30-015-38464

SURFACE USE AND OPERATIONS PLAN FOR DRILLING, COMPLETION, AND PRODUCING

Murchison Oil & Gas, Inc. Pequeno Mike BLU Federal #4H

SL: 3530' FNL & 200' FWL, Lot 12, Sec. 2, T16S, R29E BHL: 3613' FNL & 330' FWL, Lot 12, Sec. 3, T16S, R29E Eddy County, New Mexico

LOCATED

Approximately 24 miles NE of Artesia, New Mexico.

OIL & GAS LEASE

SHL: LS# V-4949

BHL: LS# NM NM 105211

BOND COVERAGE

NM 2163

POOL

County Line Tank; Abo

OIL & GAS RECORD LESSEE

Lessee: Murchison Oil & Gas, Inc., 1100 Mira Vista Blvd., Plano, TX 75093

Operating Rights: Murchison Oil & Gas, Inc., 1100 Mira Vista Blvd., Plano, TX 75093

SURFACE OWNER

State of New Mexico

MINERAL OWNER

Bureau of Land Management

GRAZING TENANT

Bogle Ltd Co. LLC, P.O. Box 460, Dexter, NM 88230 (575) 433-3500

EXHIBITS

A (form C-102)	Well Location & Acreage Dedication Plat
В	Topographic & Location Verification Map
C	Area Road Map
C-1 & C-2	Vicinity Oil & Gas Map
D	Proposed Lease Road
E	Drilling Rig Layout
F	BOPE Schematic
G	Choke Manifold Schematic

This well will be drilled to a BHL of approximately 7,147' TVD, and approximately 12,085' MD.

Murchison Oil & Gas Inc. Pequeno Mike BLU Federal #4H Well Page 2 of 4

EXISTING ROADS

Exhibit A (Form C-102) is a portion of a section map showing the location of the proposed well as staked.

Exhibit C is a map showing existing roads in the vicinity of the proposed well site.

Directions to well location: From the intersection of U.S. Hwy. 82 and Co. Rd. #214 (Barnaval Draw Rd.), go north on Co. Rd. #214 approximately 7.0 miles. Go northeast approximately 3.5 miles. The location stake is approximately 1,000 feet northwest (Exhibit D).

ACCESS ROADS

Length and Width

Proposed new access road is approximately 447' long by 30' wide (Exhibit D). Murchison Oil & Gas, Inc. has agreements with the surface owners for right of-way for the lease road to the proposed well.

Surface Material

Six inches of caliche and water, compacted and graded.

Maximum Grade

Less than three percent

Turnouts

None needed

Drainage Design

N/A

Culverts

None needed

Gates and Cattle Guards

None required

LOCATION OF EXISTING WELLS

The locations of existing wells in Section 2 are shown on Exhibit C-1 and C-2.

LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

Necessary production facilities for this well will be located on the well pad.

LOCATION AND TYPE OF WATER SUPPLY

It is planned to drill the proposed well with a cut-brine water system or with produced water. The water will be obtained from either a private water well owner or a commercial source and will either be piped to location from a nearby water well or will be hauled to location by truck over existing and proposed lease roads as shown on Exhibit D.

SOURCE OF CONSTRUCTION MATERIALS

Caliche required for the construction of the location pad and access road will be obtained from caliche on the location or from the nearest BLM-approved pit.

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METHODS OF HANDLING WASTE DISPOSAL

All drilling fluid will be circulated over shaker(s) with cuttings discharged into roll off container.

Fluid and fines below shaker(s) will be circulated with transfer pump through centrifuge(s) or solids separator with cuttings and fines discharged into roll off container.

Fluid will be continuously re-circulated through equipment with polymer added to aid separation of cutting fines.

Roll-off containers will be lined and de-watered with fluids re-circulated into system.

Additional tank will be used to capture unused drilling fluid or cement returns from casing jobs.

This equipment will be maintained by solids control personnel and/or rig crews on location.

