction.
  - A. Exhibit "A" shows the proposed exploratory well site as staked.
  - B. <u>Directions:</u> From Hobbs go West on US62 for 24.8 miles, go North 2.9 miles on lease road, then SE 1.7 miles, then N 3.4 miles, then NE 0.4 miles on trail road to a point +/- 2500' SW of location.
- 2. PLANNED ACCESS ROADS Existing lease roads with an extension of approximately 2500' of new road from existing location.

#### 3. LOCATION OF EXISTING WELLS ON A ONE-MILE RADIUS

- A. Water wells <u>NA</u>,
- B. Disposal wells <u>NA</u>.
- C. Drilling wells <u>NA</u>.
- D. Producing wells As shown on Exhibit "C".
- E. Abandoned wells As shown on Exhibit "C".
- 4. If upon completion, the well is a producer, Matador Operating Company will furnish maps or plats showing On Well Pad Facilities, and Off Well Pad Facilities (if needed) on a Sundry Notice before construction of these facilities starts.

#### 5. LOCATION AND TYPE OF WATER SUPPLY

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

### 6. SOURCE OF CONSTRUCTION MATERIALS

If needed, construction materials will be obtained from the drill site's excavations, or from a local source. These materials will be transported over the access route as shown in Exhibit "A".

### 7. METHODS FOR HANDLING WASTE DISPOSAL.

- A. 1. Drill cuttings will be disposed of in the reserve pit.
  - 2. Trash, waste paper, and garbage will be contained in a fenced trash trailer to prevent wind-scattering during storage. When the rig moves out, all trash and debris will be hauled to an approved land-fill site.
  - 3. Salts remaining after completion of the well will be picked up by the supplier, including broken sacks.
  - 4. Sewage from trailer houses will drain into holes with minimum depth of 10'00". These holes will be covered during drilling and back-filled upon completion. A "porta-john" will be provided for the rig crews. This will be properly maintained during the drilling operations and removed upon completion of the well.
  - 5. Chemicals remaining after completion of the well will be stored in the manufacturer's containers and picked up by the supplier.
- B. Remaining drilling fluids will be allowed to evaporate in the reserve pit until the pit is dry enough for back-filling. In the event drilling fluids will not be evaporated in a reasonable period of time, they will be transported by a tank truck to a state approved disposal site.

Water produced during testing of the well will be disposed of in the reserve pit. Oil produced during testing of the well will be stored in test tanks until sold and hauled from the site.

#### 8. ANCILLARY FACILITIES

No camps or airstrips will be constructed.

#### 9. WELL SITE LAYOUT

- A. Exhibit "B" shows the proposed well site layout.
- B. This exhibit indicates proposed location of the reserve pits and trash trailer.
- C. Mud pits in the active circulating system will be steel pits and the reserve pit is proposed to be unlined, unless subsurface conditions 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 a poly-ethylene liner. The pit liner will be a minimum of 6 mils thick. The pit liner will extend a minimum of 2'00" over the reserve pit 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 dry hole.

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 levelled and contoured to conform to the original and surrounding area as closely as is possible. Drainage system, 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 pad and surface facilities. After the area has been shaped and contoured, topsoil from the soil pits will be placed over the disturbed area to the extent possible. Revegetation procedures 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.

#### 11. OTHER INFORMATION

- The area around the wellside has moderate to high dunes with deflation basins 1-2 A. meters deep, shin oak, yucca, sage brush, mesquite, broom weed & various grasses.
- The surface use is grazing and the lease is Ken Smith, Inc., P. O. Box 764, Carlsbad, Β. NM 88221.
- An archaeological study has been conducted for the location and road. The report C. will be submitted under separate cover.
- D. There are no buildings in the area.

#### 12. **OPERATOR'S REPRESENTATIVE**

Matador Operating Company's field representative for contact regarding compliance with the Surface Use Plan is:

Before, during, and after construction: John W. Bell 8340 Meadow Road #158 Dallas, TX 75231 Office: 214-987-7144 Res: 972-818-8778 Mobile: 214-214-7670

#### 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, true and correct; and that the work associated with the operations proposed herein will be performed by Matador Operating Company and its contractors/

subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Name: <u>h l Sell</u> John W. Bell

**Drilling Manager** 

Date: <u>9-8-98</u>



Figure 1. Location of The Matador Petroleum Corporation's Proposed Access Road Connecting The Pipeline Deep Federal Com. "5" Well No. 2 (875' FNL; 1850' FWL) and The Deep Federal Com. Well No. 1 (660' FSL; 1650'FWL) in Section 5, T19S, R34E, NMPM, Lea County, NM. Map Reference: USGS 7.5' Series, Ironhouse Well, NM, 1984, (32103-F5).

-21-1998 10:40AN1 FROM TOPOGRAPHIC 9156821743



P. 2

Pipeline Deep Federal 5 #2 875' FNL, 1850' FWL Section 5, T19S, R34E Lea County, New Mexico

