



**High Angle/Horizontal Drilling
Pilot Project
Moore #5R Well
Blanco Mesaverde Pool
San Juan County, New Mexico**

Amoco Production Company



Southern

Rockies

Business

Unit

July 12, 1994

Mr. William J. LeMay, Director
New Mexico Oil Conservation Division
310 Old Santa Fe Trail
Santa Fe, NM 87501

**Application of Amoco Production Company
For A High Angle/Horizontal Directional Drilling Pilot
Project Area And Special Operating Rules Therefore,
San Juan County, New Mexico**

AMOCO PRODUCTION COMPANY ("Amoco") hereby makes application for approval of a high angle/horizontal directional drilling pilot project area and special operating rules therefore. In support of this application, Amoco states the following:

1. Amoco is the operator of the Mesaverde formation, Blanco-Mesaverde Pool, underlying the S/2 of Section 9, Township 30 North, Range 8 West, N.M.P.M., San Juan County, New Mexico, hereinafter referred to as the "Project Area."
2. Within the Project Area, Amoco seeks authority to:
 - (a) reenter its Moore No. 5 located at a surface location 990 feet from the South line and 1805 feet from the West line (Unit N) of Section 9, Township 30 North, Range 8 West;
 - (b) use medium-radius drilling techniques to drill a high angle/horizontal well in the Mesaverde formation in a direction and lateral distance to be determined by Amoco;
 - (c) traverse quarter-quarter section lines within the Project Area by its proposed wellbore; and
 - (d) drill the proposed horizontal wellbore to within 790 feet of the outer boundary of the Project Area.

Mr. William J. LeMay, Director

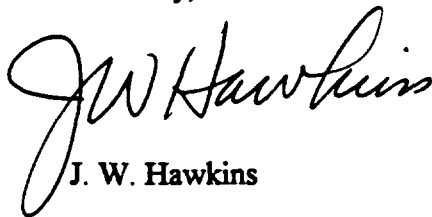
July 12, 1994

Page 2

3. Horizontal drilling within the Project Area should result in the recovery of significant volumes of oil and gas which was not recovered by the existing conventional vertical wellbores, thereby preventing waste.
4. Approval of this application will otherwise be in the best interest of conservation, the prevention of waste and the protection of correlative rights.

Amoco Production Company requests that this application be set for hearing before a duly appointed Examiner of the Oil Conservation Division on August 4, 1994. A copy of this application will be sent to each of the operators of spacing units offsetting the Project Area by certified mail.

Sincerely,

A handwritten signature in cursive script, reading "J. W. Hawkins". The signature is written in black ink and is positioned above the printed name.

J. W. Hawkins

CASE _____ : Application of Amoco Production Company for a high angle/horizontal directional drilling pilot project area and special operating rules therefore, San Juan County, New Mexico. Applicant seeks authority to institute a horizontal directional drilling project in the Blanco-Mesaverde Pool in the S/2 of Section 9, Township 30 North, Range 8 West. Applicant proposes to reenter its Moore No. 5 well at a surface location 990 feet from the South line and 1805 feet from West line (Unit N); kicking off the vertical, build angle a medium radius curve and continue drilling in said pool. Applicant further seeks special rules and provisions within the project area including authorization to cross quarter and quarter-quarter section lines and the designation of a prescribed area for the wellbore limiting the horizontal displacement of any drainhole to within 790' of the boundary of the project area. Said project is located approximately _____ miles _____ of _____, New Mexico.

