

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Form C-101  
March 4, 2004

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

RECEIVED Submit to appropriate District Office  
JUN 24 2004 State Lease - 6 Copies  
Fee Lease - 5 Copies  
OCD-ARTESIA ☐ AMENDED REPORT

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

<sup>1</sup> Operator Name and Address MURCHISON OIL & GAS, INC. 1100 MIRA VISTA BLVD. PLANO, TX. 75093-4698		<sup>2</sup> OGRID Number 015363
		<sup>3</sup> API Number 30 - 015-33477
<sup>5</sup> Property Code	<sup>5</sup> Property Name HAINES	<sup>6</sup> Well No. 1

<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
F	19	17-S	27-E		1980	NORTH	1980	WEST	EDDY

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

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet
							NOTIFY OCD OF SPUD & TIME TO WITNESS CEMENTING OF SURFACE & INTERMEDIATE CASING

<sup>9</sup> Proposed Pool 1 Undes. Logan Draw; Morrow	<sup>10</sup> Proposed Pool 2
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Drilling Pit Location and Other Information

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	19	17-S	27-E		1980	NORTH	1980	WEST	EDDY
Depth to ground water 45'			Distance from nearest fresh water well 4500'			Distance from nearest surface water 900'			
<sup>11</sup> Work Type Code N		<sup>12</sup> Well Type Code G		<sup>13</sup> Cable/Rotary ROTARY		<sup>14</sup> Lease Type Code P		<sup>15</sup> Ground Level Elevation 3302' GL	
<sup>16</sup> Multiple N/A		<sup>17</sup> Proposed Depth 9,100		<sup>18</sup> Formation MORROW		<sup>19</sup> Contractor TO BE DETERMINED		<sup>20</sup> Spud Date 8/1/04	

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

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	61 #/FT	300'	470 SX	SURFACE
12-1/4"	9-5/8"	47 #/FT	<del>2150'</del> 1500'	600 SX	SURFACE
7-7/8"	5-1/2"	17 #/FT	9100'	640 SX	EST TOC @ 6500'
Air or					

Operator to drill with Fresh Water Mud Only to @ 1500' BOP

<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.  
**DRILL, CASE AND COMPLETE WELL IN MORROW FORMATION**  
BOP'S INCLUDE: 1) HYDRILL DOUBLE RAM 11" X 3000 PSI  
2) CHOKE MANIFOLD 4" X 5000 PSI FLANGED CONNECTIONS  
3) SIX STATION ACCUMULATOR CLOSING UNIT W/ REMOTE CONTROL

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input checked="" type="checkbox"/> .		OIL CONSERVATION DIVISION	
Signature: <i>Michael S. Daugherty</i>		Approved by: <i>Jim W. [Signature]</i>	
Printed name: MICHAEL S. DAUGHERTY		Title: District Supervisor	
Title: VICE PRESIDENT OPERATIONS		Approval Date: JUN 30 2004 Expiration Date: JUN 30 2005	
E-mail Address: mdaugherty@jdmi.com			
Date: 6/14/04	Phone: (972) 931-0700	Conditions of Approval: CEMENT TO COVER ALL OIL, GAS AND WATER BEARING ZONES	
		Attached <input type="checkbox"/>	

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1625 N. French Dr. Hobbs, NM 88240

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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, N M 87505

Form C-102

Revised March 17, 1999

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
		Wildcat
Property Code	Property Name	Well Number
	HAINES	1
OGRID No.	Operation Name	Elevation
015363	MURCHISON OIL & GAS, INC.	3298

