

N.M. Oil Cons. DIV-Dist. 2

If earthen pits are used in
association with the drilling of this well, an OCD pit permit must be
obtained prior to pit construction.

RECEIVED

MAY 11 2004

OCD-ARTESIA

Form 3160-3
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

5. Lease Serial No.
NM 0441951

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.
MOORE FED COM #3

9. API Well No.
30-015-33828

10. Field and Pool, or Exploratory
WHITE CITY PENN

11. Sec., T., R., M., or Blk. and Survey or Area
SEC. 35, T-24S-R26E

12. County or Parish
EDDY

13. State
NM

1a. Type of Work: ☒ DRILL ☐ REENTER1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☐ Multiple Zone

2. Name of Operator
MURCHISON OIL & GAS, INC.

3a. Address 1100 MIRA VISTA BLVD.
PLANO, TX. 75093-4698

3b. Phone No. (include area code)
(972) 931-0700

4. Location of Well (Report location clearly and in accordance with any State requirements. *)

At surface 660' FSL & 990' FEL NE/NE (P)
At proposed prod. zone 860 1980 per SN dated 4/16/04

14. Distance in miles and direction from nearest town or post office*
17 MILES SW OF CARLSBAD NM

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any) 660'

16. No. of Acres in lease
160

17. Spacing Unit dedicated to this well
3rd WELL ON 640 AC.

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft. 2850'

19. Proposed Depth
11900'

20. BLM/BIA Bond No. on file

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
3371' GR

22. Approximate date work will start*
4/1/03

23. Estimated duration

24. Attachments

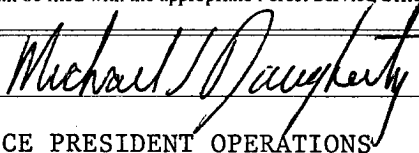
CARLSBAD CONTROLLED WATER BASIN

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature



Name (Printed/Typed)

MICHAEL S. DAUGHERTY

Date

11/14/03

Title

VICE PRESIDENT OPERATIONS

Approved by (Signature)

/s/ Leslie A. Theiss

Name (Printed/Typed)

/s/ Leslie A. Theiss

Date

10 MAY 2004

Title

FIELD MANAGER

Office

CARLSBAD FIELD OFFICE

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

APPROVAL FOR 1 YEAR

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED

Witness Surface Casing

VAC

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Oil Cons.
N.M. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

FORM APPROVED
OMB No. 1004-0135
Expires: January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator **MURCHISON OIL & GAS, INC.**

3a. Address
1100 MIRA VISTA BLVD., PLANO, TX. 75093-4698

3b. Phone No. (include area code)
972-931-0700

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SEC. 35, T24S, R26E
860' FSL & 1980' FEL**

5. Lease Serial No.

NM 0441951

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No

MOORE FED COM #3

9. API Well No.

10. Field and Pool, or Exploratory Area
WHITE CITY PENN

11. County or Parish, State

EDDY CO., NM.

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Move well location</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>and replace drilling</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	<u>location plat</u>

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

1) Move well's surface location as indicated on attached Well Location and Acreage Dedication Plat NM Form C-102.

2) Replace drilling location plat with attached plat. A larger rig will be utilized than previously anticipated. Also new location requires change in rig orientation with "V" door to the North and reserve pits to the west.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

MICHAEL S. DAUGHERTY

Title **VICE PRESIDENT OPERATIONS**

Signature

Michael S. Daugherty

Date

04/06/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by /s/ Leslie A. Theiss

FIELD MANAGER

Date **10 MAY 2004**

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office **CARLSBAD FIELD OFFICE**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

District I
1825 N. French Dr. Hobbs, NM 88240

District II
811 South First, 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, 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	
Property Code		Property Name MOORE FED. COM			Well Number 3
OGRID No. 015363		Operation Name MURCHISON OIL & GAS, INC.			Elevation 3355