Amoco Production Company

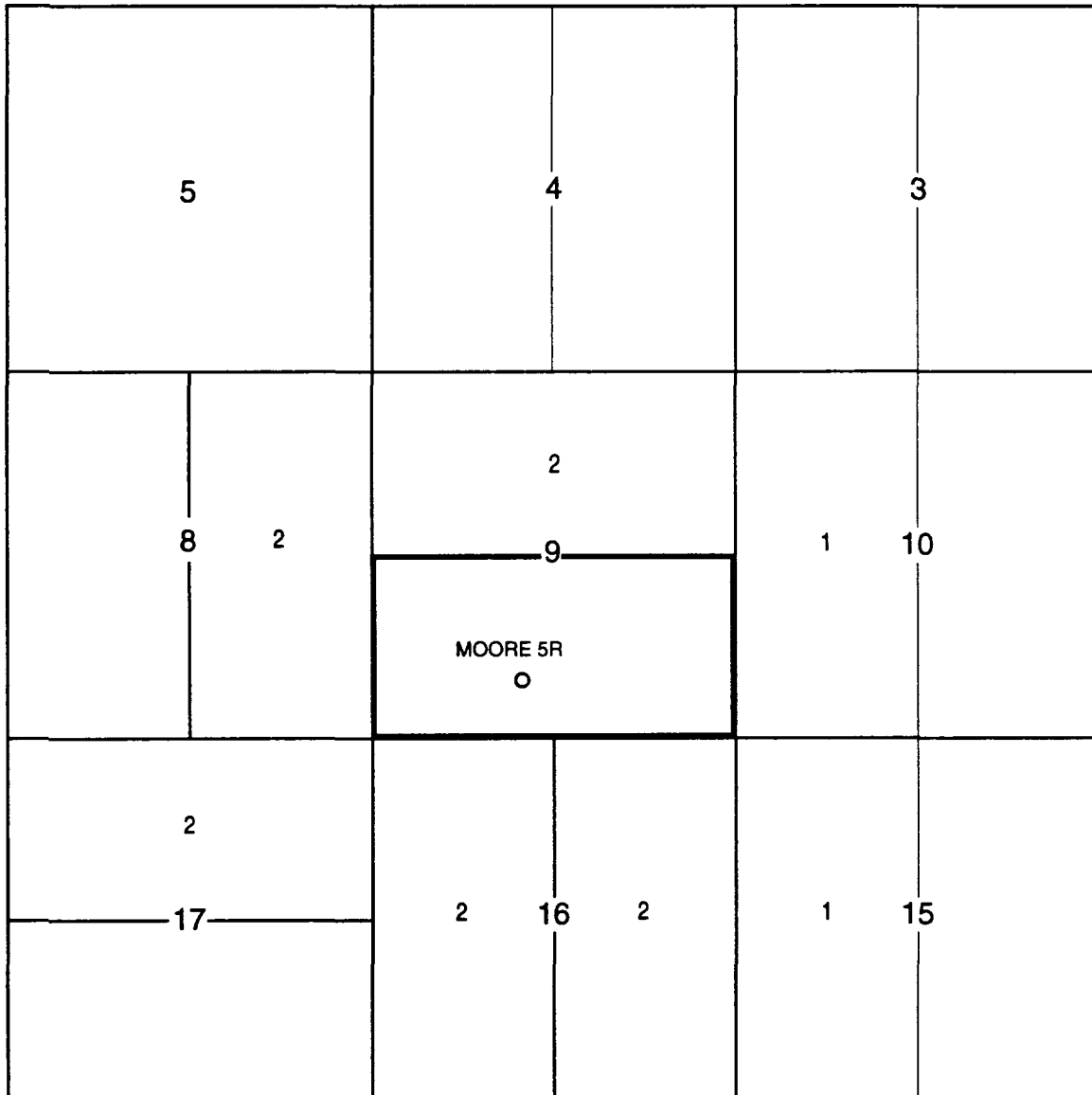
Offset Operator Plat

Moore 5R

T30N-R8W, Sec.