> Exhibit "B" Wellsite Plan



-1-D /	L63228 Jrure		Etul to tool Store	trate [][14		State
Seely Oil Seely Oil	42.8 − 45 − 45 − 45 − 45 − 45 − 45 − 45 − 4	1932 Floud J Meratt 1932 A Oper Swie Allow Allura they Toasal Ollard Allura they	Seely () Stat ( (Attantic) 14 State ( Menethon) Seely () (Wol (Menethon) Galactic () Seely () (Attantic) Seely () (Seely () ()	• Ray Westall • (SantareEner) Feimont, '4 to 4800	Nadel e, Gussman	Nadel E, Gussman
Mobilio Mobili Fed III Calibri 24595 State	Trian Trian and Trian Tr	Yuku Per Chaud Sukasa: Oli Par Costar - Ostar Mabil Carron Mabil Carron Eapl.	PROPERTY OF A SEPTEMBER OF	R. Shell St. 010320	LG-2731	LG-2730
4595 Cat 4 4 4 Carper	To start	Fox-Fed	CENTRAL EK OF		P200	P 370 Texaco N 44:57 NCT: Tra 10,155
	13 (Lut Serv)	Seely Oil Mathi Seely Oil Jones feel Jones feel Leas I Jones to		(Real ph Nix) (Richardson Oiletal) HOP E: 1519	(Seay Expl) -15 JEGSE 34 J. 1987 34 (real pist) 34 (real pist) 44 (real pist) 45 (real pist) 46 (real pist) 46 (real pist) 47 (real pi	9 Pasil - H.B.P.
Kennern Smith, Iric Oil 94	Liters Wabin Trog EKONUH OLD Garrer Swiey In Olge		L6-1125	E-1519 IU	Tomo-St.	F689 Sinclair 697 8-3011 To 5500 DA 1013-60
TOUS Mobil	Kenneth Smith, Inc. SubeyFed	0.5	7	State	"Airstrip-St." "Tonto-St." State	"Tanto-St." Store
Texaco 3 66638 * CB*	A.R.C.U. Kenneth Osc J + 10 E. 310 E. 310 Kenneth Osc J + 10 A.R.C.U. Kenneth Osc J + 10 A.R.C.U.	I Cingrom Skol. 2. Tr Skol 2. Skol	Melanes Res.	YatesPet.etal Richardson & B.I.99 BassEnt.etal V. 4420 HBP	Ralph Nix) PSA Prod. (Tritenveg) 1 Richardson (il) 1 (061633	Conce 06.1633
Alguatoring of the stars.	E.316 Smith/Inci A3645	Mobili Phillips K guera 12 9 1931 K Stum	McInnes Res. 4.4.99 5.19.99 10.9.99 10.9.99 McDisc. 1001 McCost. MCCost. MCC	v. 4420 HBP 57 99 E-5014 Cont'i.	Cubulan (Curtis, Cubulan	Forest Meridian
bise of the 2 bis Sers TD 4341	Sine (TG) Cit Ser Sur Sur Sur Sur Sur Sur Sur Sur Sur Su	Inc. (S) FEE INGS	(O'Nenti) Total aver 20 Yates Pet, eta)		Trorestir S.L.	(a) 5/076 (10/29) (20/20) (7/100) 10/4800 (0) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1
3 Tiwin Montana bose afan to base of Bn Sprs	· · · · · · · · · · · · · · · · · · ·	Mobil Mobil HBP	T04455 20 1.1.99 2 v.4266 2 v.4266 Xenneth 5299	ET Kinney	TOASIA LON PSA Pred.	Bass
Mobil	Cimarron 4747 /16	(is 1) 06334 (ia i ) Goran Summerer (iaobil) Paymerer Summerer 20020	Seely Oil Amer.	Yotes Pet. atal 11-1-2000 VB-451 07 20 Wradar at VB-451 07 20 Wradar at	(1) Forism (3) For est S1. Rich Best S1-Con 17 1 To 4845 70 . 60h 1 D 4845 70 . 60h	ε-5014 Υ/ΥΥ
н вр + 04551 - 5.	HBP Corper Siviey Fed. Fed.	US. makemeth Smith Inc	Scharbauer 10 4638	ve dsi er so ve dsi er so dangedarko to dangedarko to dang	Kimbell Gastore Store	State AirstripSt
iwall Engr	Maritana Chuzal Oper Kinney 0245247 Gul Fe Amer Petra		TOCO, LLC	(Contil LE.G. ovick) atol,D/R LE.G. Vick	Ambass of Cont'l White	Yates Pet. etal 3 · 1 · 39 V · 4305
6242 33 <u>00</u> 1dnzano)	Amer from Ancel van Ancel Kelleyer for McElvain And Kelleyer for McElvain And Kelleyer Mansang Churt and Churt and	KGS (1910) 11474, 212700 (1) Find: 1118 (1)	02 152 17 (Amer.Petro.) (Sun)	Yarbrough Oil, S/R (Cont 1   1-1632	Petro Segretri YatesPet etal Allied Fød. 12:1 : 1004	67 <u>72</u> HNG Milseri
1dinzano) Un-Fra	Edith-fed	The har in the second	LA RICA, M.		Roy Pearce (S)	TOIO AND ST TOIO ADD
Faskeri Aquis. #750	TOCO,LLC. Marzane 25 TOCO, Hillier 0245247 0245247 0255eta Marzane 0245247	1 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	11/Sun 2 TO See 29 Rhombus Ever, cho 100 See 29 Rhombus Ever, ch	AM St " MM SI Spectrum ZAT 28 J J Gulf S I Lea St TBASSO Hymnen al	Aribassadar 27 Stata HE (Anadarko) An Disc. Ystas HBP He yaka 11,98 E-1632	ATTOCC B-HQ 22 6 HO ST 5H ST 2-1
26692 6	19448	Fed. " McElvain Fed	Outrist Estant Rhomes	H.E. Yotes Armer 1811 19 34 V 2040 4: ed St. H.E. 3	Det Diss. 76 2 Connect	TD4504 (Yotes Pet, etai)
'Fed." U S.	Heshin Hest US Hothan Duroth	Toco Lie Me Elvan T.F. Seale Francis	Smith Inc.	124803 NE 3	+ #Kay-St. State +014792	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
icola di U Westin Brig	Baber i u iMgmt Co. 2 Well Serv. 935 Hilp (201	Dravac Exxon (Hilling OEG)	fihambus Matador Pet. Ener. 4 20.75 Gayer Francis HBC 40.29 HBC 40.29	Rich. & Boss Ent. etai HBP K 500	Rich. & Bass Provell Ent. etal 12:12001 Hap Vid-510 E-5014 1450	Hand a start a
s etal († 382) 1943 58	Baber I (I Inspecto 2 Well Serv. Pass Nail [22] LG:2494 [W. Things (Stratco Oper.) [Charge Coll to iog bet Morr.	Jugian & Ibex Kaiser-	Watadar (Matadar Pet)	HBP K SOCI	E 5014 1 1450 22	Ynter Pat Str79
DAA 12-4-55	ta 100' bel Morr. NW/4 		HBC	·····	···· ↓ ··928	11-19072 Maratillari 11-19072 5-1-2001 7299 V-4853 75052
MEW Inc)	EP-IE-IAva OC	H B.P. 92760	Rhambus Ener. etal         2         2         2         3         2           Pronghorn Mamil         4         20         75           VA • 473         4         20         75           (Maybaure)         4         22         75           (Maybaure)         4         22         75	JJ Union P Ppelipe-67 (Pre)	34 Meridian	36 1302
e+)	"51.LG 2484 " "N.M51 "	10ex 14 or 4e 1069457 Mewbourne Cel 80173	(Membourne) 4022 (Membourne) 4022 Lanca 32-31 402 Texaco	Tam Brown	(wo) 1013650	Eastland Middamer Ad, William Eastland Middamer St. State
H	State State	U.S. 25592	H.B.P. I Statel B. 14461	Marathan St. IDI2 670 SA 1:5 54 D' State	State 🐨-	Union St. 14 (1 358) TOSO38 TOSO38 TO SO 66 OVAIL 5 62 State (AB) 0/4 2 14
						LWATE 5-62 318 MECH W D/A 2-14