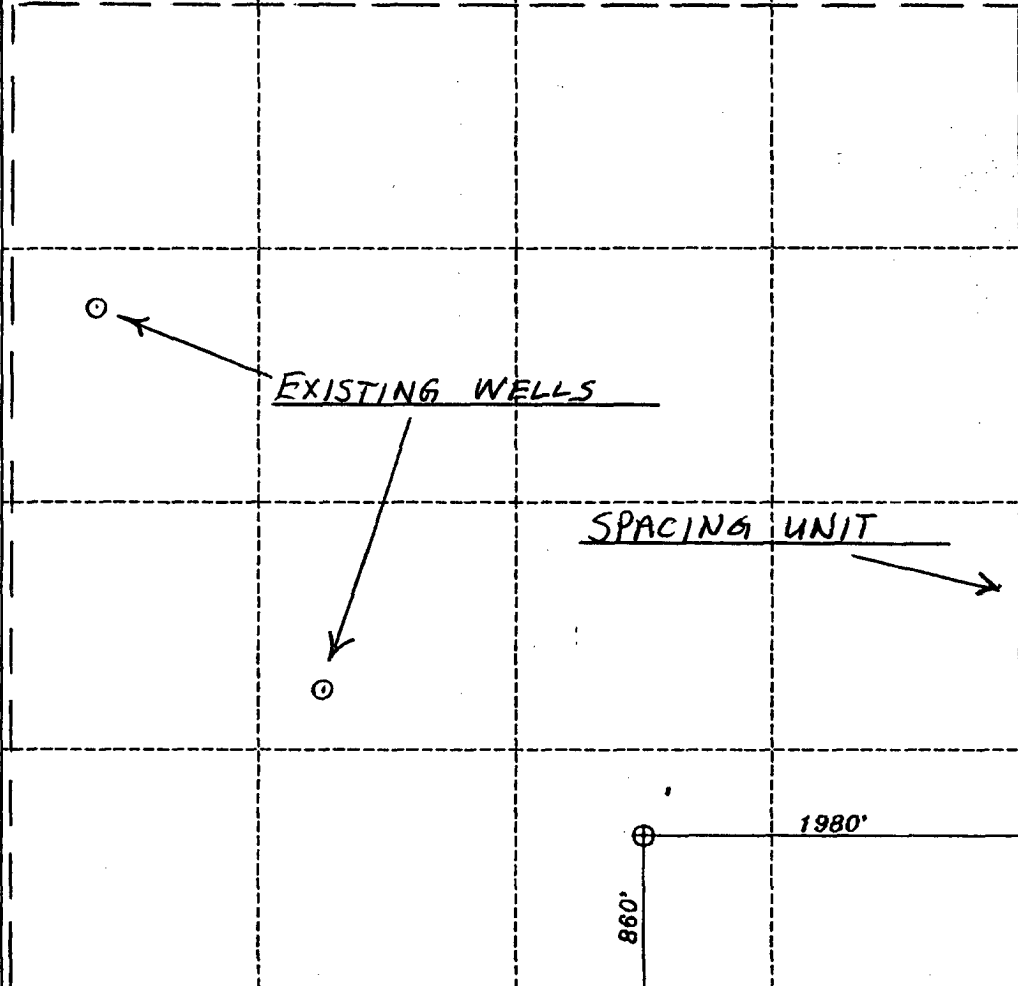
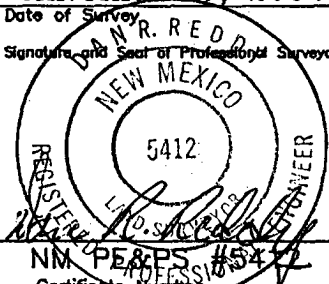
Surface Location