990 FSL & 1805 FWL

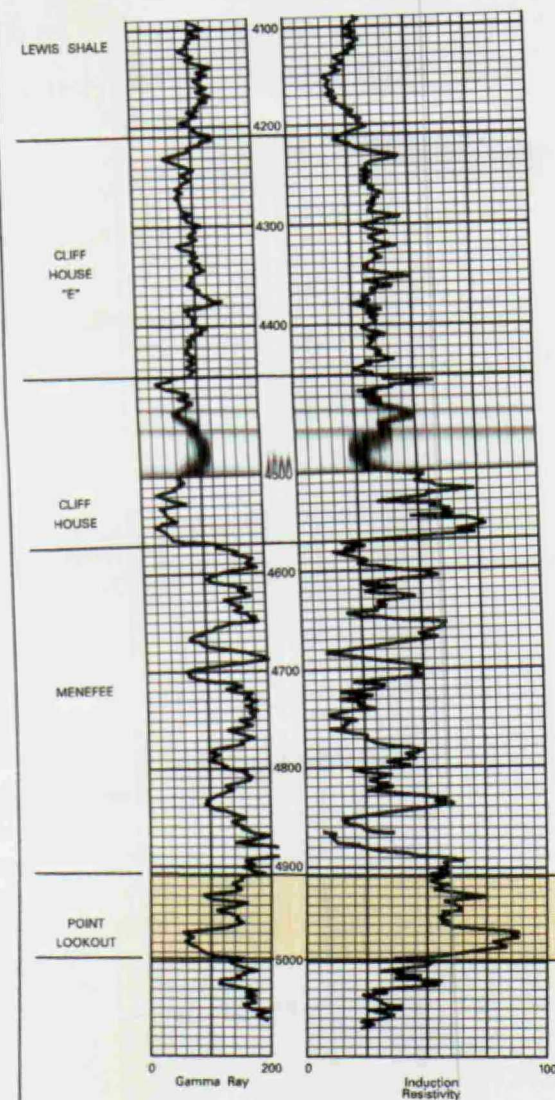
Blanco Mesaverde Formation



1 Amoco Production Company

2 Meridian Oil, Inc.

Delhi-Taylor Corp.
Moore #5
(990 FSL, 1805 FWL) SW/4 Sec. 9, T30N, R8W
San Juan County, New Mexico
KB: 5889



9 1/2" Casing Set @ 3115'

KOP @ 4574' TVD Begin 14" 100' build

400' Radius

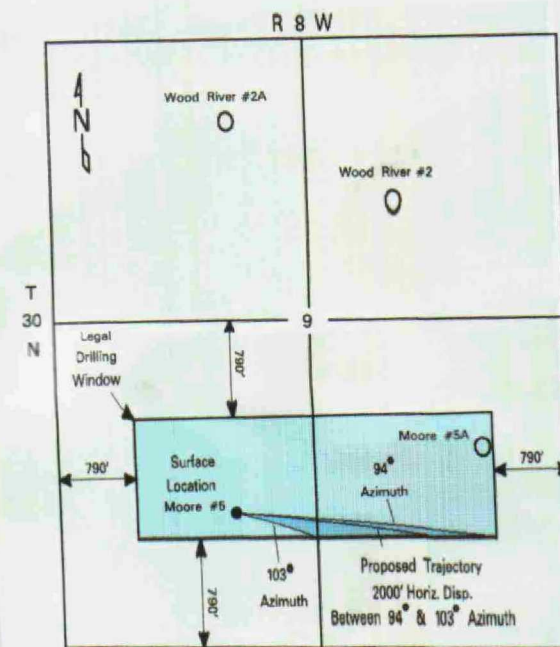
Vertical Depth



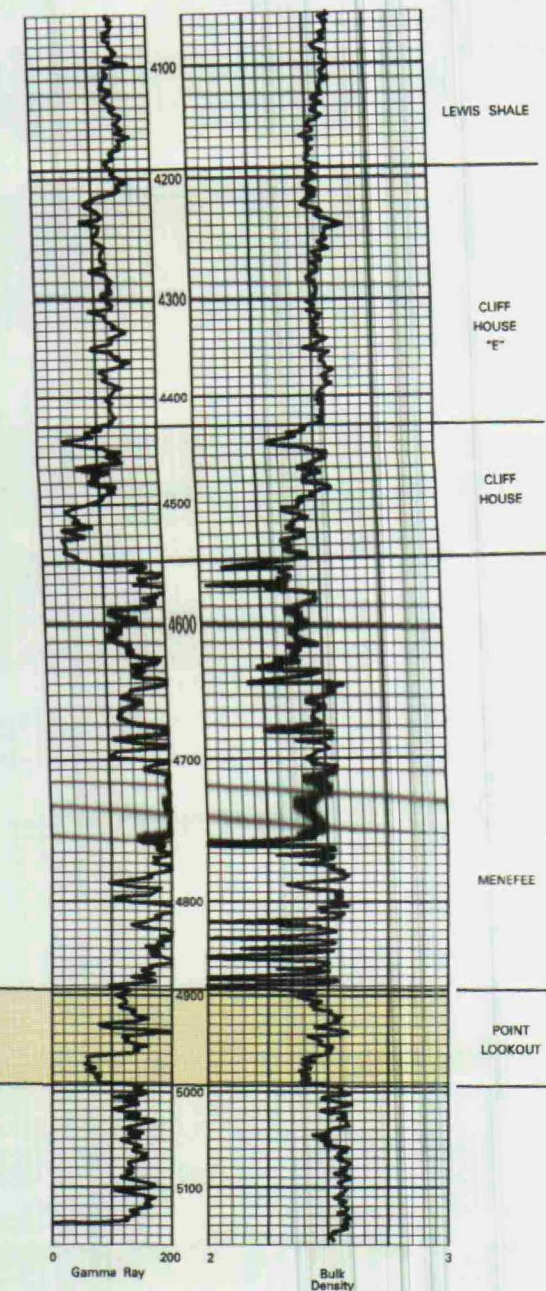
End of Curve @ 4974' TVD, 5217' MD @ 90° Inclination

