

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

State of New Mexico  
Energy, Minerals & Natural Resources

Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-101  
Revised March 17, 1999

Submit to appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

<sup>1</sup> Operator Name and Address <b>Marathon Oil Company</b> <b>P.O. Box 552 Midland, TX 79702</b>		<sup>2</sup> OGRID Number <b>14021</b>
<sup>4</sup> Property Code <b>6411</b>	<sup>5</sup> Property Name <b>North Indian Basin</b>	<sup>3</sup> API Number <b>30-015-37727</b>
		<sup>6</sup> Well No. <b>37</b>

<sup>7</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
<b>"K"</b>	<b>16</b>	<b>21-S</b>	<b>23-E</b>		<b>1780'</b>	<b>South</b>	<b>1870'</b>	<b>West</b>	<b>Eddy</b>

<sup>8</sup> Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South	County
<sup>9</sup> Proposed Pool 1 <b>Indian Basin Upper Perm. Gas</b>						<b>NOTIFY OCD SPUD &amp; TIME TO WITNESS WATER PROTECTION STRING</b>	

<sup>11</sup> Work Type Code <b>N</b>	<sup>12</sup> Well Type Code <b>G</b>	<sup>13</sup> Cable/Rotary <b>Rotary</b>	<sup>14</sup> Lease Type Code <b>S</b>	<sup>15</sup> Ground Level Elevation <b>3936'</b>
<sup>16</sup> Multiple <b>N</b>	<sup>17</sup> Proposed Depth <b>8600'</b>	<sup>18</sup> Formation <b>Upper Perm.</b>	<sup>19</sup> Contractor <b>McVay</b>	<sup>20</sup> Spud Date <b>ASAP</b>

<sup>21</sup> Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
<b>20.0"</b>	<b>16"</b>	<b>Conductor</b>	<b>40'</b>	<b>Redi-Mix</b>	<b>Surface</b>
<b>12.25"</b>	<b>9.625"</b>	<b>36#</b>	<b>1200'</b>	<b>885</b>	<b>Surface</b>
<b>8.75"</b>	<b>7"</b>	<b>23#, 26#</b>	<b>8600'</b>	<b>1300</b>	<b>Circulate</b>

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone.

Describe the blowout prevention program, if any. Use additional sheets if necessary.

Well is proposed 8600' Upper Perm. producer. Blowout prevention equipment will be applied as follows: Production hole-11" 3M dual ram annular, rotating head & choke manifold. Rams tested to 300/3000# psi, annular, lines, & manifold tested to 1000# psi w/ periodic function test.

All casing will be run and cemented in accordance w/ NMOC Rule # 107. All BOPE will be installed and tested in accordance w/ NMOC Rules # 109 & 114. Due to possible H2S in the Upper Perm. H2S safety equipment.

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Jerry Fletcher*  
Printed name: **Jerry Fletcher**

Title: **Engineer Tech.**

Date: **4/24/01**  
Phone: **915-687-8357**

OIL CONSERVATION DIVISION

Approved by: **ORIGINAL SIGNED BY TIM W. GUM**  
Title: **DISTRICT N SUPERVISOR**

Approval Date: **APR 26 2001**  
Expiration Date: **APR 26 2002**

Conditions of Approval:

Attached ☐

DISTRICT I  
P.O. Box 1900, Hobbs, NM 88241-1900

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

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

DISTRICT IV  
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

Form C-102

Revised February 10, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
		Indian Basin Upper Penn. Gas
Property Code	Property Name	Well Number
	NORTH INDIAN BASIN UNIT	37
OGRID No.	Operator Name	Elevation
14021	MARATHON OIL COMPANY	3936'