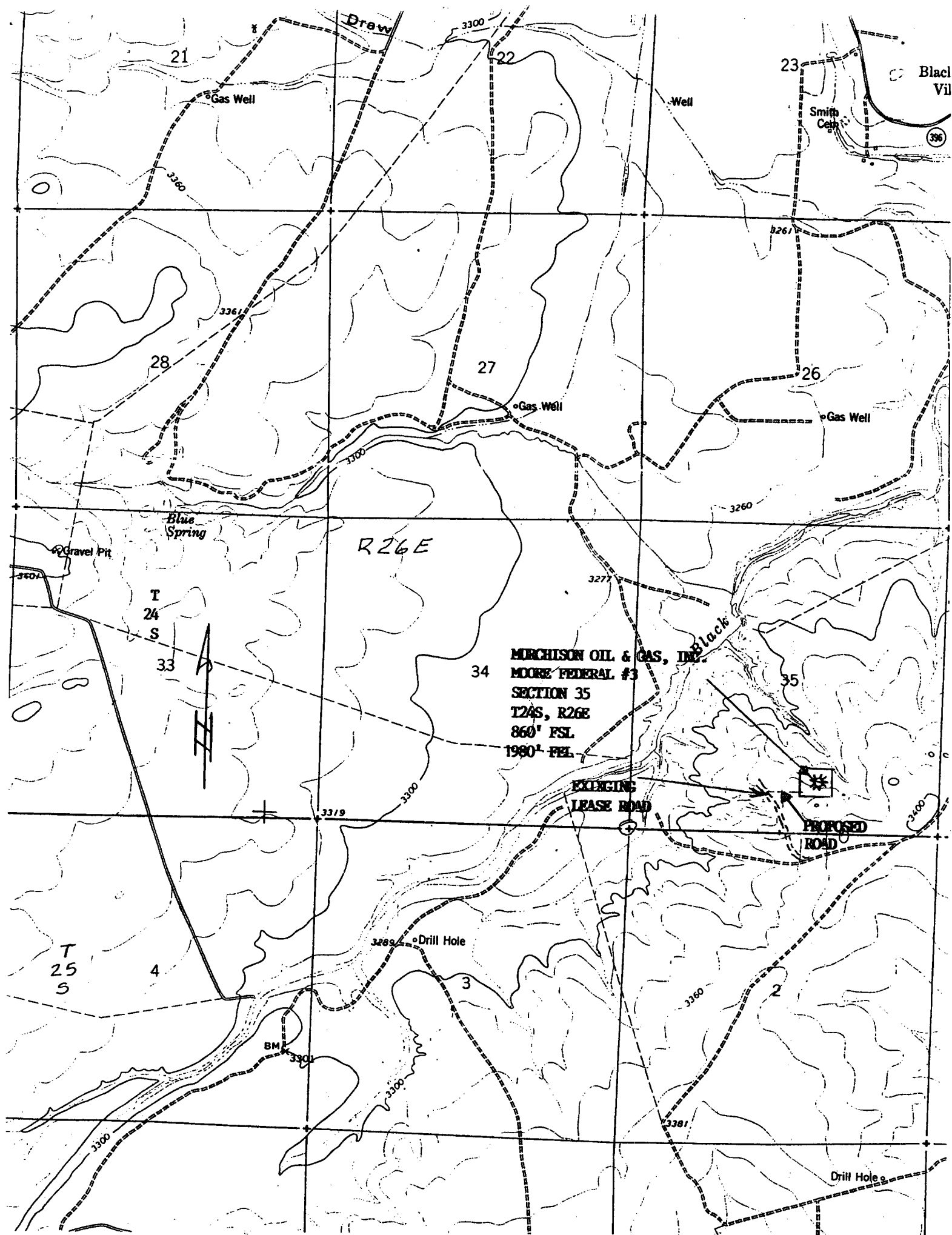
UL or Lot No. 0	Section 35	Township 24-S	Range 26-E	Lot Idn.	Feet from the	North/South line SOUTH	Feet from the	East/West line EAST	County EDDY
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Bottom Hole Location If Different From Surface

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

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

	OPERATOR CERTIFICATION I HEREBY CERTIFY THAT THE INFORMATION HEREIN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.
	Signature <i>Michael S. Daugherty</i>
	Printed Name MICHAEL S. DAUGHERTY
	Title VICE PRESIDENT OPERATIONS
	Date 4/6/04
	SURVEYOR CERTIFICATION 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.
	JANUARY 27, 2004 Date of Survey
	Signature and Seal of Professional Surveyor 
	NM PEAPS #5412 Certificate Number



ACCESS ROAD SKETCH

R26E

T
24
S

~~SEC~~ 35

FOUND GLO BRASS CAP.

MURCHISON OIL & GAS, INC.
MOORE FED COM #3
860' FSL
1980' FEL
SEC. 35
T24S
R26E

LAT. N32°10'07.8"
LONG W104°14'41.5"
ELEV. 3355'msl

EXISTING
LEASE
ROAD

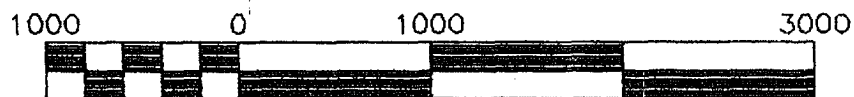
1500'

PROPOSED ROAD

2648.89' N89°57'07"E

2671.99' N00°02'53"W

FOUND GLO BRASS CAP



Scale 1" = 1000 ft

PREPARED BY: DAN R. REDDY NM PE&PS #5412
PREPARED FOR MURCHISON OIL & GAS, INC.
FEB. 3, 2004



VIA FEDERAL EXPRESS

MURCHISON OIL & GAS, INC.
MURCHISON PROPERTIES, INC.

