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Ia. TYPE OF WORK					
b. TYPE OF WELL	RILL 🔺	DEEPEN			7. UNIT AGREEMENT NAME
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Matador Or	perating Compa	nv			Fopacio Federal 28 Com.
ADDRESS AND TELEPHONE	*0.				30-025-34522
			X 75231, 214-98 th any State requirements.*)		10. FIELD AND POOL, OR WILDCAT
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S. DISTANCE FROM FR	Ing. unit line, if any)		19. PROPOSED DEPTH	20. ROTART	320 ac
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3598 ¹	whether DF, RT, GR, etc.)				22. APPROL DATE WORE WILL START* October 1, 1998
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DISTRICT I P. O. Box 1980 Hobbs, NM 88241-1980

<u>DISTRICT II</u> 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

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Form C-102 Revised 02-10-94

Instructions on back

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

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AMENDED REPORT

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

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

' API Number		² Pool Code		3 Poo	1 Name	-				
30-025-3	4522	77370)		Gem Mori	row Gas				
* Property Code	⁵ Property N	ame					_		• Well Number	
23834			TUPAC	ID FEI	DERAL	*28* CC	M		1	
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014245			MATADO	IR OPE	RATING C				3598	•
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F	" BOTT	BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE								
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APPLICATION FOR PERMIT TO DRILL

MATADOR OPERATING CORPORATION TOPACIO FEDERAL 28 COM #1 1650' FNL & 1980' FEL SEC. 28, T19S, R33E 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:

Upper Permian Yates	3103'	+ 495'
Upper Permian Seven Rivers	3362'	+ 236'
Lower Permian Delaware	5313'	-1715'
Lower Permian Bone Spring	8018'	-4420'
1st Bone Spring SS Mbr	9163'	-5565'
2nd Bone Spring SS Mbr	9453'	-5855'
2nd Bone Spring "Debris Flow"	9693'	-6095'
3rd Bone Spring "Carbonate"	10268'	-6670'
3rd Bone Spring SS Mbr	10589'	-6991'
Lower Permian Wolfcamp	10793'	-7195'
Lower Permian Wolfcamp "Chert"	10943'	-7345' +
Upper Penn Cisco	11803'	-8205'
Upper Penn Canyon	12003'	-8405'
Upper Penn Strawn	12108'	-8510'
Lower Penn Atoka	12403'	-8805' +
Lower Penn Atoka LST	12763'	-9165'
Lower Penn Morrow	12933'	-9335'
Middle Morow Clastics	13130'	-9545' *
Lower Morrow	13500'	-9925' *
PTD	13750'	-10115'

* = Primary Reservoir Targets

+ = Secondary Reservoir Targets

3. <u>Estimated Depths of Anticipated Fresh Water, Oil, or Gas:</u>

Upper Permian Sands	0-300'	fresh water
Wolfcamp "Chert"	10,943'	oil
Atoka	10,403'	gas
Middle Morrow Clastics	13,130'	gas
Lower Morrow	13,500'	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 Wolfcamp is productive or 500' above upper most productive zone.

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

<u>Hole Size</u>	<u>Interval</u>	Casing OD	<u>Description</u>
			-
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"	10,200-13,750'	5-1/2"	17#, S-95, LT&C, New, R-3

Proposed Cement Program:

- 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. <u>Proposed Mud System:</u>

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.

Depth	<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
12,900-13,750'	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. Auxiliary Well Control and Monitoring Equipment:
 - 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. <u>Abnormal Conditions, Pressures, Temperatures, & Potential Hazards:</u>

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 4, 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 TOPACIO FEDERAL 28 COM #1 1650' FNL, 1980' FEL Sec 28, T19S, R33E, 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 jct of US Hwy 62/180 & State Hwy 529, ±15 miles west of Hobbs, go Southwest 13 miles on US Hwy 62/180, thence Northwest 2.5 miles on lease road, thence Southwest 3.2 miles, thence North 1.5 miles, thence East 0.5, thence Northeast 0.3 mile, thence Northeast 0.5 mile on lease road to existing well #5 & point ±1350' Southwest 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

- Α. The area around the wellside has moderate to high dunes with deflation basins 1-2 meters deep, shin oak, yucca, sage brush, mesquite, broom weed & various grasses.
- Β. The surface use is grazing and the owner is Ken Smith, Inc., P. O. Box 764, Carlsbad, NM 88221.
- C. An archaeological study has been conducted for the location and road. The report 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>hiskul</u> John W. Bell