4418AC, 214430 Ac 1 (0)	A 514 44 8/4 3 Las 094 245 3 4 Near 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1017 6 1 41 101 11 41 44 11 38 81 4 10 Matadar fet.) 3 Humble	Ar Mar al Martin Pradada Ar (1949) Ar Ar 133 (Matadar Pet.) Kirkin Hau	Mabil I Agache HBP Matagaret.	4)][4 / 4/184   144 244 214 184   4 (Matador Pet.) 	41) L. HAIL PART PARTA
44444 214130 A. T	A Star Ang y As 3 Las Osans US 3 A (Neder 1 1 ) Star 1 (Neder 1 ) (Neder 1	M et 4 Mearburg Pet D74 4 6 4	(Matador Pet.)	Mabil I Anacha Mabil I Anacha 4 B P Matadar Set. 04519 Iod 14 Matador Pet DA	4 11 (Matador Pet.) 1 (Matador Pet.) 	4034 01 00 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
01.17 M EAS	A 112 A	Nearburg Per Di 14998 11,025'- 13,245	(Altidor Pet.) (Altidor Pet.) (Fed. Link Ma (Fed. Link Ma (For altidor Pet.) (Fed. Link Ma (For altidor Pet.) (Fed. Link Ma (Fed. Lin	Mabil Mabil Hageche Hangrott Od519 Matodor Pet DR	(Matadar Pet) (Matadar Pet) (Matad	4034 01 00 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Mil.	Mearburg   Expl.   0 <sup>3</sup> (Orys)   0 <sup>3</sup> 58941 1-K ((Mil)s) **   0'Wills	Nearburg Peri Nearburg Peri 1(225 <sup>-1</sup> 1,244	P S. (Matadar Bet)	Mabil Magacha u B P 04519 Matador Petron 10474 Origination 10474 Origination 10474 Origination 10474 Origination 10474 Origination 10474 Origination 10474 Origination 10474 Origination 10474	(1) (Motador Pet) (Motador Pet) (Marr. Nath. Pet. (Marr. Nath. Pet. (Marr. Nath. Pet. (Marr. Nath. Pet. (Marr. Nath. Pet. (Len Mayer) (10, 0, 230 (Marr.) 3 0/A123 164 Umor.	4/34 0/411. 1/0/11. 1/0/11. Yates Pet, etal 6 1 - 2001 104 12 1 104 12 1 Marmine Bessil Fras 0 63 Keric 066
I MAIL	Каранананананананананананананананананана	Hearburg Per Hearburg Per 11,025 <sup>-1</sup> ,124 <sup>0</sup> Buffold Fed. Buffold Fed.	(11-13) (Mutador Pét.) (11-14-14) 1480	Mabil Mabil Magache Nagache	(Matador Pet.) Mati A Mar. Nat. 144 and 2 and 2 Mati A mer. Nat. 1. Pet. () Sa Shapener. Saos Sa Shapener. Saos (a) (Len Mayer) WAG OKA12-3 64 Union 3 OKA12-3 64 Union 5 (Coguing) Masir Mati Mati 1000400 (Coguing)	4/14 0/4/14 1/0/114 //0/014 Yates Pet, etal 4/14 //04 /2 L 4/14 //04 /2 L 4/14 //04 /2 L 4/14 //04 /2 L 1/4/14 //0
2	***         ***         4312           ***         Nearburg         3           ***         (Mil)         3           ***         (Mil)         1           ***         (Mil)         1           ***         (Mil)         1           ***         (Wil)         1           ****         (Wil)         1           *****         (Wil)         1           ******         (Wil)         1           ************************************	Nearburg Per Nearburg Per 11,025 <sup>-1</sup> ,124 <sup>0</sup> Buffald Fad. Distar Matador Pet. (Nearburg), 2 S.7Mil. S.5Mil. S.5Mil. S.5	(Herdad Fet.) Ergin III For Jinn Hell Source State Source State Hell I State For Siviey Hell I Siviey For Siviey Geogram Matador Hell I Siviey For Sivies	Matadir H a P H	(1) (A (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	4/34, 0/4/14, 1/0/116, 1/0/116, Yates Pet, etal 5 - 1, - 201 104 12 _ Marynni - 2
2	***         ***         4 312           ***         Nearburg         3           ***         (Mil)         3           ***         (Mil)         1           ****         (Mil)         1           *****         (Mil)         1           ******         (Mil)         1           ************************************	Herburg Per Hearburg Per 1(825'-13,244 Buffold Fad. 3'BAA T Matador Pet. (Nearburg) 24 *Pipeline Deep" U.S. Matador *Pipeline Deep" U.S. Matador *Pipeline Deep" U.S. Matador *Pipeline Deep" U.S.	Artis (Matador Pet.) Gran Line Hou Polation 2-55 Dialogna - 200 Solution -	Mabil Mabil H B P 04519 Matador Petron Matador Petron Matador Petron Matador Petron Matador Petron Matador Petron Matador Petron Matador Petron Mabil H B P Mabil Matador Petron Mabil H B P Mabil Mabil Matador Petron Mabil H B P Mabil Mabil Mabil Mabil Matador Petron Mabil Mabil Mabil Mabil Mabil Mabil Matador Petron Mabil	Mattador Pet) Martador Pet) Mart Amer. Nath. Pet. Son Remptor S303 Ca of the Stu: (Len Magter) WAG WAG WAG WAG WAG WAG WAG WAG	4/34, 0/4414. 1/0/114. 1/0/014. Vate Pet, etal 6 - 1 - 2001 0/4 2
NHIL NEARDUNG EAD INFORMATION BUFFOID 21-ST	***         ***         4312           ***         Nearburg         3           ***         Nearburg         3           ***         (Mil)         1           ***         ***         ***           ***         (Mil)         1           ***         ***         ***           ***         ***         ***           ***         ***         *** <td>Herburg Per Hearburg Per 1625-1224 Buffald Fad. Buffald Fad. Buffald Fad. 1665 Pipeline Deep U.S. Matador Pet. Pet. Pet. Kag Go To U255-2</td> <td>Artis (Marador Pet.) For internet How For internet How For internet How For internet How South of the set Marador Hau I and For internet Marador Posting S. Date is as Marador Pet. Marador</td> <td>Matadar Pet. Matadar Pet. Ma</td> <td>(Motador Pet) Mat Amer. Natil. Pet. Mat Amer. Natil. Pet. Natil. Pet. Mat Amer. Natil. Pet. Natil. Pet.</td> <td>4/14 0/411- 1/0/11. /0/01. Yates Pet. etal 5.1. 2001 10412 L Marmin S. Marmin S. M</td>	Herburg Per Hearburg Per 1625-1224 Buffald Fad. Buffald Fad. Buffald Fad. 1665 Pipeline Deep U.S. Matador Pet. Pet. Pet. Kag Go To U255-2	Artis (Marador Pet.) For internet How For internet How For internet How For internet How South of the set Marador Hau I and For internet Marador Posting S. Date is as Marador Pet. Marador	Matadar Pet. Matadar Pet. Ma	(Motador Pet) Mat Amer. Natil. Pet. Mat Amer. Natil. Pet. Natil. Pet. Mat Amer. Natil. Pet.	4/14 0/411- 1/0/11. /0/01. Yates Pet. etal 5.1. 2001 10412 L Marmin S. Marmin S. M
