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ATTORNEYS AT LAW

EL PATIO BUILDING

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NATURAL RESOURCES-OIL AND GAS LAW

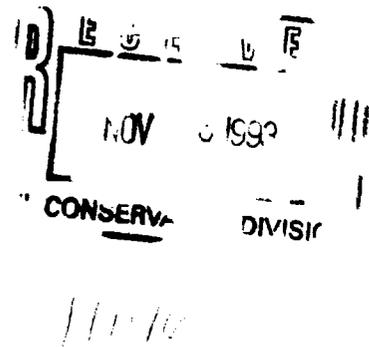
JASON KELLAHIN (RETIRED 1991)

TELEPHONE (505) 982-4285  
TELEFAX (505) 982-2047

November 3, 1994

HAND DELIVERED

Mr. Michael E. Stogner  
Chief Hearing Examiner  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501



Re: Murphy "A" Com A Well No. 2, C-02-29N-11W  
Application of Meridian Oil Inc.  
for downhole commingling and an  
unorthodox coal-gas well location,  
San Juan County, New Mexico

Dear Mr. Stogner:

On behalf of Meridian Oil Inc., please find enclosed our referenced application which we request be set for hearing on the next available Examiner's docket now scheduled for December 1, 1994.

By copy of this letter and application, sent certified mail, we are notifying all interested parties of their right to appear at the hearing and participate in this case, including the right to present evidence either in support of or in opposition to the application and that failure to appear at the hearing may preclude them from any involvement in this case at a later date.

Oil Conservation Division  
November 3, 1994  
Page Two

Pursuant to the Division's Memorandum 2-90, all parties are hereby informed that if they appear in this case, then they are requested to file a Pre-Hearing Statement with the Division not later than 4:00 PM on Friday, November 25, 1994, with a copy delivered to the undersigned.

Also enclosed is our proposed advertisement of this case for the NMOCD docket.

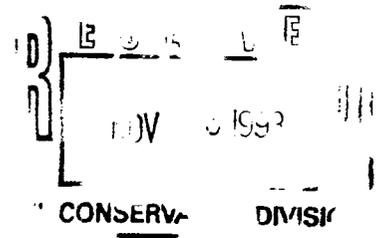
Very truly yours,

A handwritten signature in black ink, appearing to read 'W. Thomas Kellahin', written in a cursive style.

W. Thomas Kellahin

WTK/wtk  
Enclosure

cc: Meridian Oil Inc. and  
**By Certified Mail - Return Receipt**  
All Interested Parties



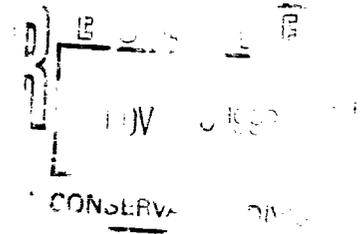
PROPOSED ADVERTISEMENT

Case 11146: Application of Meridian Oil Inc. for downhole commingling and an unorthodox coal-gas well location, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval to downhole commingle conventional Aztec-Pictured Cliffs Gas Pool production (145.33-acre non-standard dedication comprising lots 3,4, and S/2NW/4 being NW/4 equivalent) with coal gas production from the Basin-Fruitland Coal Gas Pool (305.33-acre standard dedication comprising Lots 3,4, S/2NW/4 and SW/4, being W/2 equivalent) within the wellbore of its Murphy "A" Com A Well No. 1 located 990 feet from the North line and 1650 feet from the West line (Unit C) of Section 2, T29N, R11W, NMPM. Said well is considered to be located at an unorthodox "off-pattern" coal-gas well location. Said well is located approximately 3.5 miles north-northeast of Bloomfield, New Mexico.

STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
DIVISION FOR THE PURPOSE OF  
CONSIDERING:

APPLICATION OF MERIDIAN OIL INC.  
FOR DOWNHOLE COMMINGLING AND AN  
UNORTHODOX COAL-GAS WELL LOCATION,  
SAN JUAN COUNTY, NEW MEXICO.