Horizontal Displacement

End of Curve @ 4974' TVD, 5817' MD @ 90° Inclination
Option to go further within Drilling Window



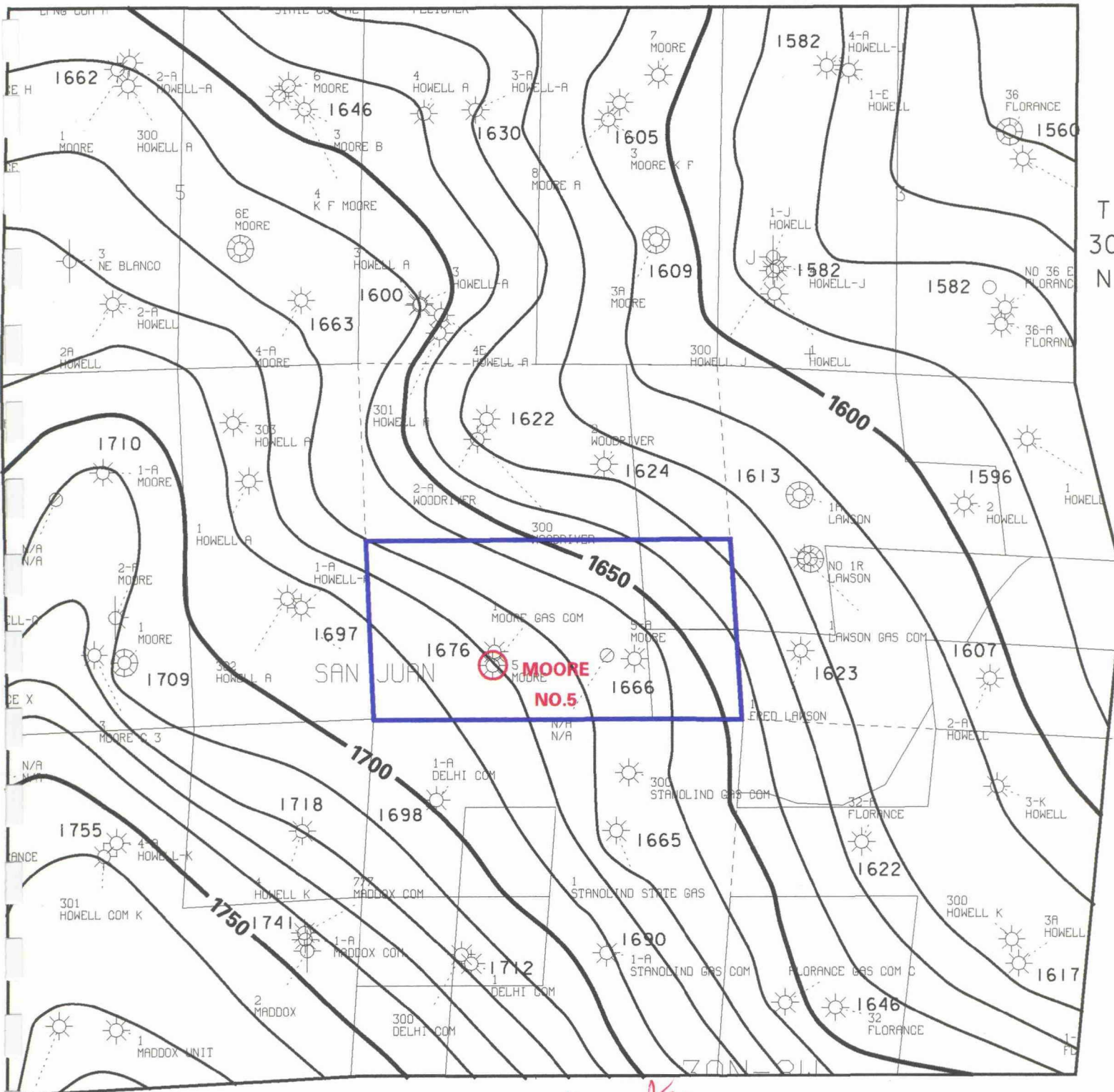
Tenneco
Moore #5-A
(890 FSL, 1515 FWL) SE/4 Sec. 9, T30N, R8W
San Juan County, New Mexico
KB: 5877