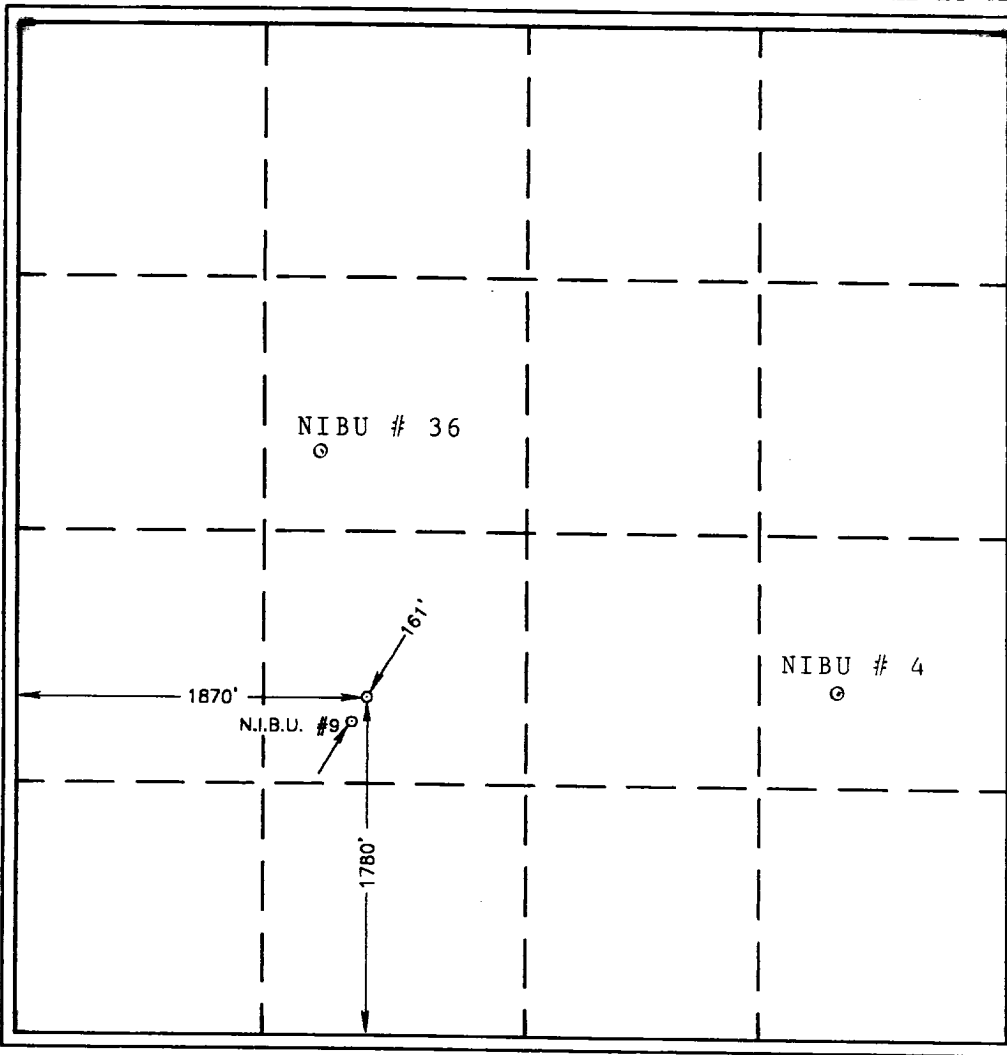
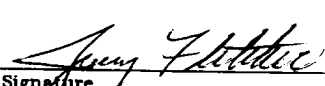
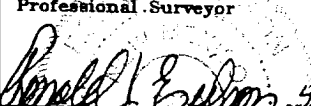
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	16	21-S	23-E		1780	SOUTH	1870	WEST	EDDY