Decreta 21-94	A Performance of the second se	Here A Construction of the second of the sec	Alt 1 (Matador Pet.) Erdi Little Hei Erdi Little Hei Erdi Little Hei Erdi Little Hei Bissenie Feel S geli Discher Hei Hei Hei Hei Hei Hei Hei Hei	Matador Pet, DR Matador Pet, DR Matador Pet, DR Matador Pet, DR Matador Pet, DR Matador Pet, DR Matador Pet, DR	Guiffe A 1134 1144 24 & 21 & 21 & 21 & 21 & 21 & 21	4:14 01411- 101111. 10114. Yates Pet. etal 5:12 2001 10412 L Marmin Control 10412 L Marmin Contro
	A rear burg Expl (Oryx) Sasat +k Negrburg Fed UFraio- Fed (Millen Oil) G-133 Negrburg Bison-Fed (Mellen Oil) G-133 Negrburg Bison-Fed (Mellen Oil) Cartoce Alton Negrburg Bison-Fed (Mellen Oil) Cartoce Alton Negrburg Bison-Fed (Mellen Oil) Cartoce Alton Negrburg Bison-Fed (Mellen Oil) Cartoce Alton Negrburg Cartoce (Mellen Oil) Cartoce Cartoc	Herring Peril Herring Peril Herring Peril Herring Peril Herring Peril Buffalo Fed. JIMAR P. Matadar Pet. (Nearburg) 2. Pipeling Deep U.S. Matadar Pet. Herring Peril Pet. Herring Peril Herring Peril Heri	Artis (Marador Pet.) For internet How For internet How For internet How For internet How South of the set Marador Hau I and For internet Marador Posting S. Date is as Marador Pet. Marador	Matador Pet, Jaka Jaka Jaka Jaka Jaka Jaka Jaka Jak	Guiff A 1144 1144 24 A 24 A 24 A 144 44 (Moltador Pet) 	4/14 0/4/14 1/0/114 //0/014 Yates Pet, etal 5 / 1. 2001 V.4890 104 12 L Marmine Standard Standard Heren Size
All and a second	A rearburg Expl Expl Expl Expl Expl Sasser Nearburg Bison-Fed Viscours Page 0 Nearburg Bison-Fed Viscours Prozent Nearburg Bison-Fed Viscours Prozent Nearburg Bison-Fed Viscours Prozent Nearburg Bison-Fed Viscours Prozent Nearburg Bison-Fed Viscours Prozent Nearburg Bison-Fed Viscours Prozent Nearburg Bison-Fed Viscours Prozent Nearburg Nearburg Prozent Nearburg Prozent Nearburg Proz	Werk     Werker       Nearburg Per     Dia 4-852       1(225'-12.24)     Dia 4-852       Werker     Matader Pet       Buffold     Fad       B'BAAR     Matader Pet       Nearburg)     2.       B'BAAR     Matader Pet       Nearburg)     2.       B'BAAR     Matader Pet       Nearburg)     2.       Matader     Matader Pet       B'BAAR     Matader Pet       Matader     1.       Morrew Diece     1.       Morrew Diece     1.       Matader     1.       Martin     1.       Matader     1.       Morrew Diece     1.       Matader     1.       Matader     1.       Matader     1.       Morrew Diece     1.       Matader     1.       Matader     1.       Matader     1.       Matader     1.       Matader     1.       Mata	Artis (Matador Pet.) Erdi Little Hein Erdi Little Hein S generation of the second s	Matador Pet. Matador Pet.	Convince New Mexico St." State of the second state of the second	4/14, 1/4/14. Profile. Profile. Yates Pet, etal 5. 1. 2001 4. 4890 104 12 L Marmin Bic, BOBMII. Person 0.5 Xeric 0.65 Yates Person 1.5 Person 1.5 Person 0.5 Xeric 0.65 Yates Person 1.5 Person 1.5 (00) Yates Person 1.5 Yates Person 1.5
	A rearburg Expland Expland Expland Expland Expland Sassel + K C w Traine Werrburg Fed. Surface DividedU.S. Page 0 (Mallan Oil) Sassel Nearburg Bison-Fed. 12. Nearburg Bison-Fed. Labor Nearburg Bison-Fed. Labor Nearburg Labor Nearburg Bison-Fed. Labor Nearburg Labor Nearburg Bison-Fed. Labor Nearburg Labor Labor Nearburg Labor Lab	Nearburg Per Nearburg Per 1625'-13.244 Buffold Fad. Distar T Matador Pet. (Nearburg). 4 Propeline Deep" U.S. Matador Pripeline Deep" U.S. Matador Pet. Nearburg). 4 Matador Pet. S.7Mill Buffold Fad. S.7Mill E.S. Matador Pet. S.7Mill S.	(Mardador Pet.) Gradin Hein Peter Liver in Hein Hein I Matador Hein I Matador Hein Matador Hein I Matador Hein Matador Hein I Matador Hein Matador	Matador Pet. Matador Pet. Ma	Chevran Che	4/14 0/ 4/14 - 1/0/114 / 1/0/044 Yates Pet, etal 5. / 2 dai 4. / 200 104 12 L Marmen bet Bonil. 104 12 L Marmen bet Bonil. 1050001 St. Keric OEG 1050001 St. Keric OEG 100000 / 125 20 Streens 100000 / 125 20 Streens 100000 / 125 20 Streens 10000 / 125 20 Str
Loren Loren     Corrent Correl	A Product And A A A A A A A A A A A A A A A A A A	Nearburg Per Nearburg Per Nearburg Per Nearburg Per Buffalo Fad. 31564 P Buffalo Fad. 31564 P Buffalo Fad. 31564 P Per Per Natador Pet. 1600 Morrew Dec Morrew	Alt 1 (Matador Pet.) Erdin III (Matador Pet.) Erdin IIII (Matador Bet.) S metanov (Matador Siview) Hel (Matador Set.) See (Matador Siview) Hel (Matador Set.) See (Matador Siview) Hel (Matador Set.) See (Matador Siview) Hel (Matador Set.) See	Matador Pet. Matador Pet. Ma	Chevron <i>Guiff of the set of a state of a state of the set of the</i>	4/14 1/411- 1/9117. //1917. Yates Pet, etal 5.1. 2001 4.4890 104 12 L Marmen be: BOBMII. Person 0.5 Xeric 0.65 105 200 105 200 100 105 200 105 200 100000 10000
Construction of the second secon	A Page 2 A Page	Nearburg Per Nearburg Per 1625-13244 Buffalo Fad. 17964-7 Matador Pet. Nearburg) 2 Pipeline Deer U.S. Nerdoar Pet. 1488 Morrow Disc String 16140 Morrow Disc String 161400 16140 16140 161400 161400 161400 161400 161400 1614000 161400 161	A 193 (Marador Pet.) Gradian Gradian Distance of the second se	Matador Pet. Matador Pet. Ma	Chevran "Bit of the set of the set of the set (Motodor Pet) "Sa a mer. Nath. Pet. (B) Sa a mer. Nath. Pet. (B) "Nath. Show "Nath. Show "New Mexico. St." State Chevran "Bits" "New Mexico. St." State Chevran "Bits" "New Mexico. St." State 10 State TDISCON 10 10 10 10 10 10 10 10 10 10	4/14 1/4/14 1/4/14 1/4/14 1/4/14 Yates Pet, etal 5.17 2001 10412 L Marmin Stand Stand 10412 L Marmin Stand Stand 10412 L Marmin Stand Stand 10412 L Marmin Stand Stand 105000 Stand Stand 12502 Stand Stand 12502 Stand Stand 12502 Stand Stand 12502 Stand Stand 12502 Stand Stand 100 S