CASE: 11146

**APPLICATION**

Comes now MERIDIAN OIL INC., ("Meridian") by and through its attorneys, Kellahin and Kellahin, and applies to the New Mexico Oil Conservation Division for approval to downhole commingle conventional Aztec-Pictured Cliffs Gas Pool production (145.33-acre non-standard dedication comprising lots 3,4, and S/2NW/4 being NW/4 equivalent) with coal gas production from the Basin-Fruitland Coal Gas Pool (305.33-acre standard dedication comprising Lots 3,4, S/2NW/4 and SW/4, being W/2 equivalent) within the wellbore of its Murphy "A" Com A Well No. 1 located 990 feet from the North line and 1650 feet from the West line (Unit C) of Section 2, T29N, R11W, NMPM. Said well is considered to be located at an unorthodox "off-pattern" coal-gas well location.

In support of its application, Meridian states:

(1) Meridian is the operator of the Murphy "A" Com A Well No. 2 in Section 2, T29N, R11W, NMPM, San Juan County, New Mexico which currently is a single completion well within a previously approved 145.33-acre non-standard gas proration and spacing unit for production from the Aztec-Pictured Cliffs Gas Pool. See Exhibit "A" attached.

(2) The well is to be recompleted so that production from the Basin-Fruitland Coal Gas Pool and the Pictured Cliffs formation can be downhole commingled in the wellbore.

(3) In addition, Meridian has selected to recomplete its Murphy "A" Com A Well No. 2 at an unorthodox "off pattern" coal gas well location in order to downhole commingle that production with the Pictured Cliffs production in order to recover marginal Pictured Cliffs gas reserves located in the NW/4 of Section 2.

(4) The ownership is not common for the well and its respective spacing and proration units in both pools.

(5) In accordance with Division Rule 303-C-1.(b), the Applicant states and will demonstrate at hearing:

1. the downhole commingling in this wellbore is necessary because evidence indicates that the Pictured Cliffs formation in this area of the San Juan Basin should be marginally productive and that due to the marginal production expected, it is uneconomic to drill a stand alone Pictured Cliffs Well. In addition, it is not economic to attempt to dually complete those formations in this well;

2. there will be no crossflow between the two zones commingled;

3. neither commingled zones exposes the other to damage by produced liquids;

4. the fluids from each zone are compatible with the other;

5. it is expected that the bottom hole pressure of the lower pressure zone is not less than 50 percent of the bottom hole pressure of the higher pressure zone adjusted to a common datum.

6. the value of the commingled production will not be less than the sum of the values of the individual production.

(6) The proposed downhole commingling is necessary in order for the applicant to economically recover Basin-Fruitland Coal Gas and Pictured Cliffs Gas Pool reserves underlying each respective proration unit.

(7) Due to the nature of the Basin-Fruitland Coal Gas production, straight allocation of gas volumes from both zones is not appropriate. Meridian therefore seeks the adoption of a monthly allocation formula to be presented at the time of the hearing.

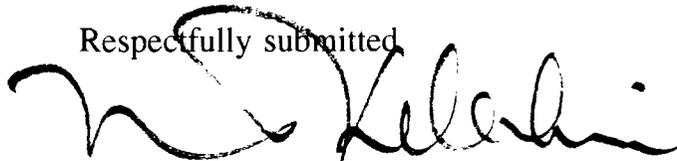
(8) Applicant requests that this matter be docketed for hearing on the Division's Examiner docket now scheduled for December 1, 1994.

(9) A copy of this application is being sent to all owners of production within the respective spacing unit for the well who may be affected by downhole commingling.

(10) Copy of this application has been sent to all offsetting operators to the two spacing units for the well.