Cuttings will be hauled to one of the following, depending on which rig is available to drill well:

CRI (permit number R9166) or GMI (permit number 711-019-001)

ANCILLARY FACILITIES

None required.

WELL SITE LAYOUT

Exhibit E shows the relative location and dimensions of the well pad, mud pits, cuttings containers and trash pit, and the location of major rig components. Operator requests V-door be positioned to the East, and the steel pits located to the North.

The ground surface at the drilling location is essentially flat.

A Closed-Loop System will be used.

The pad area has been staked and flagged.

PLANS FOR RESTORATION OF THE SURFACE

After finishing drilling and/or completion operations, all equipment and other material not needed for further operations will be removed. The location will be cleared of all trash and junk to leave the site in an as aesthetically pleasing condition as possible.

Any unguarded pits containing fluids will be fenced until they are filled.

If the proposed well is non productive, all rehabilitation and/or vegetation requirements of the Bureau of Land Management and the United States Geological Survey will be complied with and will be accomplished as expeditiously as possible.

Murchison Oil & Gas Inc. Pequeno Mike BLU Federal #4H Well Page 4 of 4

OTHER INFORMATION

Topography

The land surface at the well site is small, rolling hills.

Soil

Loamy soil shallow to caliche and raw Gypsum.

Flora and Fauna

The vegetation consists of creosote, mesquite, yucca, prickly pear, Mormon tea, cane cholla, pencil cholla, horse crippler and various grasses. Faunal species include pronghorn antelope, mule deer, coyote, badger, rabbits, and various snakes, small mammals, birds and reptiles.

Ponds and Streams

There are no rivers, lakes, ponds, or streams in the area.

Residences and Other Structures

There are no residences within one mile of the proposed well site.

Archaeological, Historical, and Cultural sites

An Archaeological Survey has been sent to the BLM Office.

Land Use

Grazing

OPERATOR'S REPRESENTATIVES

Arnold Nall 1100 Mira Vista Blvd. Plano, TX 75093-4698

Office Phone: (972) 931-0700 Cell Phone: (214) 415-3010

Randy Ford

415 W. Wall Street, Suite 1700

Midland, TX 79701

Office Phone: (432) 682-0440 Cell Phone: (432) 559-2222

Murchison Oil & Gas, Inc. Pequeno Mike BLU Federal #4H

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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 Murchison Oil & Gas, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

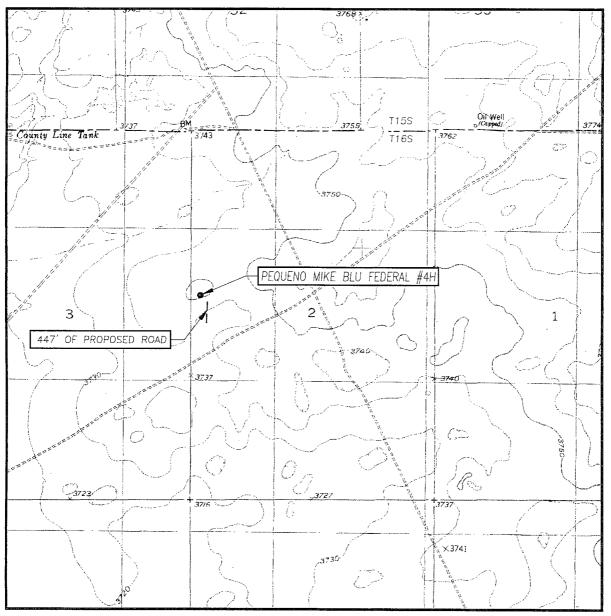
1/11/2011

Date

Arnold Nall

VP, Operations / Murchison Oil & Gas, Inc.

