# State of New Mexico Energy, Minerals & Natural Resources

Form C-101 Revised March 17, 1999

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. 1st Street, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

Oil Conservation Divsiion 2040 South Pacheco Santa Fe, NM 87505 RECEIVED mit to appropriate District Office

State Lease - 6 Copies

MAR - 1 2004

Fee Lease - 5 Copies

2040 South Pache					Santa Fe, F		(	OCD-ARTE	L. AMI	ENDED REPOR	
		1(	PERMIT T Operator Name and		LL, RE-EN	TER, DE	EPEN,	PLUGBAC	K, OR ADI		
Marathon Oi			770F0						<sup>3</sup> API Number		
P.O.Box 312	rty Code	n, 1x.	11453		<sup>5</sup> Property I	Vame		<u>30-</u> 30-01!	5-27235 <sup>6</sup> We	ll No.	
-	108			IN	DIAN HILLS			<u> </u>		4	
					<sup>7</sup> Surface L	ocation					
UL or lot no.	Section	Townshi	ip Range	Lot. Idn	Feet from the	Feet from the North/South Lin		Feet from the	East/West line County		
E	36	208	5 24E		1880	' Nk	orth	660'	WEST	EDDY	
			<sup>8</sup> Proposed 1	3ottom 1	Hole Locati	on If Differ	ent Fron	n Surface			
UL or lot no.	Section	Townshi	ip Range	Lot. Idn	Feet from the			Feet from the	East/West line	County	
	<u> </u>	9 Propos	sed Pool 1					10 Proposed P	ool 2		
	شية	Fac		<b>-</b>				A			
	Com	Tati	A : MOAR	u Gas							
11 Work T	ype Code		→ 12 Well Type Co	13 Cable/Rotary		<sup>14</sup> Le	ase Type Code	15 Ground Level Elevation			
16 Mu	A PR		G  17 Proposed Dep	<del></del> — +	Rotary  18 Formation		<b>S</b> 19 Contractor		3634 ' 20 Spud Date		
1410	iupic	ļ	9600 '	···	Mor		Key Energy		ASAP		
			21]	Proposed	d Casing and	d Cement P	rogram	1			
Hole S	ize	(	Casing Size		weight/foot	Setting D		Sacks of Ceme	nt Es	stimated TOC	
20'	20"		16"		55 40'		redi-mix			surface	
12.2	12.25"		9.625"		32.3			1100		surface	
8.75	8.75"		7"		23 & 26		7999 '		+	+/- 1000'	
6.12	6.125"		4.5"		10.5#			175		7300'	
				<u> </u>							
Describe the blow MARATHON OF	vout prevention L COMPAN Sks. of	n progran Y INTEN Cement	m, if any. Use addi NDS TO Squee:	tional sheets	if necessary.	; Upper Pe	mn Asso	c. perfs fra	m 7516' to 7		
175 sks. of Well then v All BOPE sk 7 1/16" 3M	premium vill be c all be in Dual Ram	cement implete istalle annul	t. ed in the Mor ed and tested lar.	arow. 1 accord	ing to OCD	rules #109	& #11 <b>4</b>	7300'+/-, c	_	ce with	
			given above is tru	e and comp	plete to the	Se and	OIL C	ONSERVATI	ION DIVISI	ON	
best of my knowledge and belief.  Signature: Mike Mikk						Approved by: ORIGINAL SIGNED BY TIM W. GUM					
Printed name: M	ike Mick					Title:				•••	
Title: Sr. Adv. Eng. Tech.						Approval Date: MAR 0 3 2004 Expiration DateMAR 0 3 2005					
Date: Phone:				Conditions of Approval:							
2	-19-04		713	-296-325	54	Attached _	]				

#### **MARATHON OIL COMPANY**

## **H2S DRILLING OPERATIONS PLAN**

#### HYDROGEN SULFIDE TRAINING

All contractors and subcontractors employed by Marathon Oil Company will receive or have received training from a qualified instructor within the last twelve months in the following areas prior to commencing drilling operations on this well.

- 1. The hazards and characteristics of hydrogen sulfide (H2S)
- 2. Safety precautions
- 3. Operations of safety equipment and life support systems

In addition, contractor supervisory personnel will be trained or prepared in the following areas:

- 1. The effect of H2S on metal components in the system. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
- Corrective action and shut-down procedures when drilling or reworking a well, blowout prevention and well control procedures, if the nature of work performed involves these items.
- 3. The contents and requirements of the contingency plan when such plan is required.

All personnel will be required to carry documentation of the above training on their person.

#### II. H2S EQUIPMENT AND SYSTEMS

## 1. Safety Equipment

The following safety equipment will be on location.

- A. Wind direction indicators.
- B. Automatic H2S detection alarm equipment (both audio and visual).

- C. Clearly visible warning signs. Signs will use the words "POISON GAS' and "CAUTION" with a strong color contrast.
- D. Protective breathing equipment will be located in the dog house and at briefing areas.