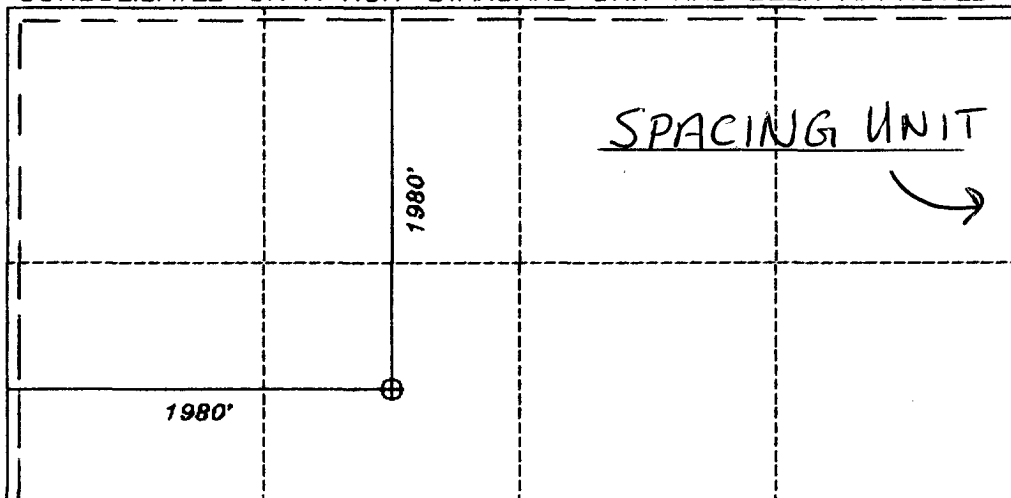
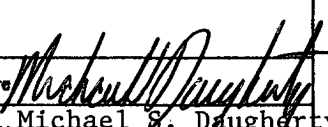

Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County
F	19	17-S	27-E		1980	NORTH	1980	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.						
320									

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

	<b>OPERATOR CERTIFICATION</b> I HEREBY CERTIFY THAT THE INFORMATION HEREIN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.
	Signature 
	Printed Name Michael S. Daugherty
	Title Vice President Operations
	Date
	<b>SURVEYOR CERTIFICATION</b> 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 KNOWLEDGE AND BELIEF.
	FEBRUARY 18, 2004
	Date of Survey
	Signature and Seal of Professional Surveyor
	
	NM PROFESSIONAL SURVEYOR 5412
	Certificate Number



**marbob**  
**ENERGY CORPORATION**  
ARTESIA, NEW MEXICO

July 1, 2004

Oil Conservation Division  
1301 W. Grand Ave.  
Artesia, NM 88210

Attention: Bryan Arrant

Re: Tony Federal #22  
990' FNL & 737' FWL  
Section 19, T17S, R31E  
Eddy County, New Mexico

Dear Bryan:

We plan to complete in the Yeso which is sweet and we don't anticipate cutting any formations that contain H2S gas during the drilling of the above referenced well. Therefore, we do not believe that an H2S contingency plan is necessary.

If you have questions or need further information, please call.

Sincerely,

Melanie J. Parker  
Land Department

/mp



June 14, 2004

Mr. Van Barton  
State of New Mexico  
Oil Conservation Division – District II  
1301 W. Grand Avenue  
Artesia, NM. 88210

**RE: HAINES #1  
SEC. 19, T17S, R27E  
EDDY CO., NM.**


Dear Mr. Barton:

This letter accompanies our Application for Permit to Drill the referenced well. In order to comply with NMOCD rules and guidelines MOGI will utilize a closed loop mud system. Drilling mud will be contained within the drilling rig's steel pits. Drill cuttings will be collected in steel bins to be hauled off location to an approved site. Both fresh and brine water for drilling will be stored in steel tanks. A self contained sanitation system for drilling personnel will be utilized.

Since a closed loop system will be used, no earthen pits will be constructed other than a burn pit for drilling flares. Therefore we have not submitted a NM Form C-144 for approval.

Very truly yours,

**MURCHISON OIL & GAS, INC.**

  
Michael S. Daugherty  
Vice President Operations

MSD/ct/Haines#1-ClosedLoopSys

Encl.



June 14, 2004

Mr. Bryan Arrant  
State of New Mexico  
Oil Conservation Commission  
1301 W. Grand Avenue  
Artesia, New Mexico 88210

**RE: HAINES #1  
1980' FNL & 1980' FWL  
SEC. 19, T17S, R27E  
EDDY CO., NM.**

Dear Bryan:

This letter is in reference to the OCD's requirements for H2S contingency plan for the above captioned well. No H2S is expected in the drilling of the above captioned well. H2S detection equipment will be installed prior to the top of the Delaware formation as a precautionary measure.