LOCATION VERIFICATION MAP



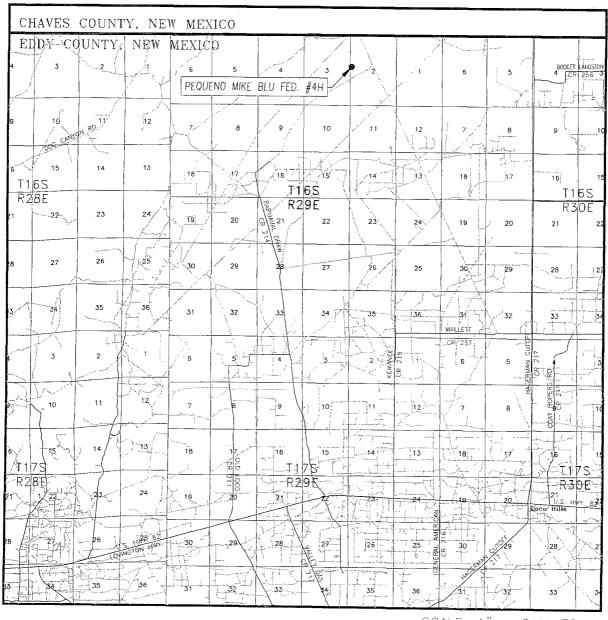
SCALE: 1" = 2000'

CONTOUR INTERVAL: BASIN WELL, N.M. - 10'



PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
, HOBBS, N.M. 88240
(575) 393-3117

VICINITY MAP



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SCALE: 1'' = 2 MILES

SEC. 2 TWP. 16-S RGE. 29-E

SURVEY N.M.P.M.

COUNTY EDDY STATE NEW MEXICO

DESCRIPTION 3530' FNL & 200' FWL

ELEVATION 3753'

OPERATOR MURCHISON OIL & GAS, INC.

LEASE PEOUENO MIKE BLU FED.



PROVIDING SURVEYING SERVICES
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EXHIBIT C-1