Automatical States and State	Mearburg         4312           Wearburg         03           S8941         14           Curyx         03           S8941         14           March         04           Buffalo         70           Fred         10           Surface DuvdedU.S.         4312           Surface DuvdedU.S.         4312           Pogo o'         (Medilon Oil)           G: 1-33         4312           Nearburg         Nearburg           Bison-Fed.         1015620           Youton         12.           Union         12.           Vistor         132           Surface DuvdeU.S.         12.           Nearburg         Expl.           Union         12.           Vistor         13.2           Stattar         13.2           Stattar         13.2           Stattar         13.2	Werk     With and a state       Nearburg Per     Dia 4-54       Nearburg Per     Dia 4-54       Na 4-54     Dia 4-54       Watador Pet     Dia 4-54       State T     Matador Pet       State T     Matador Pet       Motador     State T       Morrew Dec D     Nation       (72 Mil) St     State T       Morrew Dec D     State T       Morrew Dec D     Nation       (72 Mil) St     State T       Morrew Dec D     State T       Morrew Dec D     Nation       State T     State T       Morrew Dec D     State T       Matador Pet     State T       State T     Matador Pet       State T     State T       State T     State T       Pipeline Dp. Fed     State T       State T     Pipeline Dec P       State T     State T       State T     State T       State T     State T	Artisl (Marador Pet.) Gradian Marador S Justice S Just	Matador Pet. Matador Pet. Ma	Chevran Merico St. (Motodor Pet) (Motodor Pet) (In Magnetico (In Magnetico	4/14 0/410 - 100 110 / 2001 Vates Pet, etal Vates Pet,
Automatic and a second and	Image: Second	Nearburg Per Nearburg Per 1625-13244 Buffalo Fad. 17964-7 Matador Pet. Nearburg) 2 Pipeline Deer U.S. Nerdoar Pet. 1488 Morrow Disc String 16140 Morrow Disc String 161400 16140 16140 161400 161400 161400 161400 161400 1614000 161400 161	Alta and a set of the	Matador Pet. Matador Pet. Ma	Chevran Che	4/14 0/410 - 100 110 / 2001 Vates Pet, etal Vates Pet,
La staturo la si	Image: Second	Werker     With a start       Nearburg Per     Dia 4-54       1025-13.244     Dia 4-54       Watador Pet     Dia 4-54       3'BA-T     Matador Pet       3'BA-T     Matador Pet       100000     Start       9'Detre Deer     US       100000     Pet       1000000     Pet       1000000     Pet       1000000     Pet       10000000     Pet       100000000     Pet       100000000     Pet       100000000000     Pet       1000000000000000000000000000000000000	Alta and a set of the	Matador Pet. Matador Pet. Ma	Chevran Che	4/14 1/411- 1/1111, 1/1111, 1/1111, Yates Pet, etal 5.1 2001 104 12 L Harmen Buc, 1/20 BMill Hermen Buc, 1/20 BMill H
Augusta and a second a s	Image: Second	Nearburg Per Nearburg Per 1625'-13.244 Buffold Fad. Buffold Fad. Bu	A 113 (Matador Pet.) Gradin Matador S Gradin Matador Gal Director Gal Director Gal Director Gal Director Gal Director Gal Director Gal Director Gal Director Hall Matador Hall Matador Hall Matador Content Pet. Hall Matador Pet.	Motodin Petropagine - Fed Were Provided and the second se	Chevran Support of the set of th	4/14 1411 - 1/1111 / 1/111 Yates Pet, etal 5 - 1 - 2001 - 4890 10412 L Harmon West Harmon
August 21	Image: Second	Werker     Werker       Nearburg Per     Dia 4-152       Nearburg Per     Dia 4-152       Natador     Dia 4-152       Buffall     Fad.       Buffa	Alt 1 (Marador Pet.) Gradin Heiu Peter Liver in Heiu Peter Liver in Heiu Peter Liver in Heiu Peter States Marador Heiu I of Peter States Marador Heiu Matador Heiu I of Peter States Marador Heiu Matador Pet. Heiu Matador Pet. He	Motodir Petropa 9 P 04519 04519 10474 10474 Motodir Petropa 10474 104551 10474 10474 10474 10474 10474 10474 10474 10474 10474 10474 10474 104551 10474 10474 10457 10474 10457 10474 10457 10474 10457 10474 10457 10474 104	Chevran Guif Guif Guif Guif Guif Chevran Guif Guif Guif Chevran	4/14 4/4/4 Profile Profile Vates Pet, etal Vates Pet, e
Loren Ever Loren Eve	Mearburg         4312           Wearburg         6313           Expl.         03           S8941         14           Nearburg         64           S8941         14           Nischurg         64           Bison-Fed         103           Surfoce DividedU         5           Pogo o'         (Mellen Oil)           6-193         4312           9 Nearburg         Nearburg           Bison-Fed         9           12.         14374           12.         14312           12.         14312           12.         14312           12.         14312           12.         14312           12.         14312           12.         14314           12.         14314           12.         14314           12.         14314           12.         12.           12.         11332           12.         12.           12.         1332           12.         132           12.         14315           12.         14315           13.         1322	West A.       West A.         Near burg Per       Dia 4.454         Near burg Per       Dia 4.454         Notador Pet.       Buffold Fad.         Dia A.       The fad.         Dia A.       Matador Pet.         Near Dire Deep.       U.S.         Matador Pet.       