November 14, 2003

United States Department of the Interior
Bureau of Land Management
Roswell District Office
2909 West Second Street
Roswell, New Mexico 88201
Attn: Linda Askawik

**Re: Application for Permit to Drill
Murchison Oil & Gas, Inc.
Moore Federal Com #3
Eddy County, New Mexico
Lease No. NM-0441951**

Gentlemen:

Murchison Oil & Gas, Inc. "MOGI" respectfully requests permission to drill our Moore Federal Com #3 located 660' FSL and 990' FEL of Section 35, T24S, R26E, Eddy County, New Mexico, Federal Lease No. NM-0441951. The proposed well will be drilled to a TD of approximately 11900' (TVD). The location and work area have been staked. It is approximately 17 miles South of Carlsbad, NM.

In accordance with requirements stipulated in Federal Onshore Oil and Gas Order No. 1 under 43 CFR 3162.1, our Application for Permission to Drill and supporting evidence is hereby submitted.

I. Application for Permit to Drill:

1. Form 3160-3, Application for Permit to Drill.
2. Form C-102 Location and Acreage Dedication Plat certified by Dan R. Reddy Registered Land Surveyor No. 5412 in the State of New Mexico, dated 9/2/03.
3. The elevation of the unprepared ground is 3371 feet above sea level.
4. The geologic name of the surface formation is Permian Rustler.
5. Rotary drilling equipment will be utilized to drill the well to TD 11900' (TVD), and run casing. This equipment will then be rigged down and the well will be completed with a pulling unit.

6. Proposed total depth is 11900' TVD.
7. Estimated tops of important geologic markers. (KDB EST @ 3396')

Delaware Sand	1975' TVD
Cherry Canyon	2960' TVD
Bone Springs	5380' TVD
Wolfcamp	8592' TVD
Cisco Canyon	10082' TVD
Strawn	10257' TVD
Atoka	10323' TVD
Morrow Lime	10907' TVD
Morrow Clastics	11097' TVD

8. Estimated depths at which anticipated water, oil, gas or other mineral bearing formations are expected to be encountered:

Primary Objective: Morrow 10907' TVD

Secondary Objectives: Atoka 10323' TVD

9. The proposed casing program is as follows:

Surface: 13-3/8" OD 48# H40 ST&C casing set at 350'

1st Intermediate: 9-5/8" OD 47# N80 ST&C casing from 0 to 1950'

2nd Intermediate: 7-5/8" OD 36# N80 SJ2 casing from 0 to 8800'

Production Liner: 5-1/2" OD 17# P-110 Flush joint SJ2 threads from 8500' to 11900'

10. Casing setting depth and cementing program:

- A. 13-3/8" surface casing set at 350', or the top of the Rustler Anhydrite, in 17-1/2" hole. Circulate cement with 300sx 35:65 POZ/Class C with 6% gel + 2% CaCl₂ + 0.25 #/sx Cello-Seal and 200sx Class C with 2% CaCl₂.

WITNESS

If cement does not circulate, a temperature survey will be run to find the TOC and then finish cementing to surface through 1" using Class C with 2% CaCl₂.

- B. 9-5/8" 1st intermediate casing set at 1950' in 12 1/4" hole. Circulate cement with 600sx 50/50 POZ/Class C with 6% gel + 5% salt + 0.25 #/sx Cello-Seal and 300sx Class C with 2% CaCl₂.

If hole conditions dictate, a DV tool may be run to ensure that the intermediate string is cemented to surface.

If cement does not circulate, a temperature survey will be run to find the TOC and then finish cementing to surface through 1" using Class C with 2% CaCl₂.

- C. 7-5/8" 2nd Intermediate casing set at 8800' in a 8-3/4" hole. Cement with 600 sx 50/50 POZ Class H cement with 0.5#/sx FL-25 + 0.2 #/sx CD-32 + 0.5 #/sx gilsonite followed by 200 sxs Class H neat.

Estimated top of cement is 1200'.

Note: Cement volumes may need to be adjusted to hole caliper.

- D. A 5-1/2" Production Liner will be set if warranted from 8500' to TD in a 6-1/2" hole. Cement with 400sx of Class "H" + 1.2% BA-56 + 4/10% CD-32 + 3/10% SMS + 5% Salt.