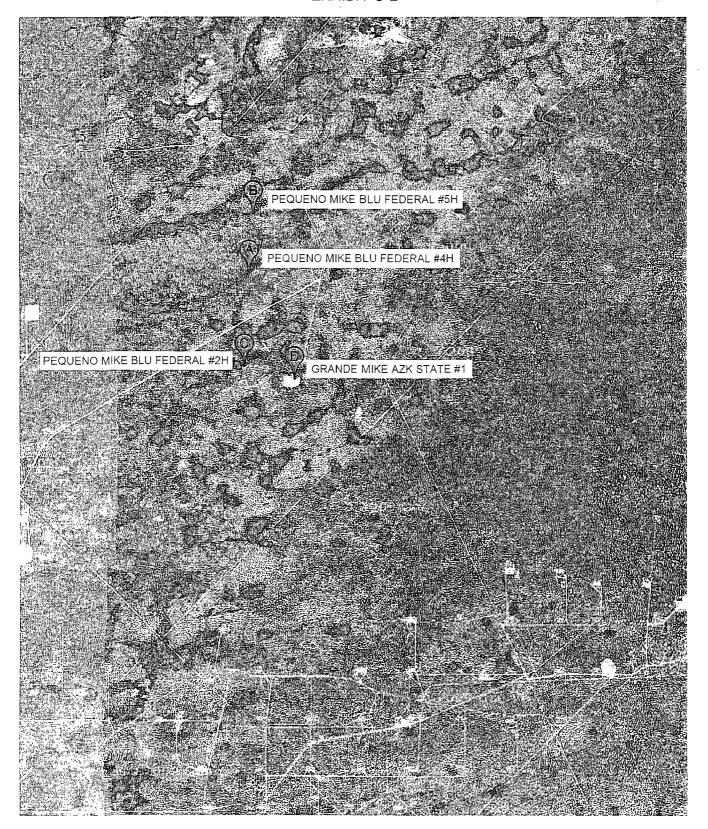


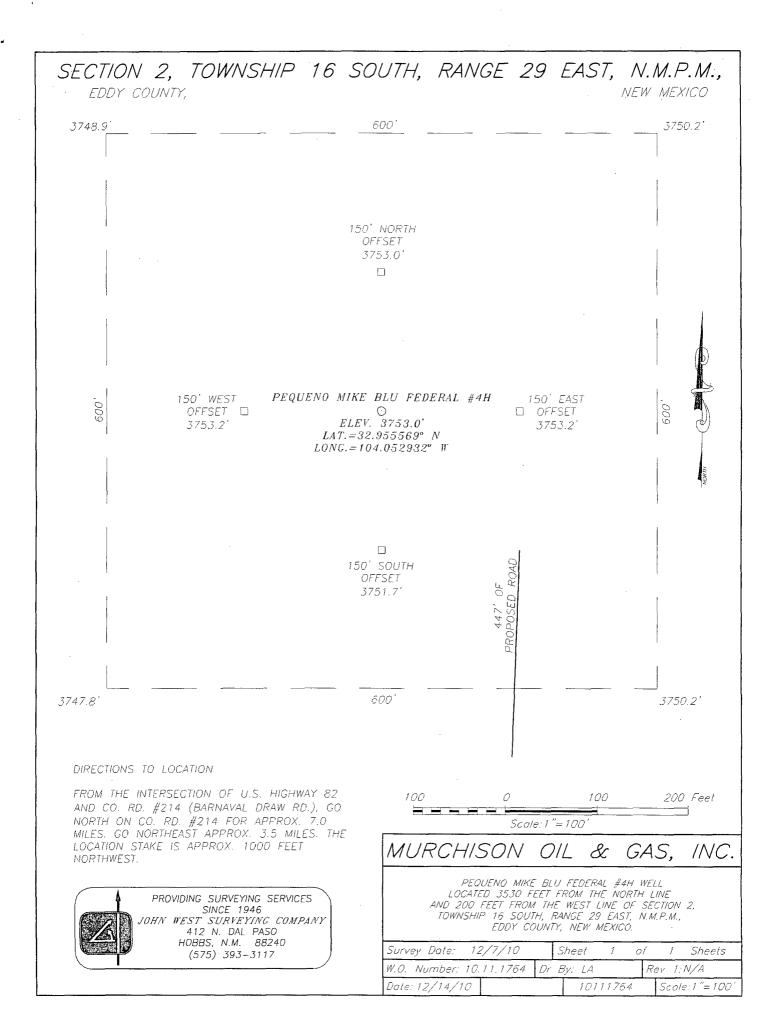
PEQUENO MIKE BLU FEDERAL #4H

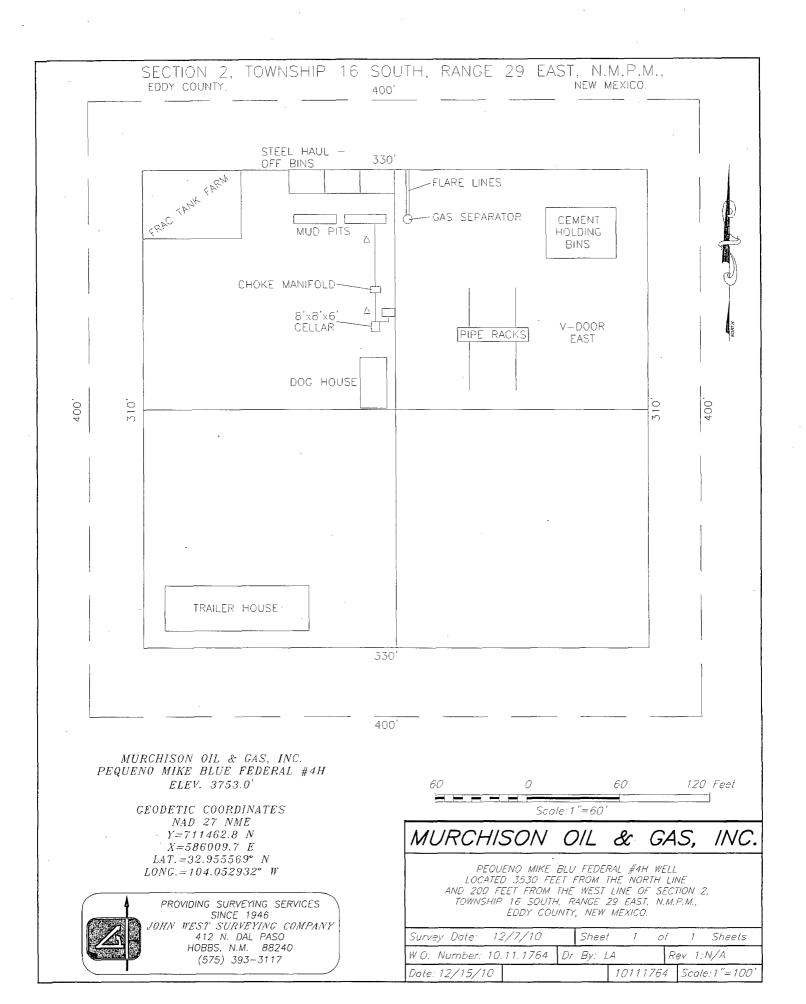


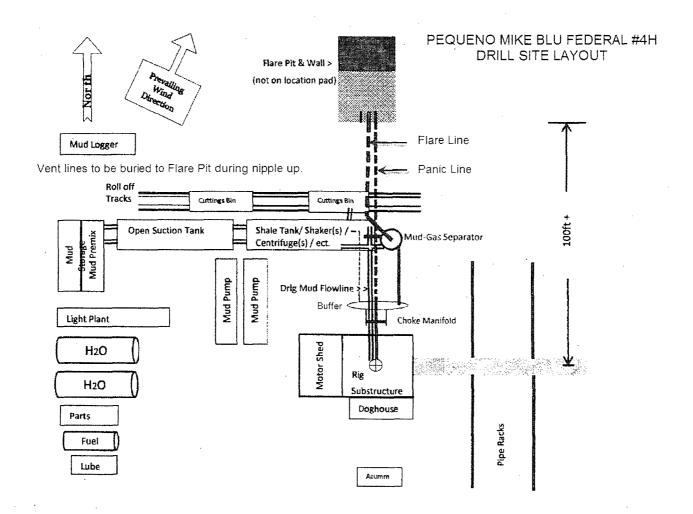


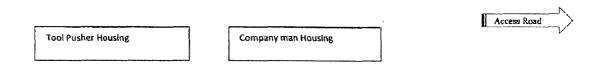




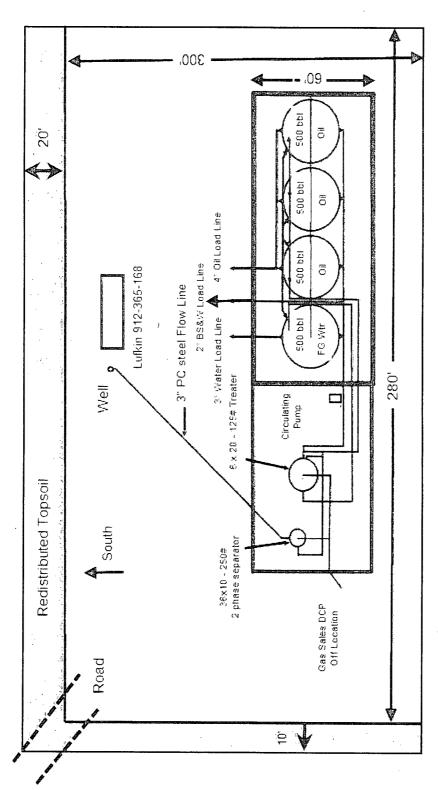








Murchison Oil & Gas, Inc. Pequeno Mike BLU Federal #4H Sec.2, T16S, R29E Eddy County, NM



Containment Area Volume around tanks $40' \times 100' \times 2.89 = 2.064$ bbis

Tank Pad - caliche pad & padded w/top soil & lined w/20 mill liner; liner padded w/top soil & 3/8" crushed rock

Retaining Wall - caliche & padded w/top soil covered w/20 mill liner

Leak detection float w/alarm inside retaining wall, level control alarms on all tanks

Earth retaining wall around separator & treater