Drilling Manager

Date: 9-15-93

LOCATION & ELEVATION VERIFICATION MAP



Exhibit "A" Area Map

TOPOGRAPHIC LAND SURVEYORS

Surveying & Mapping for the Oil & Gas Industry

1307 N. HOBART PAMPA, TX. 79065 (800) 658-6382 6709 N. CLASSEN BLVD. OKLAHOMA CITY, OK. 73116 (800) 654-3219

2903 N. BIG SPRING MIDLAND, TX. 79705 (800) 767-1653 Topacio Federal 28 Com #1 1650 FNL, 1980 FEL Sec 28, T19S, R33E Lea County, New Mexico





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MINIMUM BLOWOUT PREVENTER REQUIREMENTS

5,000 psi Warking Pressure

5 MWP

Topacio Federal 28 Com #1 1650 FNL, 1980 FEL Sec 28, T19S, R33E Lea County, New Mexico

STACK REQUIREMENTS

Na.	liem		Min, I D.	· Min.
1	Flowing		+	Normal
2	Fill up line	· •		2.
3	Onling nipple			
4	Annular preventer			
5	Two single or one dual hy operated rams	ydraulically		
64	Dalling spool with 2" min 3" min choke line outlets	. kill line and		•
6b	2° min, kill line and 3° mi outlets in ram, (Alternate	in. choke line to 64 above.)		
7	Valve	Gate [] /- Plug []	3-1/8*	
4	Gate valve-power opera	ted	3-1/8-	
9	Line to choke manifold			34
10	Valves	Gate D Plug C	2-1/16*	
11	Check valve		2-1/16"	
12	Casing head			
13	Valve	Gata () Plug ()	1-13/18"	
14	Pressure gauge with need	le valve		
15	Kill line to rig mud pump a	bioliner		

	-	_				
OFTIONAL	•	4	•	:		
16 Flanged valve	1-13/	18. 1	i.		ľ	
				·		2

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 jezs and, holding them closed against full rated working pressure.
- 3.80P 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 fil pipe being used, 6. Kolly saver-sub equipped with rubber
- casing protector at all times.
- 7. Plug type blowout preventer tester. 4. Extra set pipe rame to fit drill pipe in use
- on location at all times. 9. Type RX ring gaskats in place of Type R.
- MEG TO FURNISH:
- 1.Bradanhoad or casinghoad and side
- valves. 9 Waar hushing il regulard

GEHERAL NOTES:

- 1.Deviations from this drawing may be made only with the express permission of MEC's Dritting Manager.
- 2. All connections, valves, fittings, piping, etc., subject to well or pump pressure must be fianged (suitable clamp connections acceptable) and have minimum working pressure equal la rated working pressure of preventers up through chore. Valves must be juit opening and suitable for high pressure mud service.
- 3. Centrels to be of standard dasign and each marked, showing opening and closing position.
- 4. Chokes will be positioned so as not to hamper or delay changing of choke beans. Fisplaceable parts for acjustable choke, other bean sizes, tetainers, and choke wrenches to be conveniently located for immediate use.
- 5. All values to be equipped with handwheels or handles ready for immediate Use.
- E.Choke lines must be suitably anchored.

Exhibit "D"



7.Handwheels and extensions to be connected and ready for use.

- Valves adjacent to drilling spool to be kept open. Use outside valves except for emergency.
- 8.All seemiess steel control piping (5000 psi working pressure) to have flexible joints to avoid stress, bloses will be permitted.
- Gasinghead connections shall not be used except in case of emergency.
 Do not use kill line for routine fill-up operations.



Exhibit "E"



- BEYON	D SUBSTR	DETURE

ine from dilling speel ross 3"x3"x3"x3"x2" ross 3"x3"x3"x3"x3" strest(1) Gate (1) Plug (2) atres (1) Bate (2) Plug (2) atres(1)	i.D. 3-1/8* 1-13/18*	3.000 MWP NOLENAL	AUH AEQL RATING 3,000 3,000	10,	5,000 MWP NOMINAL 3°	ALTING 5.000 5.000	LD,	10,000 LAWI NCILINIZAL 3"	RATINA 10,000
ross 3*x3*x3*x3* ross 3*x3*x3*x3* alves(1) Bate [] Plug [][4] alve Bate [] Plug [][4]	3-1/8-	the state of the s	3,000	10.	The second value of the se	8.000	LD.	NOLIHIAL	RATHKS
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alves(1) Gate [] Plug [][2] alve Gate [] Plug [][2]						8,000			
alve Bata C Plug C(2)			3.000					· · · ·	
Plug (3(2)	1-13/18-	the second se		3-1.8-		£.000	3-1/8*		10,000
			3,000	1-13/14-	· · · · ·	£.000			10,000
	2-1/16"						1-13/14*		10,000
ressure Gauge			3,000	2-1/14"		5,000	3-141*		10.000
Reds C			3,000	-	I	8,000			10.000
Plug D(2)	\$-1/6*		3,000	3-14-		\$.000	3-1.4		10.000
			3,000	2.		£.000	94	·	
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sives Bate [] Plug [][2]	3-1.11*		8,000	Q-1/8*		5.000	3-148*	- 3-	10,000
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as Separator	<u>├</u>	2'25'							10,000
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(1) Only one required in Class 314,

(2) Gate values only shall be used for Class 1014.