Very truly yours,

**MURCHISON OIL & GAS, INC.**

Michael S. Daugherty  
Vice President Operations

MSD/ct/Haines#1-OCDH2S

MURCHISON OIL & GAS, INC.

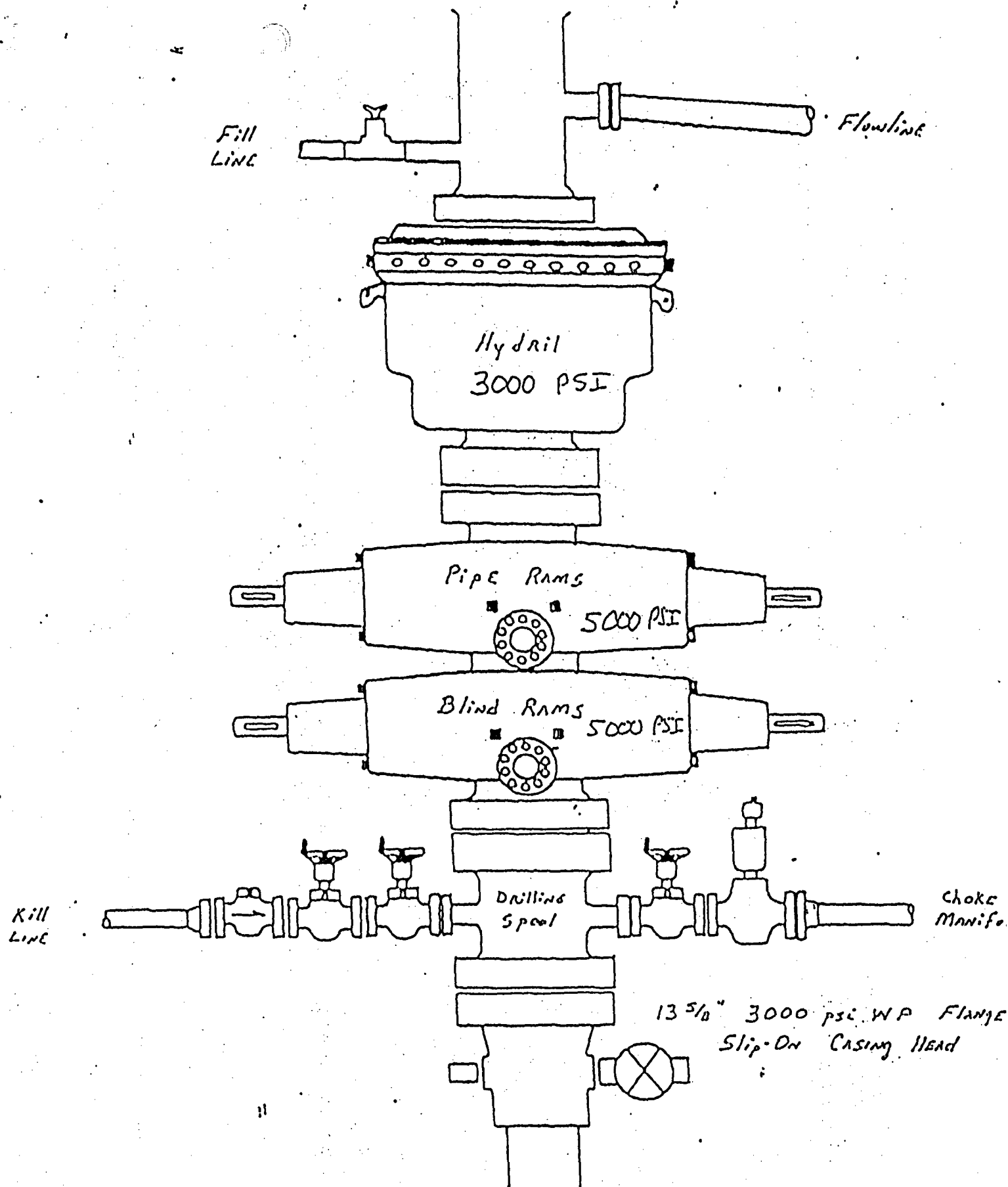
HAINES #1  
SEC. 19, T17S, R27E  
1980' FNL & 1980' FWL  
EDDY CO., NM.