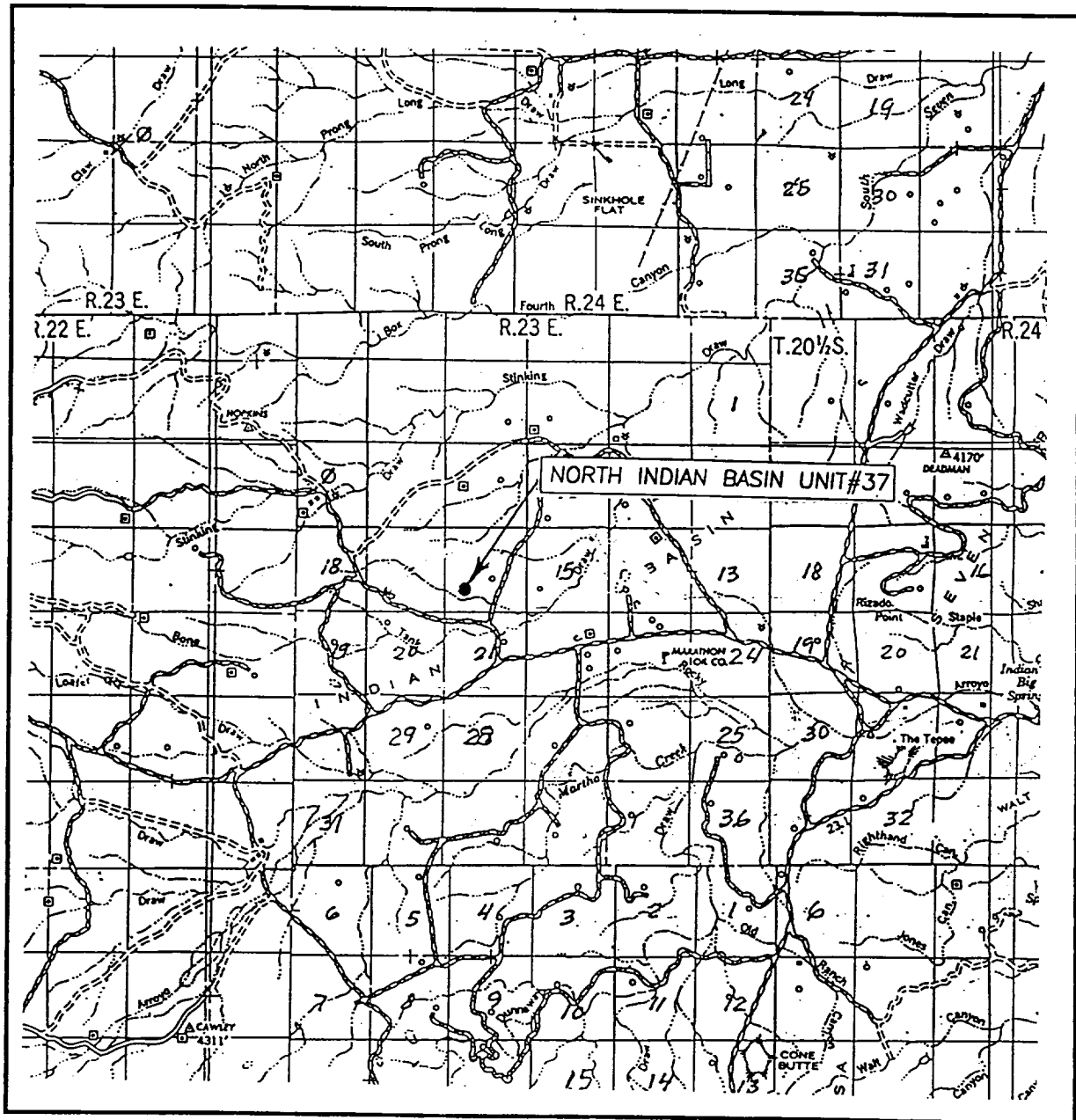
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						
640									

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

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p> Signature</p> <p>Jerry Fletcher Printed Name</p> <p>Engineer Tech. Title</p> <p>4/24/01 Date</p> <p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.</p> <p>APRIL 18, 2001</p> <p>Date Surveyed</p> <p>Signature &amp; Seal of Professional Surveyor</p> <p> 01-11-0472</p> <p>Certificate No. RONALD J. EDSON 3239 GARY KIDSON 12641</p>
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# VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 16 TWP. 21-S RGE. 23-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 1780' FSL & 1870' FWL