11. Pressure Control Equipment

0' – 350'	None
350' – 8800'	13-3/8" 5000# ram type preventers with one set blind rams and one set pipe rams and a 3000# annular preventer.
8800' – 11900'	13-3/8" 5000# ram type preventers with one set blind rams and one set pipe rams and a 3000# annular type preventer. A choke manifold and 120 gallon accumulator with floor and remote operating stations and auxiliary power system. Rotating head below 6000'. See attached Sketch of BOP Equipment.

A kelly cock will be installed and maintained in operable condition and a drill string safety valve in the open position will be available on the rig floor.

After setting the 7-5/8" casing, the blowout preventers and related control equipment shall be pressure tested to 5000 psi and 3000 psi respectively. Any equipment failing to test satisfactorily shall be repaired or replaced. Results of the BOP test will be recorded in the Driller's Log.

The BOP's will be maintained ready for use until drilling operations are completed.

BOP drills will be conducted as necessary to assure that equipment is operational and each crew is properly trained to carry out emergency duties.

Accumulator shall maintain a pressure capacity reserve at all times to provide for the close-open-close sequence of the blind and pipe rams of the hydraulic preventers.

12. Mud Program:

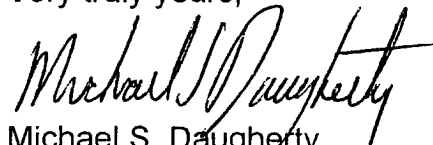
0 – 350'	Fresh water/native mud. Wt. 8.7-9.2 ppg, vis 32-34 sec, Lime for pH control (9-10). Paper for seepage. Lost circulation may be encountered.
350' – 1950'	Fresh water 8.4 ppg, vis 28-29 sec. Add 10# brine as make-up to avoid excessive washouts in salt stringers. Caustic for pH control (10-10.5). Paper for seepage. Lost circulation may be encountered.
1950' – 8800'	Fresh water. Wt. 8.4 ppg, vis 28-29 sec, caustic for pH control (9-9.5). Paper for seepage.
8800' – 10100'	Cut brine. Wt. 9.2 – 9.4 ppg, vis 28-29 sec, caustic for pH control.
10100' – 11900'	Mud up with an XCD Polymer mud system with the following characteristics: Wt. 10.0 – 13.0 ppg, Vis 32-40 sec, WL 6-8cc.

Mud system monitoring equipment with derrick floor indicators and visual/audio alarms shall be installed and operative prior to drilling into the Wolfcamp formation. This equipment will remain in use until the production casing is run and cemented. Monitoring equipment shall consist of the following:

- 1) A recording pit level indicator.
- 2) A pit volume totalizer.
- 3) A flowline sensor.