Negador         New Construction       Negador         Matador Pet.       Negador         Norrew Direct       U.S.         Morrew Direct       State P         Morrew Direct       Negador         Morrew Direct       State P         Morrew Direct       Negador         Morrew Direct       State P         Morrew Direct       Negador         Morrew Direct       State P         Morrew Direct       State P         Morrew Direct       State P         Sawo       Internet P         Sawo <td< td=""><td>A 113 (Marador Pet.) Gradin Marador S Gradin Marador Gradin Marador Gal Disc. S Gradin Marador S Gradin Marador S</td><td>Matador Pet. Matador Pet. Ma</td><td>Chevran Guiff de Table and Ballet (Motodor Pet) (In Marchart Net. (B) Sa a m S Million (In May and San An</td><td>4/14 4/4/14 1/4/114 //4/114 Yates Pet. etal * 1 - 2001 * 4 - 200 * 5 -</td></td<>	A 113 (Marador Pet.) Gradin Marador S Gradin Marador Gradin Marador Gal Disc. S Gradin Marador S	Matador Pet. Matador Pet. Ma	Chevran Guiff de Table and Ballet (Motodor Pet) (In Marchart Net. (B) Sa a m S Million (In May and San An	4/14 4/4/14 1/4/114 //4/114 Yates Pet. etal * 1 - 2001 * 4 - 200 * 5 -
Loren Ever Loren Eve	Image: Section 2010       Image: Section 2010         Image: Image: Image: Image: Image: Image: Image: Image: I	West A.       West Surg Per (1625'-13.24)         Mear Surg Per (1625'-13.24)       Dia 4-844         Buffold Fad.       Buffold Fad.         State P       Matador Pet.         Nearburg Per (Nearburg), 4.       Sage State         State P       Matador Pet.         Nearburg Deep" U.S.       Madador         Pet.       Nearburg         Motador       State         Motador       State         Motador       State         Motador       State         Motador       State         Motador       State         Morrew Dieces       State         Morrew Dieces       State         Morrew Dieces       State         State       State         Morrew Dieces       State         State       State         Morrew Dieces       State         State       State         State       State         State       State         Morrew Dieces       State         State       State         State       State         State       State         State       State         State       State <t< td=""><td>Alt 1 Constant of the secore of of</td><td>Matador Pet. Matador Pet. Ma</td><td>Chevran Guiff de Table and Ballet (Motodor Pet) (In Marchart Net. (B) Sa a m S Million (In May and San An</td><td>4/14 4/4/4 / 10/114 / 10/114 Yates Pet, etal * 4. 2001 * 5. 200</td></t<>	Alt 1 Constant of the secore of of	Matador Pet. Matador Pet. Ma	Chevran Guiff de Table and Ballet (Motodor Pet) (In Marchart Net. (B) Sa a m S Million (In May and San An	4/14 4/4/4 / 10/114 / 10/114 Yates Pet, etal * 4. 2001 * 5. 200
Automatical and a second and a second and a second a	Image: Second	West A.       West Surg Per (1625'-13.24)         Mear Surg Per (1625'-13.24)       Dia 4-844         Buffold Fad.       Buffold Fad.         State P       Matador Pet.         Nearburg Per (Nearburg), 4.       Sage State         State P       Matador Pet.         Nearburg Deep" U.S.       Madador         Pet.       Nearburg         Motador       State         Motador       State         Motador       State         Motador       State         Motador       State         Motador       State         Morrew Dieces       State         Morrew Dieces       State         Morrew Dieces       State         State       State         Morrew Dieces       State         State       State         Morrew Dieces       State         State       State         State       State         State       State         Morrew Dieces       State         State       State         State       State         State       State         State       State         State       State <t< td=""><td>Alta and a set of the set of the</td><td>Matador Pet. Matador Pet. Ma</td><td>Chi Erar Chi Er</td><td>4/14 1414 1/17 1/17 1/17 1/17 Vates Pet, etal 5 / 1 / 2001 104 12 L Wateren we BSMill Wateren Wateren 100 200 100 200 100 200 100 200 100 000 100 000 100</td></t<>	Alta and a set of the	Matador Pet. Matador Pet. Ma	Chi Erar Chi Er	4/14 1414 1/17 1/17 1/17 1/17 Vates Pet, etal 5 / 1 / 2001 104 12 L Wateren we BSMill Wateren Wateren 100 200 100 200 100 200 100 200 100 000 100
Burrala 21- 51 Burrala 21- 51	Image: Second	Wearburg Per     With and a state       Nearburg Per     Dia 4-84       Nearburg Per     Dia 4-84       Natador Pet     Buffoll Fad.       3'BAA T     Matador Pet.       Nearburg Per     U.S.       3'BAA T     Matador Pet.       Nearburg Per     U.S.       3'BAA T     Matador Pet.       'Provine Deer' U.S.     Matador Pet.       'State T     Matador Pet.       'State T     Matador Pet.       'State T     (Matador Pet.       'Attact Pet.'     State Pet.'       'Matador Pet.'     State Pet.'       'State T     (Matador Pet.')       'State Pet.'     State Pet.'       'Attact Pet.'     State Pet.'       'Attact Pet.'     State Pet.'       'State Pet.'     State Pet.'       'Stat	Anison Park and a series of the series of th	Motodi Petropica	Che Ener. Solution Mark Marked Partie (Moldador Pet) (In Marked Pet) (In Ener. (In Ener. (In Ener. (In Ener. (In Ener. (In State Pet) (In	
A L PLANE LINE LINE LINE LINE LINE LINE LINE LI	Image: Second	Wearburg Per     Unit and a state of the sta	Arits (Marador Pet.) Fri Liver Melling Fri Liver	Matador Pet. 4 BP 4 BP 4 BP 4 BP 4 BP 4 BP 4 BP 4 457 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5	Chi Erar Chi Er	4/14 4/4/14 1/4/14 1/4/14 1/4/14 Vates Pet, etal Vates