MUD PROGRAM

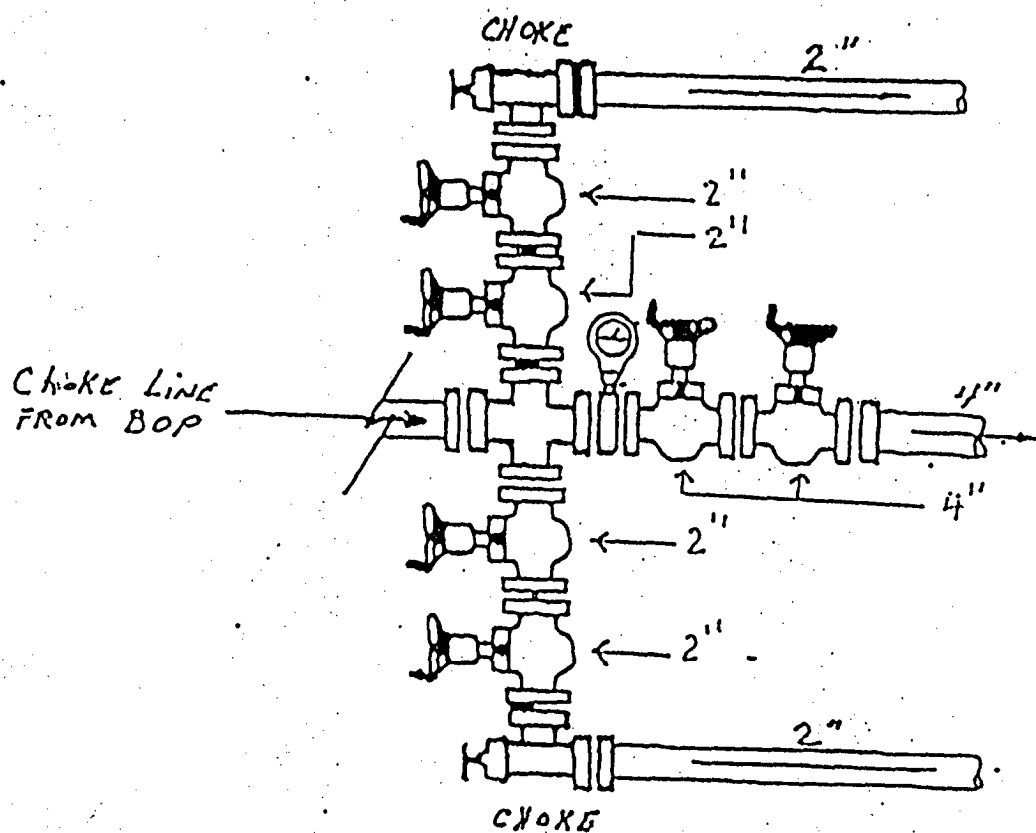
<u>DEPTH</u>	<u>WEIGHT</u>	<u>CHLORIDES</u>	<u>VISCOSITY</u>	<u>FILTRATE</u>
0' - 300'	8.4	0 - 50K	32 - 36	NO CONTROL
300' - <del>2,150'</del> <sup>1500'</sup>	<del>8.4 - 10.0</del>	<del>0 - 200K</del>	28 - 29	NO CONTROL
2,150' - 8,600'	8.6 - 8.8	50 - 60K	28 - 29	NO CONTROL
8,600' - 9,100'	8.6 - 10.0	50 - 100K	28 - 29	6 - 8 WL

PH to be maintained below 10

Only Fresh Water Mud @ 1500'  
or Air Drill



HAINES #1  
1980' FNL & 1980' FWL  
SEC. 19, T17S, R27E  
EDDY CO., NM.



HAINES #1  
 1980' FNL & 1980' FWL  
 SEC. 19, T17S, R27E  
 EDDY CO., NM.