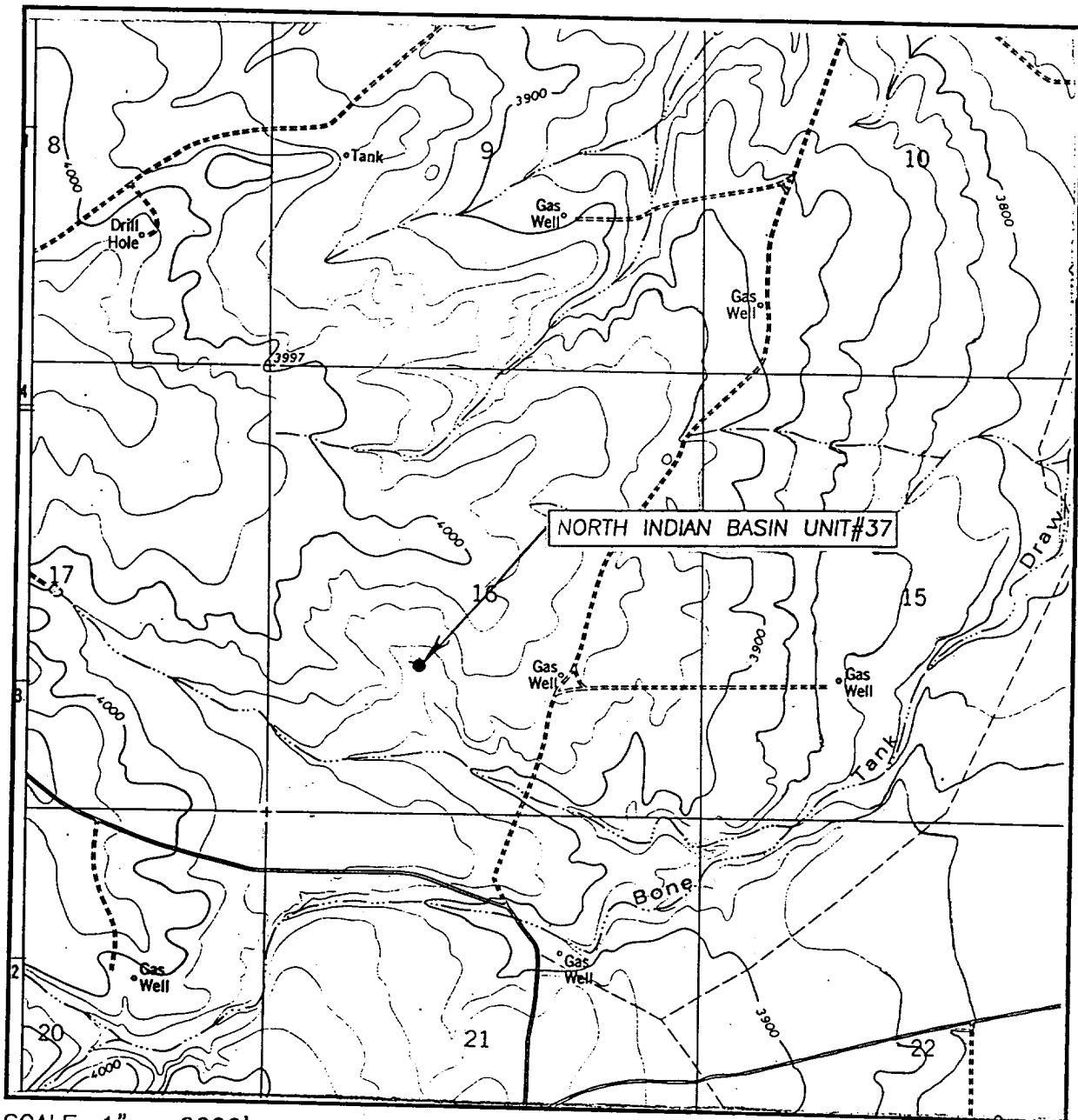
ELEVATION 3936'

OPERATOR MARATHON OIL COMPANY

LEASE NORTH INDIAN BASIN UNIT

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

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 20'  
MARTHA CREEK N.M.