# MINIMUM BLOWOUT PREVENTER REQUIREMENTS

### 5,000 psl Working Pressure

#### 5 MWP

# Pipeline Deep Federal 5 #2 875' FNL, 1850' FWL Section 5, T19S, R34E Lea County, New Mexico

#### Exhibit "D"

No.	liem	Min, I D,	Min. Nominal
1	Flowline		
2	Fill up hne		2.
3	Drilling nipple		
4	Annular preventer		
5	Two single or one dual hydraulic operated rams	ally	
8a	Drilling spool with 2" min. kill lin 3" min choke line outlets	e and	
6b	2" min. kill line and 3" min. choi outlets in ram. (Alternate to 6a a	ka line bovs.}	
7		le [] 3-1/8*	
8	Gate valve-power operated	3-1/8*	<u> </u>
9	Line to choke manifold .		34
10	Plu	• [] g [] 2-1/16"	
11	Check valve	2.1/16*	
12	Casing head		
13	Valve Gat	• C 1-13/18"	
14	Pressure gauge with needle valv	a	
15	Kill line to rig mud pump manilok		2*

STACK REQUIREMENTS

		_	 	
OPTIONAL				
18 Flanged valve	1-13	18*	 [	
		18-	·	

#### CONTRACTOR'S OPTION TO FURNISH:

- 1.All equipment and connections above bradenhead or casinghead. Working pressure of preventers to be 5,000 psl, minimum.
- 2. Automatic accumulator (80 gallon, minimum) capable of closing BOP in 30 seconds or less and, holding them closed against full rated working pressure.
- 3.BOP controls, to be located near drillers position.
- 4.Kelly equipped with Kelly cock.
- 5-Inside blowout prevventer or its equivalent on derrick floor at all times with proper threads to fit pipe being used,
- 6.Kolly saver-sub equipped with rubber casing protector at all times.
- 7.Plug type blowout preventer leater.
- Extra set pipe rams to fit drill pipe in use on location at all times.
- 9. Type RX ring gaskets in place of Type R.

#### MEC TO FURNISH:

- 1.Bradenhoad or casinghead and side
- valves. 9 Weer hushing it required

#### GENERAL NOTES:

- 1. Deviations from this drawing may be made only with the express permission of MEC's Drilling Manager.
- 2.Al connections, valves, fittings, piping, etc., subject to well or pump pressure must be flanged (suitable clamp connections acceptable) and have minimum working pressure equal to rated working pressure of preventers up through chores. Valves must be full opening and suitable for high pressure mud service.
- 3.Controls to be of standard design and sach marked, showing opening and closing position.
- 4. Chokes will be positioned so as not to hamper or delay changing of choke beans. Replaceable parts for adjustable choke, other bean sizes, retainers, and choke wrenches to be conveniently located for immediate use.
- 5, All values to be equipped with handwheels or handles ready for immediate use.
- f.Choks lines must be suitably anchored.

#### CONFIGURATION A



- 7. Handwheels and extensions to be connected and ready for use.
- 8. Valves adjacent to drilling spool to be kept open. Use outside valves except for emergency.
- 9.All seamless steel control piping (5000 psi working pressure) to have flexible joints to avoid stress. Hoses will be permitted.
- 10.Czsinghead connections shall not be used except in case of emergency.
- 11.Do not use kill line for routine fill-up operations.