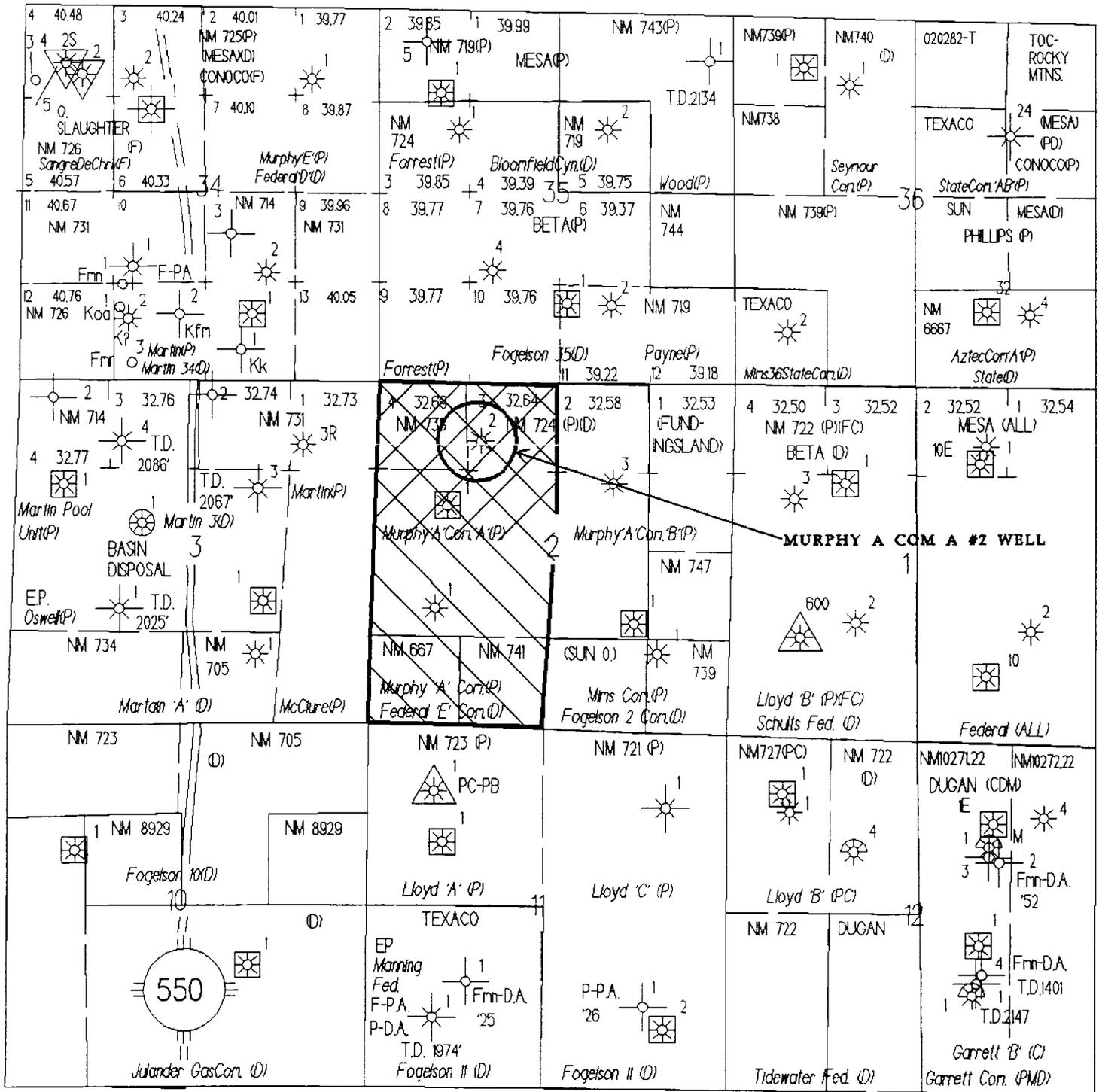
WHEREFORE Applicant requests that this matter be set for hearing on December 1, 1994 before a duly appointed Examiner of the Oil Conservation Division and that after notice and hearing as required by law, the Division enter its order granting this application.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'W. Thomas Kellahin', written over the typed name below.