SEC. 16 TWP. 21-S RGE. 23-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 1780'FSL & 1870'FWL

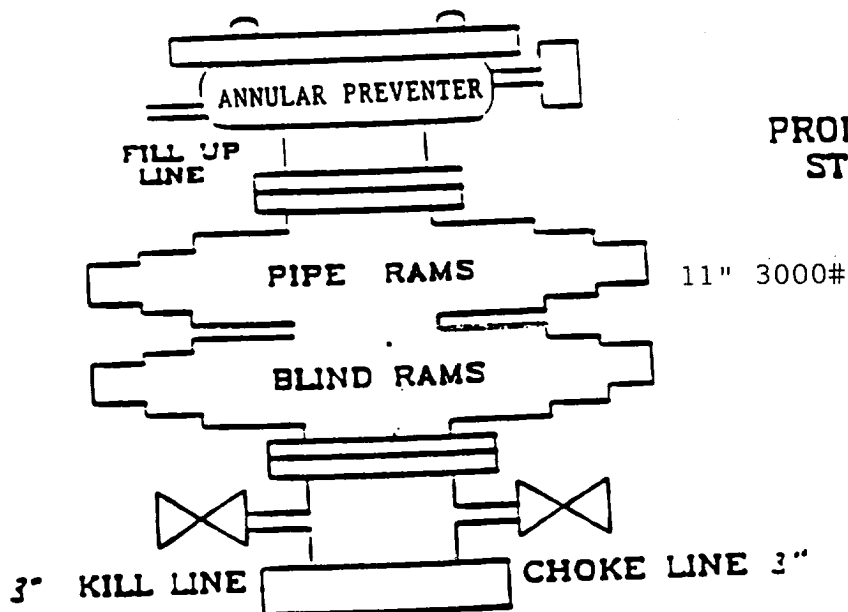
ELEVATION 3936'