Exhibit "E"



BETOND SUBSTRUCTURE

	· · ·		MINI	MUN REOL	MAEMENTS	3					٦	
		3.000 MWP				5,000 MWP			10,000 LIWP			
No.		1.D.	NOMINAL	RATING	LD.	NOMINAL	RATING	LD,	NOLIHAL	RATING	1	
1	Line from drilling spool		• 3*	3,000		3.	5.000		3*	10,000	1	
2	Crozs 3"x3"x3"x2"			3,000			5,000		1		Ŀ	
	Gross 3"x3"x3"x3"	•								10.000	ſ	
3	Valves(1) Gate C Plug C(2)	3-3/8"		3,000	3-1/6*		5,000	3-1/8*		10,000	1	
• 4	Valve Gate C Plug C(2)	1-13/18*		3,000	1-13/18*		\$,000	1-13/16*		10,000	1	
44	Valves(1)	2-1/16"		3,000	2.1/16*	·	5,000	3-1/8"	[	10,000	$\mathbf{I}$	
8	Pressure Gauge			3,000			5,000			10.000	$\mathbf{I}$	
6	Valves Gale C Plug D(2)	3-1/8*		3,000	3-1/8*		\$,000	3-1/8*		10,000		
7	Adjustable Choke(3)	2*		3,000	2*		5,000	2*	·	10.000	$\mathbf{I}$	
8	Adjustable Choke	1*		3,000	14		5,000	2*		10.000		
•	Line		3-	3,000		34	5.000		3.	10.000	1	
10	Line	1	2.	3,000		2.	5.000		3.	10.000	1	
11	Valves Gate C Plug C(2)	3-1/8-		3,000	3-1/8-		5,000	3-1/8*		10,000	1	
12	Lines	1 .	3.	1,000		3.	1,000		3.	2,000	ł	
13	Lines		3*	1.000		3*	1,000			2,000	ł	
14	Remote reading compound standpipe pressure gauge		•	3,000	•		5.000			10,000	1	
15	Gas Separator	•	2'25'			2'15'			2'25'		ł	
16	Line		4*	1,000		4.	1.000			2,000	{	
17	Valves Gata D Plug D(2)	3-1/8*		3,000	3-1/8*		5,000	3-1/8-		10,000		

(T) Only one required as Class 314.

(2) Gais valves only shall be used for Class 1044.

(3) Remote operated hydraulic choke required on 5,000 pal and 10,000 pal for drilling.

#### EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTIONS

- 1. All connections in choke manifold shall be welded, studded, lianged or Cameron clamp of comparable rating.
- 2. All flanges shall be API 58 or 68X and ring gaskets shall be API RX or 8X. Use only BX for 10 LIWP,
- 3. All lines shall be securely anchored.

4: Chokes shall be equipped with tungsten carbide seats and needles, and replacements shall be available.

- 5. Choke manifold pressure and standpipe pressure gauges shall be available at the choke manifold to assist in regulating chokes. As an alternate with automatic chokes, a choke manifold pressure gauge shall be located on the rig floor in conjunction with the standpipe pressure gauge.
- Line from drilling speel to choke manifold should be as straight as possible. Lines downstream from chokes shall make turns by large bends or 90.º bends using bull plugged tees.

7 Discharge lines from chokes, choke bypass and from top of gas separator should vent as far as practical from the well,

#### WELL PLAN OUTLINE

----

Well Name:	Pipeline Deep Federal 5 #2		<del></del>	County:	Lea		State:	NM	_
Location:	875' FNL, 1850' FWL			Est KB:			TD:	13,750	_
	Sec 5, T19S, R34E			GL:	3851'	· · · · · · · · · · · · · · · · · · ·	·	<del>,</del>	·
			Type of				Form	(ppg)	
	Formation	Drilling	Formation	Hole	Casing	Frac	Press	Mud Wt	
Depth	Top & Type	Problems	Evaluation	Size	Size-Depth	Grad	Grad	& Type	Days
· · · · · · · · · · · · · · · · · · ·	Sand & Red Bed @ 300'		0-300' Dev. survey <1deg	17-1/2"	13-3/8" 48# H-40 @ 425' w/ cmt to surface			8.3-8.8	1
	-		Dev. survey ~Ideg		425 W/ Chill to surface			Fresh wtr	-
1000	Anhydrite/Salt		500' surveys to TD						
	]								
	_								
2000	-								
2000	-1			11"				8.8-10.2 Cut Brine	
,	-	Possible						Cut Brine	1
	1	Deviation &							
3000	]	washout				1			
<u> </u>	Yates 3341 (+530)								1
				1					
4000	Seven Rivers 3761 (+110)		Logging unit						
4000	4		4000' to TD						
	1				8-5/8" 32# J-55 @	1		· · · · · · · · · · · · · · · · · · ·	-
	]			1	4000 w/ cmt to surf				
5000	]								
									10
	Delaware 5521 (-1850)							1	ŀ
6000	-1								
	-							8.5-9.0	
	]							Cut Brine	
				7-7/8"					
7000	4								
	-								
	Bone Spring 7781 (-3910)								
8000	1		Maximum deviation						
	1		5 degrees						
0000	-1								
9000	1st Bone Spg 9436 (-5565)								
=	TSt Bolle 3pg 9430 (-3303)								20
	2nd Bone Spg 9636 (-5765)								
10000	1								
	3rd Bone Spg 10501 (-6630)								
	Wolfcamp SH 10,666 (-6795)								
11000	Wolfcamp CH 10716 (-6845)								
11000	-								
	Cisco 11,796 (-7925)				5-1/2" 17# L-80				30
					& S-95 @ 13,750				
12000	Canyon 12131 (-8260)				w/ cmt to 9,000'				1
	Strawn 12226 (-8355)								
	Atoka 12486 (-8615) Atoka LS 12811 (-8940)								
13000	Mid Morr Clas 13191 (-9320)			1				9.0-9.8	-
	1		l	ł	l	l		Polymer-Gel	40
·····	Low Morrow 13481 (-9610)			L				WL<10	
	TD 13750 (-9879)			[	1				1
14000	4								
·	4								1
	4								1