W. Thomas Kellahin  
KELLAHIN and KELLAHIN  
P. O. Box 2265  
Santa Fe, New Mexico 87501  
(505) 982-4285  
Attorneys for Applicant

# MURPHY A COM A #2 WELL UNIT C, SECTION 2, T29N, R11W SAN JUAN CO., NEW MEXICO



- |   |  |   |
|---|--|---|
|  FRUITLAND SAND WELL  |  MESAVERDE WELL |  FRUITLAND COAL PRORATION UNIT  |
|  FRUITLAND COAL WELL  |  DAKOTA WELL    |  PICTURED CLIFFS PRORATION UNIT |
|  PICTURED CLIFFS WELL |  GALLUP WELL    |   |

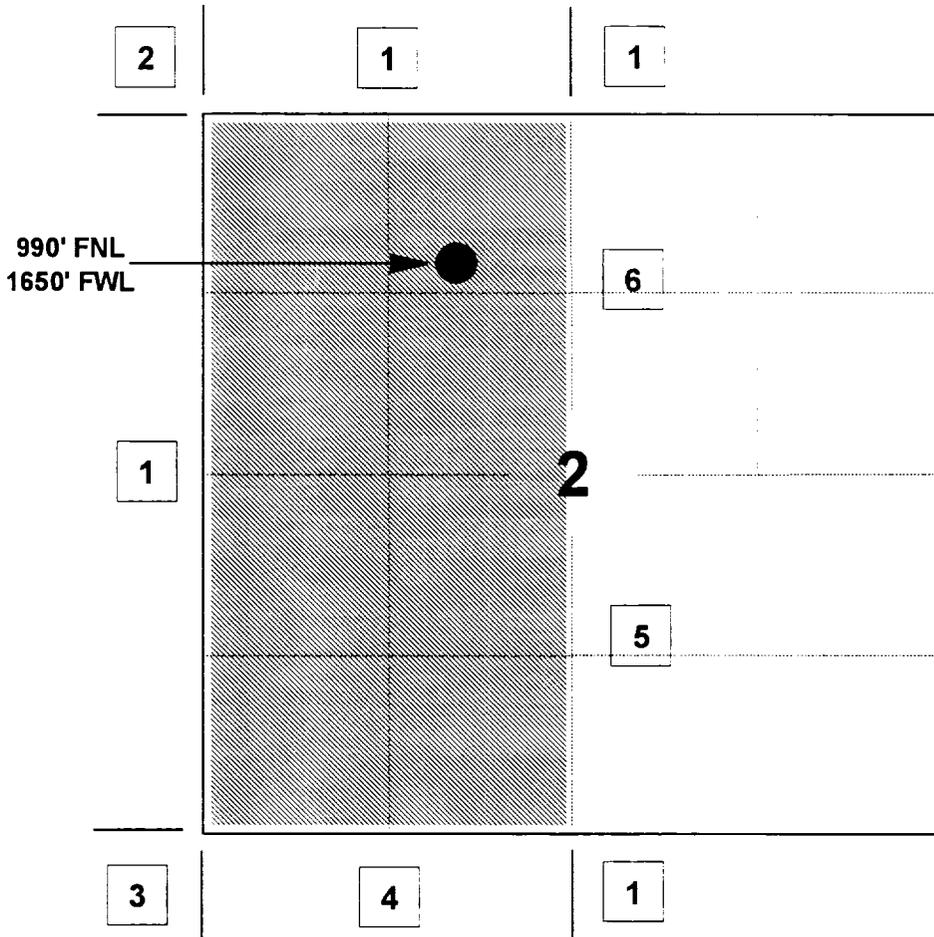
# MERIDIAN OIL INC

## MURPHY A COM A #2

OFFSET OPERATOR \ OWNER PLAT

Off Pattern Fruitland Coal Well Location

Township 29 North, Range 11 West



1) Meridian Oil Inc		
2) Meridian Oil Inc	&	
Conoco, Inc.		10 Desta Drive, Suite 100W, Midland, TX 79705
3) Meridian Oil Inc	&	