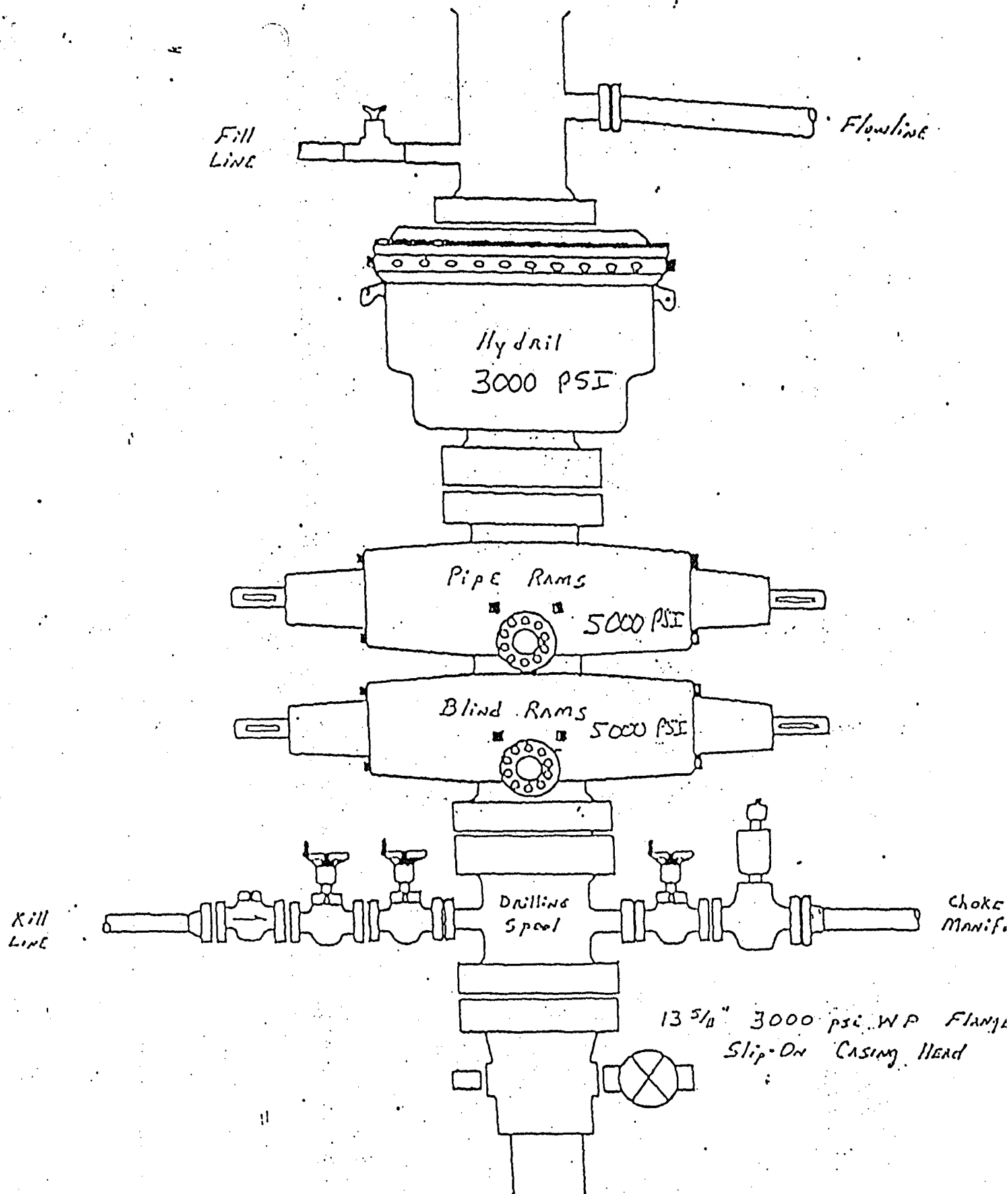
13. Testing, Logging and Coring Program:
 - A. Testing program: None.
 - B. Mud logging program: Two man unit from 1950' to TD.
 - C. Electric logging program: CNL/LDT/CAL/GR, DLL/CAL/GR.
 - D. Coring program: Possible sidewall rotary cores.
14. No abnormal temperatures, or H2S gas are anticipated. Adequate flare lines will be installed off the mud/gas separator where gas may be flared safely.
15. Anticipated starting date is April 1, 2004. It should take approximately 34 days to drill the well and another 10 days to complete.
16. A statement accepting responsibility for operations is attached.
17. The Multi-Point Surface Use & Operation Plan is attached.
18. If the Bureau of Land Management needs additional information to evaluate this application, please advise.