### 2. WELL CONTROL SYSTEMS

# A. Blowout Prevention Equipment

Equipment includes but is not limited to:

- a. pipe rams to accommodate all pipe sizes
- b. blind rams
- c. choke manifold
- d. closing unit

Auxiliary equipment added as appropriate includes:

- a. annular preventor
- b. rotating head
- c. mud- gas separator
- d. flare line and means of ignition \_\_\_\_\_ e. remote operated choke

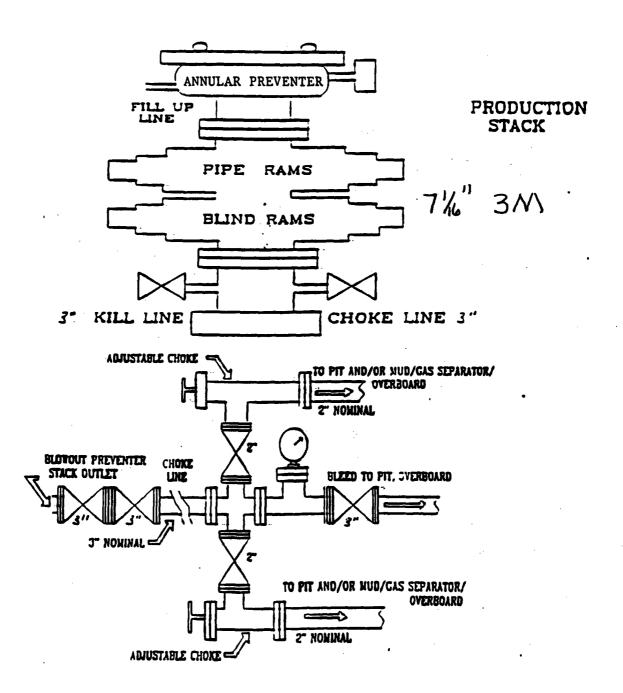
#### **B.** Communication

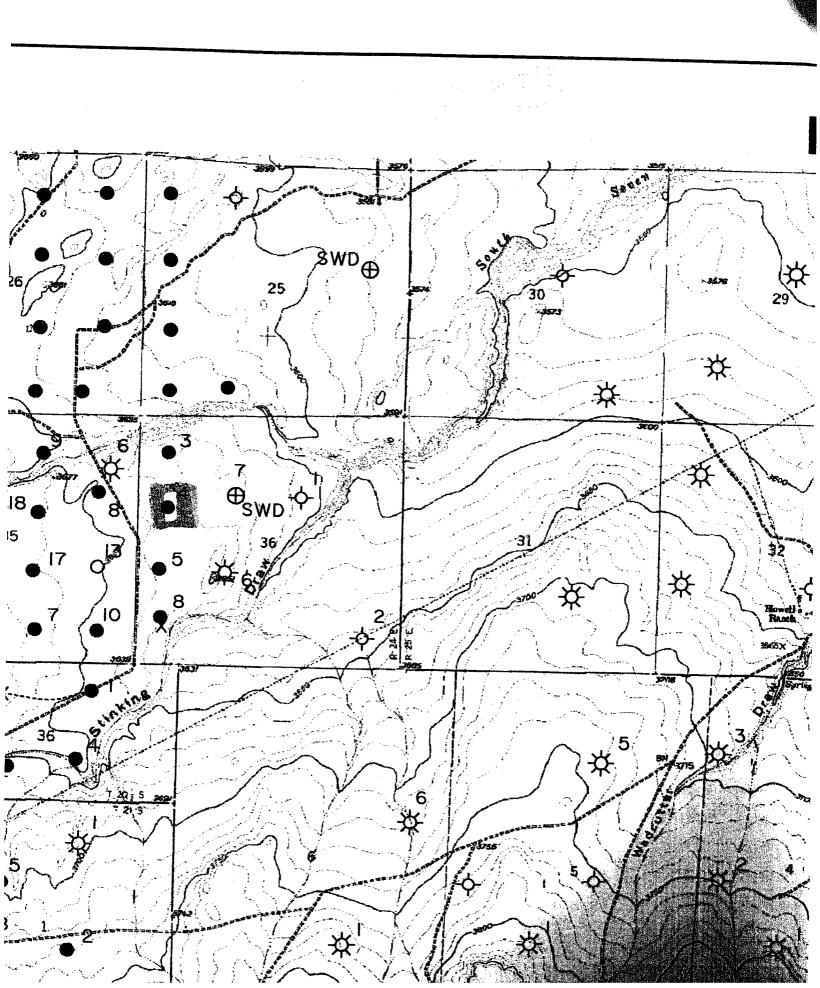
The rig contractor will be required to have two-way communication capability. Marathon Oil Company will have either land-line or mobile telephone capabilities.