OPERATOR MARATHON OIL COMPANY

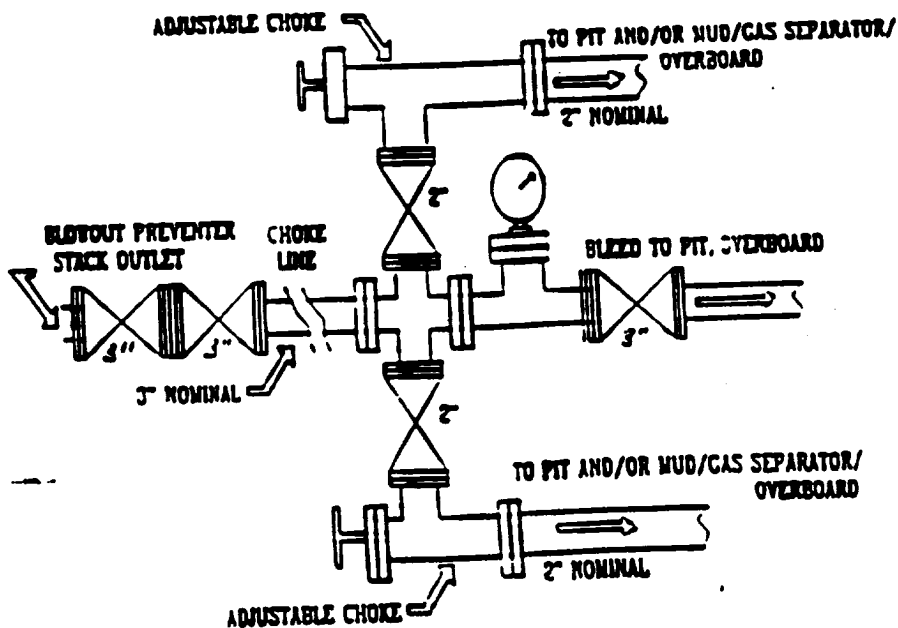
LEASE NORTH INDIAN BASIN UNIT

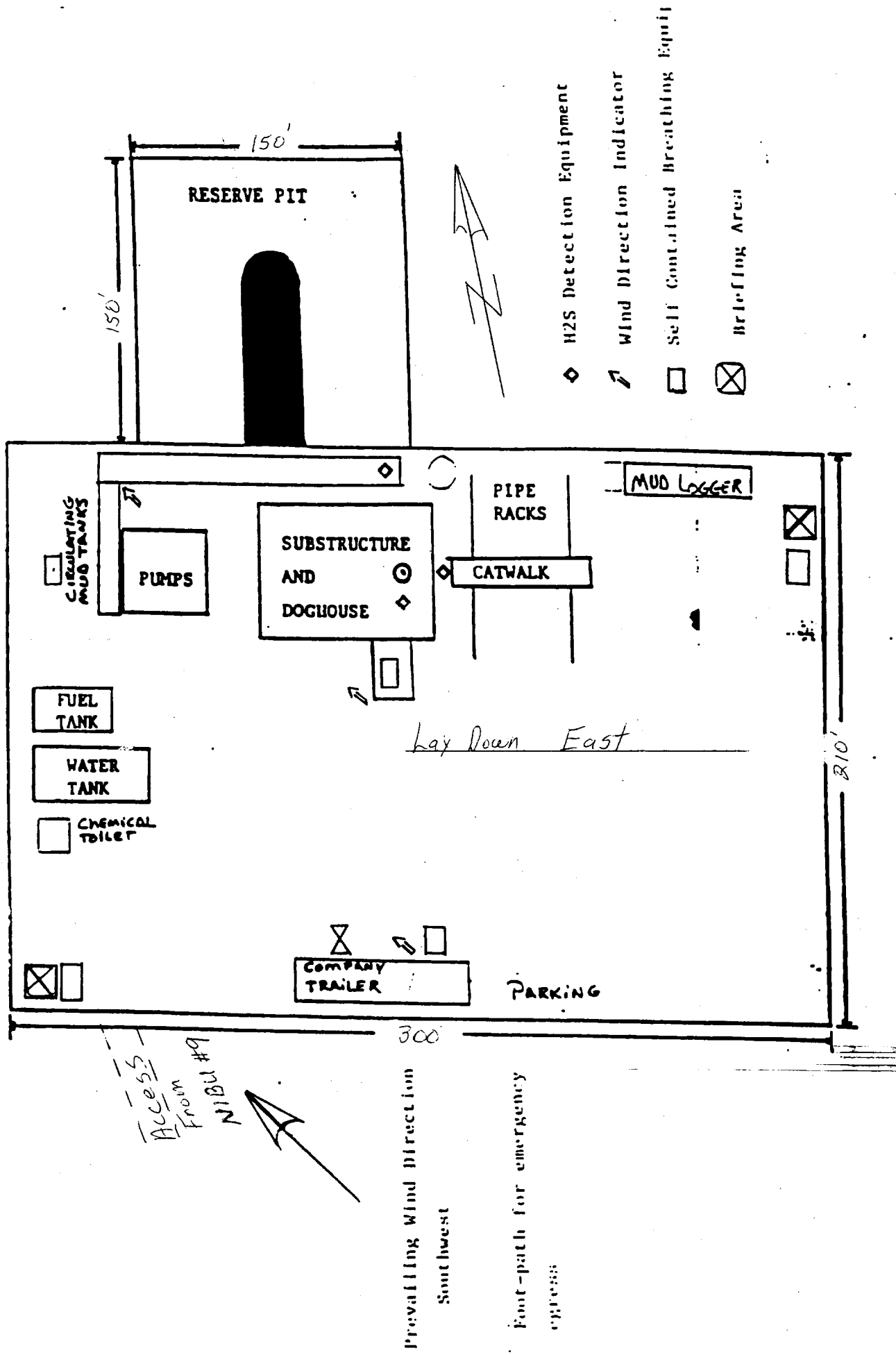
U.S.G.S. TOPOGRAPHIC MAP  
MARTHA CREEK N.M.

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



PRODUCTION  
STACK





- ◆ H2S Detection Equipment
- ↗ Wind Direction Indicator
- Self Contained Breathing Equip
- ⊗ Briefing Area