Very truly yours,

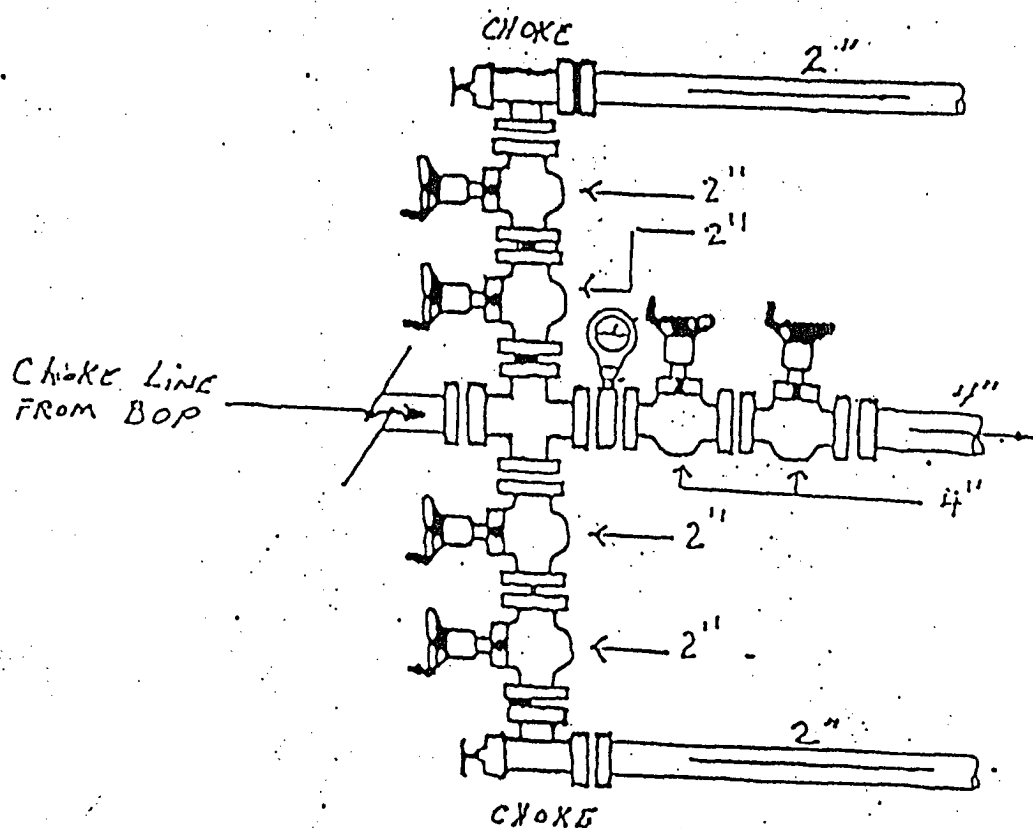

Michael S. Daugherty
Vice President, Operations

MSD/cb/MooreFdCm#3-BLM-APTD

Attachments



MURCHISON OIL & GAS, INC.
 MOORE FEDERAL COM #3
 660' FSL & 990' FEL NE/NE(P)
 EDDY CO., NM.



MURCHISON OIL & GAS, INC.
 MOORE FEDERAL COM #3
 660' FSL & 990' FEL NE/NE(P)
 EDDY CO., NM.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

MURCHISON OIL & GAS, INC.
MOORE FEDERAL COM #3
EDDY COUNTY, NEW MEXICO
LEASE NO. NM-0441951

This plan is submitted with the Application for Permit to Drill the above described well. The purpose of the plan is to identify the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved and the procedures to be followed in rehabilitating the surface after completion of the operation so that a complete appraisal may be made of the environmental effects associated with the operation.

The well, and work area have been staked by a registered New Mexico land surveyor. Mesa Field Services have been engaged to make an archaeological reconnaissance of the work area. Their findings concerning cultural resources will be reported to the Bureau of Land Management.

1. Existing Roads

A copy of a 1" to 2000' Topographic map is attached showing the proposed location. The well location is spotted on this map, which also shows the existing road system.

2. Planned Access Road

- A. An existing lease access road off of US Highway 62/180 will be used to gain access to location. About 500' feet of new lease road will have to be constructed.
- B. Surfacing material: Six inches of caliche and water, compacted and graded.
- C. Maximum Grade: Less than 3%
- D. Turnouts: None needed.
- E. Drainage Design: N/A.
- F. Culverts: None needed.
- G. Cuts and Fills: Leveling the location will require minimal cuts or fills.

- H. Gates or Cattleguards: None required.
- 3. Existing wells within a one mile radius of the proposed development well are shown on the attached map.
- 4. Location of Existing and/or Proposed Facilities
 - A. If the well is productive, production facilities will be constructed on the well pad. The facility will consist of a stack pack, one 300 bbl oil tank and one 300 bbl fiberglass water tank. All permanent above ground facilities will be painted in accordance with the BLM's painting guidelines simulating the color of sandstone brown.
 - B. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to and a site security plan will be submitted for the Moore Federal Com #3 tank battery. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.
- 5. Location and Type of Water Supply

Fresh water and brine water will be used to drill this well. It will be purchased from a supply in or near Carlsbad and transported to the well site.
- 6. Source of Construction Materials

Caliche for surfacing the well pad will be obtained from a Federal pit located in Eddy County, New Mexico.
- 7. Method of Handling Waste Disposal
 - A. Drill Cuttings will be disposed of in drilling pits.
 - B. Drilling fluids will be allowed to evaporate in the drilling pits until pits are dry.
 - C. Water produced during tests will be disposed of in the drilling pits. Oil produced during tests will be stored in test tanks until sold.
 - D. Current laws and regulations pertaining to the disposal of human waste will be complied with.