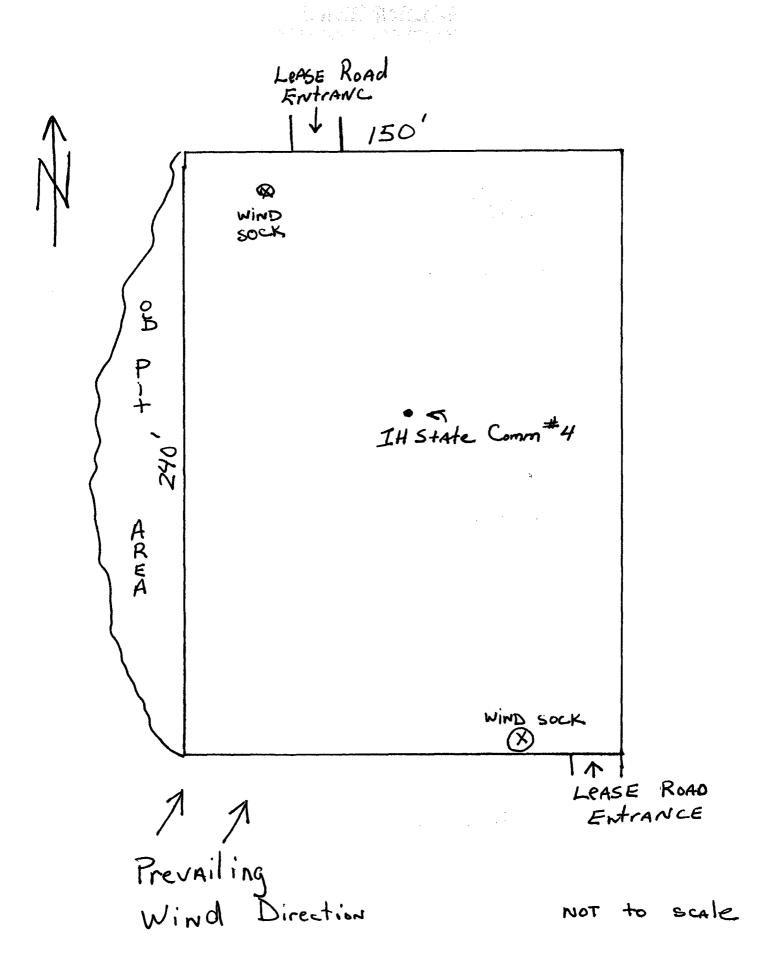
# C. Mud Program

The mud program has been designed to minimize the volume of H2S circulated to surface. Proper mud weight, safe drilling practices, and the use of H2S scavengers when appropriate will minimize hazards when penetrating H2S bearing zones.

### III. WELL SITE DIAGRAM







District I 1625 N. French Dr., Hobbs, NM 88240 District II

811 S. 1st Street, Artesia, NM 88210 District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

State of New Mexico Energy, Minerals & Natural Resources

Form C-102 Revised March 17, 1999

# OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

Submit to Appropriate District Office State Lease - 4 Copies

Fee Lease - 3 Copies

2040 South Pacheco	Conto Eo	NIM 97505						ПАМ	ENDED REPORT		
2040 South Pachect	), Saina PC,		LOCAT	ION AN	D ACREAG	GE DEDICA	TION PLA		ENDED REFORT		
<sup>1</sup> API Number				OCATION AND ACREAGE DEDICATION PI							
30-	35	(	078960 I.B. Morrow				GAS	Pool			
<sup>4</sup> Property C	Code					<sup>6</sup> Well Number					
6408			INI		4						
<sup>7</sup> OGRID No.					<sup>9</sup> Elevation						
01402	014021				Marathon Oil Company						
				10	Surface Locati	on					
UL or lot no.	Section						East/West lin	e County			
E	36	208	24E		1880'	North	660	WEST	EDDY		
			11 Botto	m Hole Lo	cation If Diffe	rent From Surfa	ce				
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South line	Feet from the	East/West lin	e County		
12 Dedicated Acres 320 N	/	or Infill 14 (	Consolidation (	Code 15 Orde	er No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

19///////////	1 (1 / 1	1 1 111	<sup>17</sup> OPERATOR CERTIFICATION
<b>✓</b> ∧			I hereby certify that the information contained herein is true and
			complete to the best of my knowledge and helief .
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			m+mick
¥ . ♥			Signature
J, 660,	į		Mike Mick
<b>∦</b> <del>← → •</del>	ĺ	1	Printed Name
			Sr. Adv. Engineer Technician
<b>Y</b> 1		1	Title
	3 <b>6</b>		2-19-04
		11111	Date
			18CLIDVENOD CEDTICICATION
.			18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was
1)	Í		, ,
	}		plotted from field notes of actual surveys made by me
l l	ł		or under my supervision, and that the same is true and correct
1	ļ		to the best of my belief.
1			
}		1	Data of Sun and
	<del></del>	<del> </del>	Date of Survey Signature and Seal of Professional Surveyer:
		· ·	
		Į.	
			Certificate Number