Amoco Production Company
NMOCD Case 11052
August 4, 1994
Exhibit #2

R 8 W

T 30 N

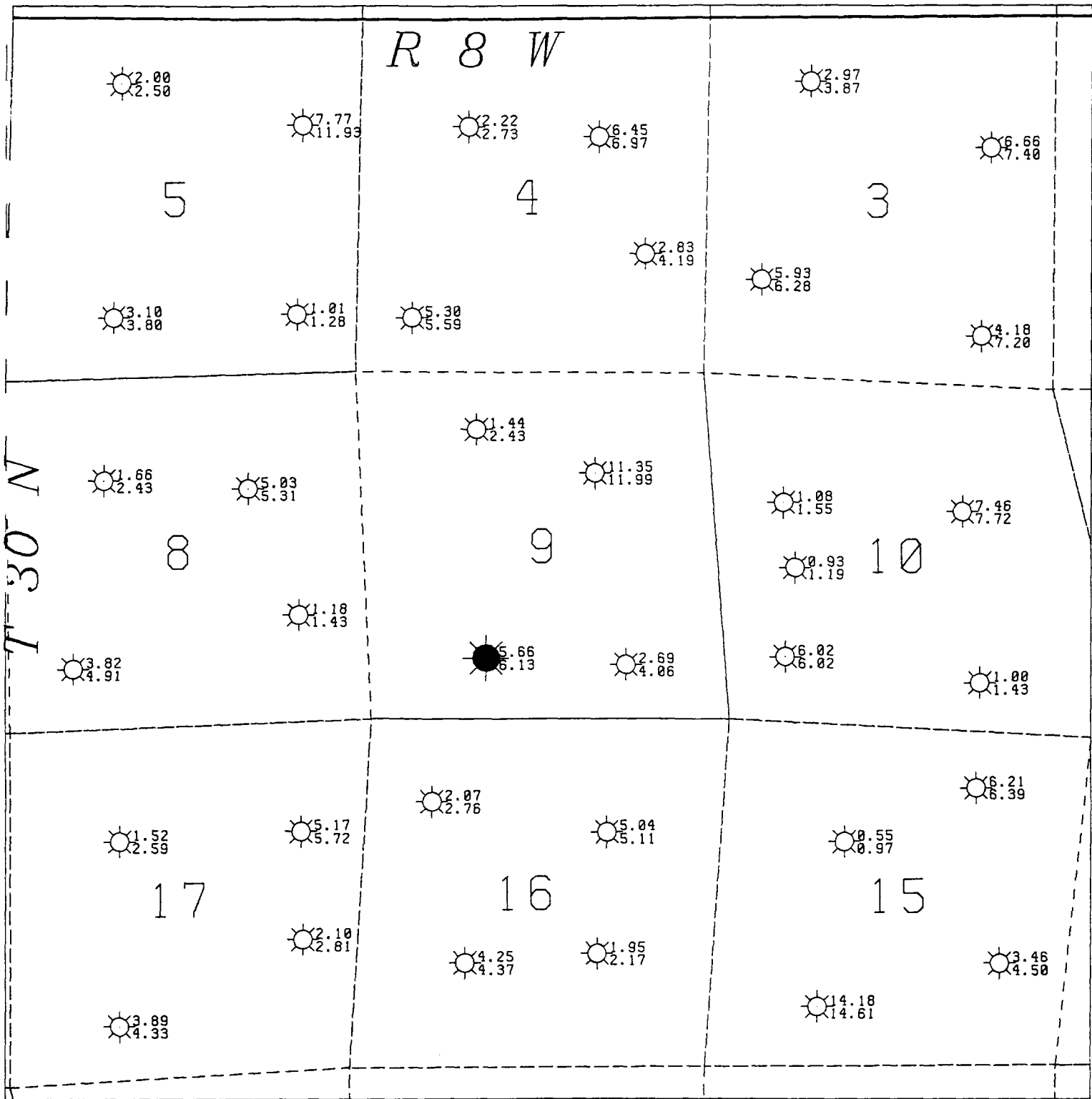


*Standard
640-acre Section*



AMOCO PRODUCTION COMPANY
NMOCD CASE 11052
AUGUST 4, 1994
EXHIBIT #3

MOORE NO. 5 AREA
SAN JUAN COUNTY, NEW MEXICO
CLIFF HOUSE "E" STRUCTURE
C. I. = 10'



AMOCO PRODUCTION CO.
SOUTHERN ROCKIES BUSINESS UNIT

NMOCD CASE 11052
EXHIBIT # 4
MOORE NO 5
T 30 N, R 8 W, SEC 9, SESW
SAN JUAN COUNTY, NEW MEXICO