- E. Trash, waste paper, garbage and junk will be collected in steel trash bins and removed after drilling and completion operations are completed. All waste material will be contained to prevent scattering by the wind.
 - F. All trash and debris will be removed from the wellsite within 30 days after finishing drilling and/or completion operations.
- 8. Ancillary Facilities
 - A. None needed.
- 9. Wellsite Layout
 - A. The location and dimensions of the well pad, mud pits, reserve pit and location of major rig components are shown on the attached well site layout sketch. If Patterson Drilling Company Rig #78 is not utilized a comparable rig will be substituted. The V-door will be to the south and the pits to the east.
 - B. Leveling of the wellsite will be required with minimal cuts or fills anticipated.
 - C. The reserve pit will be plastic lined.
 - D. The pad and pit area have been staked and flagged.
- 10. Plans for Restoration of the Surface
 - A. After completion of drilling and/or completion operations, all equipment and other materials not needed for operations will be removed. Pits will be filled and location cleaned of all trash and junk to leave the well site in as aesthetically pleasing condition as possible.
 - B. Any unguarded pits containing fluids will be fenced until they are filled.
 - C. After abandonment of the well, surface restoration will be in accordance with the land owner. This will be accomplished as expeditiously as possible. Barring unforeseen problems, all pits will be filled and leveled within 90 days after abandonment.

11. Other Information

- A. Topography: The location is a flat plain. Ground Level elevation is 3371 feet.
- B. Soil: Sandy clay loams.
- C. Flora and Fauna: The vegetative cover is generally sparse consisting of mesquite, yucca, shinnery oak, sandsage and perennial native range grasses. Wildlife in the area is also sparse consisting of coyotes, rabbits, rodents, reptiles, dove and quail.
- D. Ponds and Streams: Black River Stream is 1200' to the north west.
- E. Residences and Other Structures: There are no occupied dwellings within a 1 mile radius of the location.
- F. Archaeological, Historical and Cultural Sites: An Archaeological Consultant who is acceptable to the BLM will be engaged to make an archaeological reconnaissance of the work area.
- G. Land Use: Cattle ranching.
- H. Surface Ownership: The surface is public land leased by Ogden Farms, 159 W. Ogden Rd., Loving, NM. 88256. They will be notified of our intention to drill prior to any activity.

Upon completion of the well, any plastic material used to line the pits or sumps will be cut off below ground level as far as possible and disposed of before the pits are covered. All unattended pits containing liquid will be fenced and the liquid portion allowed to evaporate before the pits are broken and backfilled.

All waste associated with the drilling operation will be contained in steel bins and removed. All garbage and debris left on site will be removed within 30 days of the final completion. The well site, if a producer, will be maintained and kept clean of all trash and litter which detracts from the surrounding environment. Equipment will be maintained in accordance with good operating practice.

After the wellsite is cleaned and pits and sumps backfilled, any obstruction to the natural drainage will be corrected by ditching or terracing. All disturbed areas, including any access road no longer needed, will be ripped. Those areas will be reseeded with grass if, in the opinion of the land owner, it is required.

12. Operator's Representatives

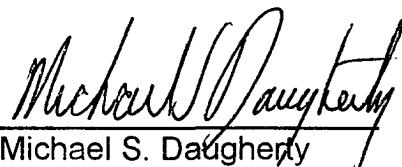
The Field representatives responsible for assuring compliance with the approved surface use and operations plan are as follows:

Michael S. Daugherty
1100 Mira Vista Blvd.
Plano, TX. 75093-4698
Office Phone: (972) 931-0700
Home Phone: (972) 618-0792

Randy Ford
201 W. Wall, Ste. 600
Wall Tower East
Midland, TX. 79701
Office Phone: (915) 682-0440
Cell Phone: (915) 559-2222

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 presently 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 MOGI and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.


Michael S. Daugherty

11/17/03
Date

Vice President, Operations
Murchison Oil & Gas, Inc.

UNITED STATES DEPARTMENT OF THE INTERIOR
Bureau of Land Management
Roswell Field Office
2909 West Second Street
Roswell, New Mexico 88201-1287

Statement Accepting Responsibility for Operations

Operator Name: MURCHISON OIL & GAS, INC.
Street or Box: 1100 MIRA VISTA BLVD.
City, State: PLANO, TX.
Zip Code: 75093-4698

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.: NM-0441951

Legal Description of Land: S/2 of S/2
SECTION 35, T24S, R26E

Formation (s) (if applicable): FROM THE SURFACE DOWN TO 11900'

Bond Coverage (State if individually bonded or another's bond):
PERSONAL STATEWIDE BOND

BLM Bond File No.: ~~NM2683~~ 2163

Authorized Signature: Michael S. Daugherty
MURCHISON OIL & GAS, INC.

Title: MICHAEL S. DAUGHERTY
VICE PRESIDENT OPERATIONS

Date: 11/17/03