Mobil Producing Texas & New Mexico		PO Box 633, Midland, TX 79702
Dugan Production Corporation		PO Box 420, Farmington, NM 87499
4) Meridian Oil Inc	&	
Texaco Exploration & Production, Inc.		PO Box 2100, Denver, CO 80201
5) Meridian Oil Inc	&	
Sunland Oil Company		6200 Desert Moon Loop, Tucson, AZ 85715
6) Meridian Oil Inc	&	
Petroleum Distributors		PO Box 1157, Littleton, CO 80120

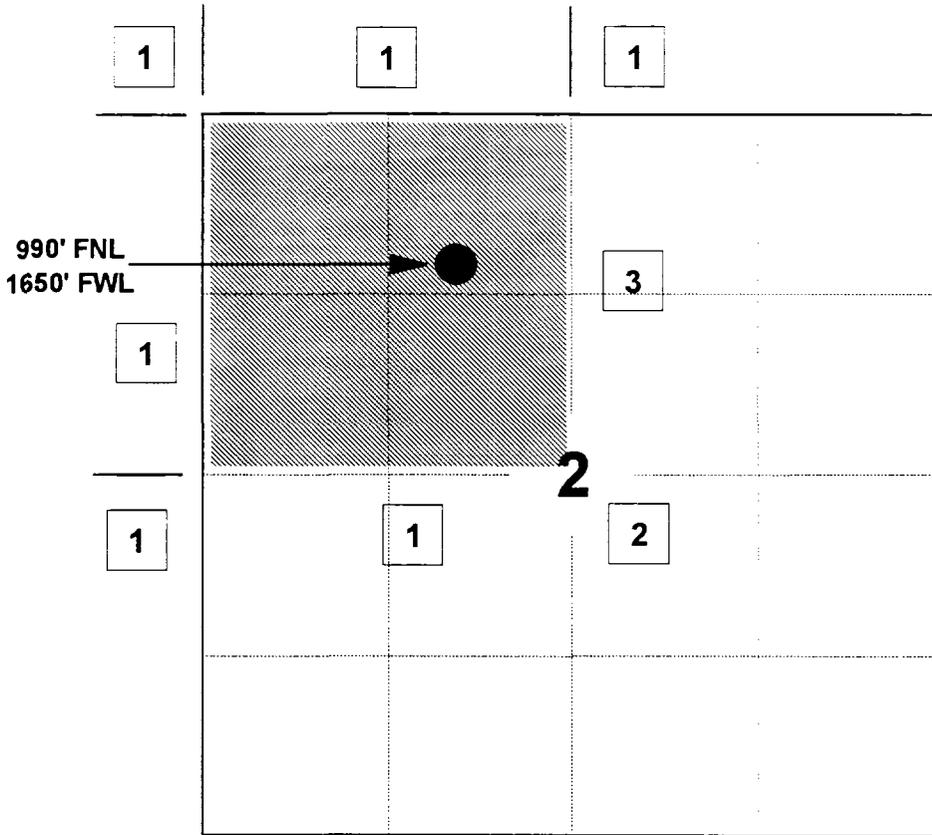
# MERIDIAN OIL INC

## MURPHY A COM A #2

### OFFSET OPERATOR \ OWNER PLAT

#### Fruitland Coal / Pictured Cliffs Commingle Well

Township 29 North, Range 11 West



1) Meridian Oil Inc

2) Meridian Oil Inc &

Sunland Oil Company

6200 Desert Moon Loop, Tucson, AZ 85715

3) Meridian Oil Inc &

Petroleum Distributors

PO Box 1157, Littleton, CO 80120