(3) Remote operated hydraulis shoke required on \$,000 psl and 10,000 psl for staling.

EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTIONS

- 1. All connections in choke manifold shall be welded, studded, llanged or Gameron clamp of comparable rating.
- 2. All Banges shall be API 58 or 58X and sing gaskets shall be API RX or BX. 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 avaitable.
- 5. Choke manifold pressure and standpipe pressure gauges shall be available at the choke manifold to assist in regulating chokes. As an atternate with automatic chokes, a choke manifold pressure gauge shall be located on the rig floor in conjunction with the standpipe pressure gauge,
- 6. Line from dritting speel to choke manifold should be as straight as possible. Lines downstream from chokes shall make turns by large bends or 90," bends using bull plugged tess.

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

VICINITY MAP



WELL	PLAN	OUTI	LINE

		WELL PLAN	OUTLINE	_					
Well Name:	Topacio Federal 28 Com #1		_	County:	Lea		State:	NM	
Location:	1650 FNL, 1980 FEL			Est KB:			- TD:	13,750	_
	Sec 28, T19S, R33E				3598'				_
			Type of	T	1	1	Form	(nng)	Т
	Formation	Drilling	Formation	Hole	Casing	Frac	Press	(ppg)	
Depth	Top & Type	Problems	Evaluation	Size		1	i i	Mud Wt	
Depui	Sand & Red Bed @ 300'	TTODICITIS	0-300'	17-1/2"	Size-Depth 13-3/8" 48# H-40 @	Grad	Grad	& Type	Days
			Dev. survey <1deg	17-172	425' w/ cmt to surface	1		8.3-8.8 Fresh wtr	
· · · · · · · · · · · · · · · · · · ·	1							Ticshiwu	-
1000	Anhydrite/Salt		500' surveys to TD			1			
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	4					f			
2000	4								
	4			11"				8.8-10.2	
	4	Possible		11				Cut Brine	
	1	Deviation &							
3000		washout							
	Yates 3103 (+495)								
4000	Seven Rivers 3362 (+236)		Logging unit						
4000			4000' to TD						
	1				8-5/8" 32# J-55 @				-
]				4000 w/ cmt to surf				
5000		1		1]	
	Delaware 5313 (-1715)								10
	4								
6000	1								
]							8.5-9.0	
								Cut Brine	
7000	4			7-7/8"					
7000	4								
	4								
	1	1							
8000			Maximum deviation						
	4		5 degrees						
	Bone Spring 8018 (-4420)								
9000	1st Bone Spg 9163 (-5565)								
	2nd Bone Spg 9453 (-5855)								20
	2nd BS Debris 9693 (-6095)								20
10000	3rd BS Carb 10268 (-6670)			1					
	3rd BS SS Mbr 10589 (-6991)								
	Wolfcamp 10793 (-7195)								
11000	Wfcp Chrt 10943 (-7345)								
	Cisco 11,803 (-8205)			1	5-1/2" 17# L-80				30
12000	Canyon 12003 (-8405)				& S-95 @ 13,750				
	Strawn 12108 (-8510)				w/ cmt to 9,000'				
	Atoka 12403 (-8805)			ŀ					
	Atoka LS 12763 (-9165)								
13000	Morrow 12933 (-9335) Mdl May Clas 13130 (0545)							9.0-9.8]
13000	Mdl Mrw Clas 13130 (-9545) Low Morrow 13500 (-9925)							Polymer-Gel	40
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United States Department of the Interior

BUREAU OF LAND MANAGEMENT Roswell Office 2909 West Second Street Roswell, New Mexico 88201

Statement Accepting Responsibility for Operations

Operator name:	Matador Operating Company
Street or box:	8340 Meadow Road, #158
City, State:	Dallas, TX
Zip code:	75231

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below:

Lease No.: NM27570

Legal Description of land: S/2 Section 21 & N/2 Section 28, T19S, R33E, Lea County, NM

Formation(s) (if applicable):

Bond Coverage: (State if individually bonded or another's bond) Statewide

BLM Bond File No.: 29403

Authorized Signature: R. F. Burke

Title:

Vice President

Date:

9-15-98

WILL BE RELEASED CONFIDENTIAL LOGS ABOVE DATE DOES NOT INDICATE WHEN ELF EC. hi

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