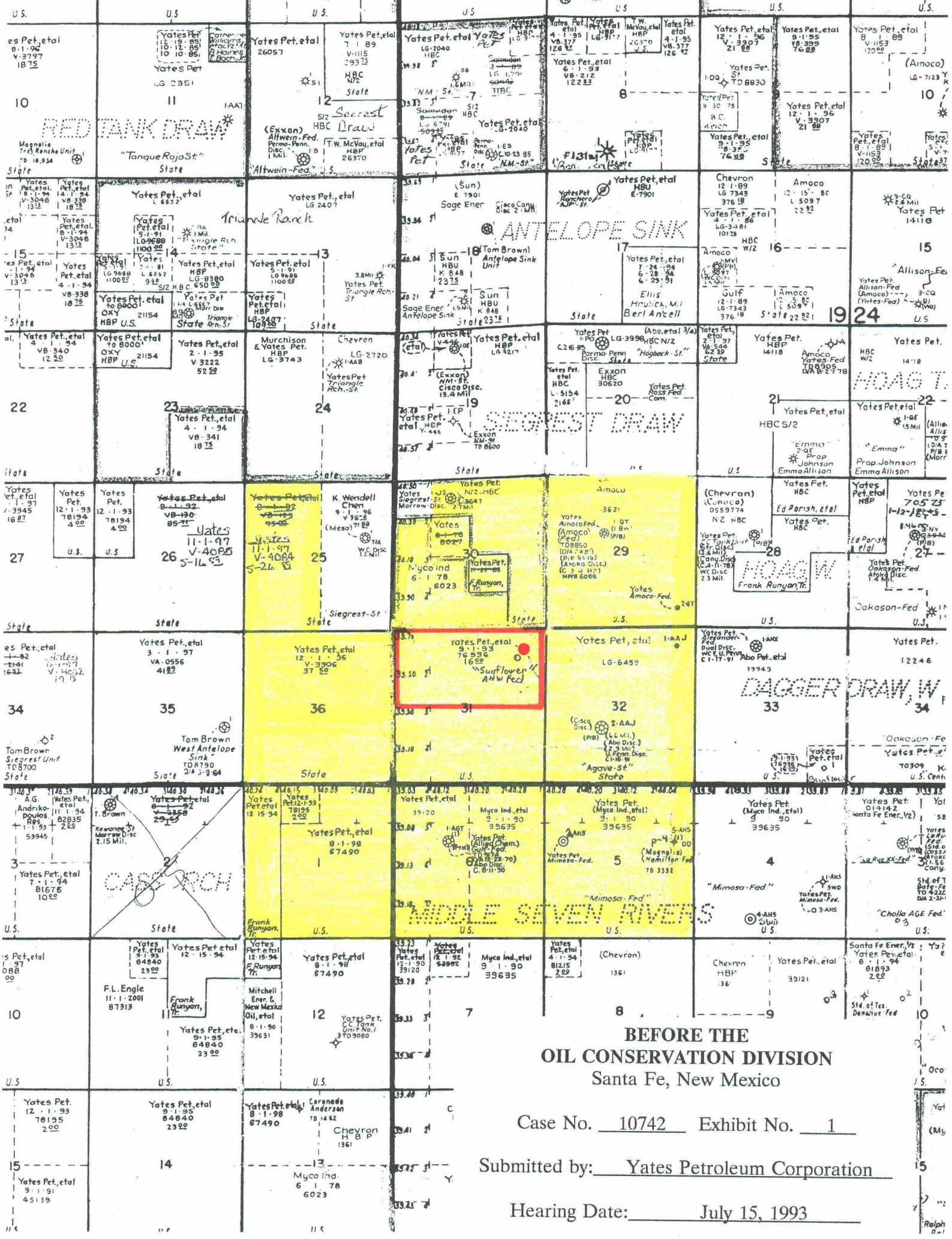
Exhibits 1 through 4
Complete Set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Secrest Draw
Triangle Ranch
ANTELOPE SINK
SECRET DRAW
HOAG T.
HOAG W.
Frank Runyan, Tr.
DAGGER DRAW, W.
MIDDLE SEVEN RIVERS
CAB RANCH
Yates Pet., etal
Yates Pet.
Yates Pet., etal
Yates Pet., etal
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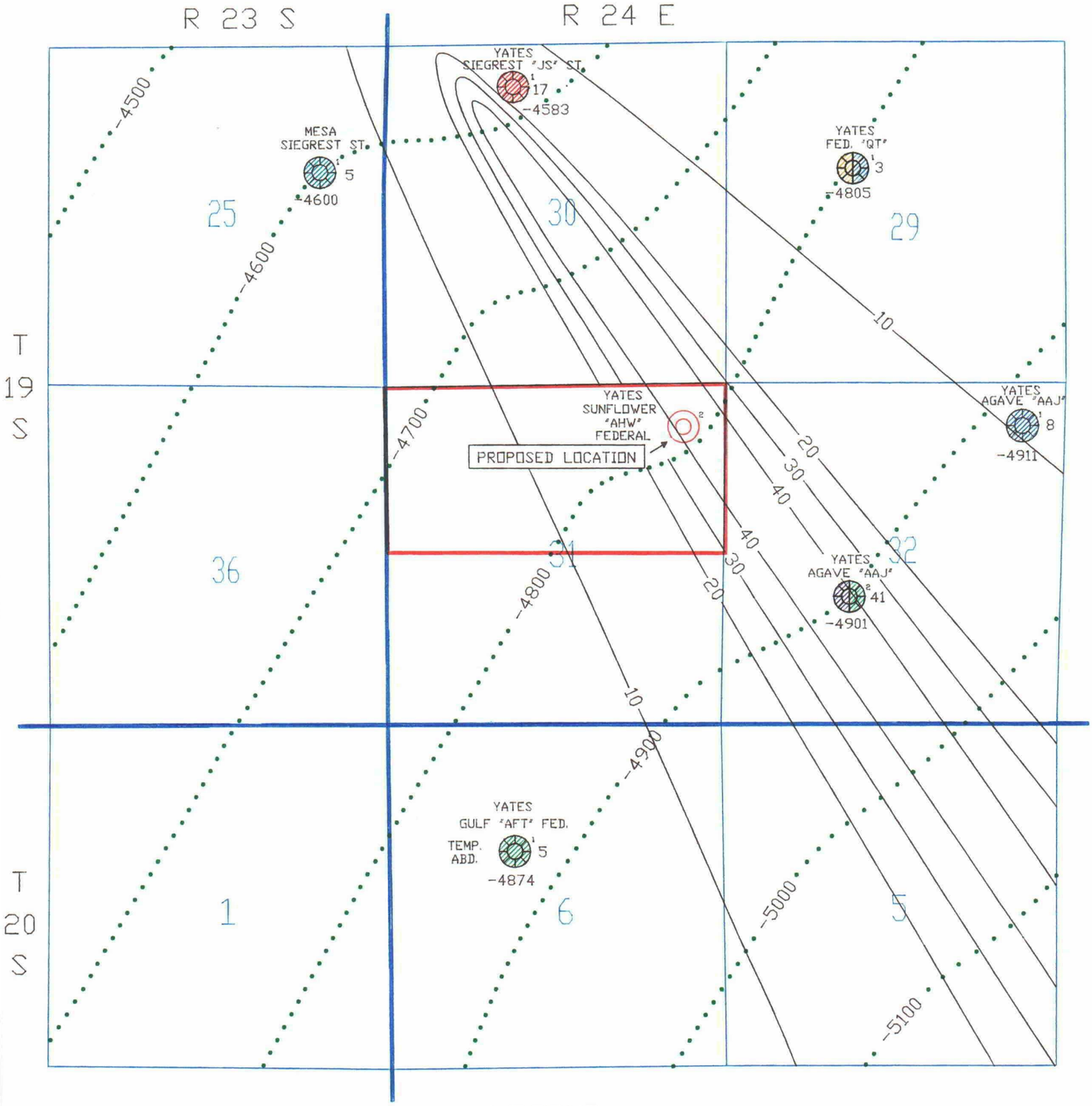


LEGEND

MORROW PENETRATIONS

41 ..... Feet of Clean Lower Morrow Sand, < 50 GR API Units

-4901 ..... Subsea Datum of Top of Lower Morrow

Lower Morrow Clastics Gas Producer

Atoka Gas Producer

Upper Penn Gas Producer

Permo - Penn Gas Producer

Wolfcamp Gas Producer

Abo Gas Producer

40 Isoliths of Clean Lower Morrow Clastics Sand: C.I. = 10 Ft.

-4900 Structure Contours of Top of Lower Morrow: C.I. = 100 Ft.

Scale: 1"=2000'

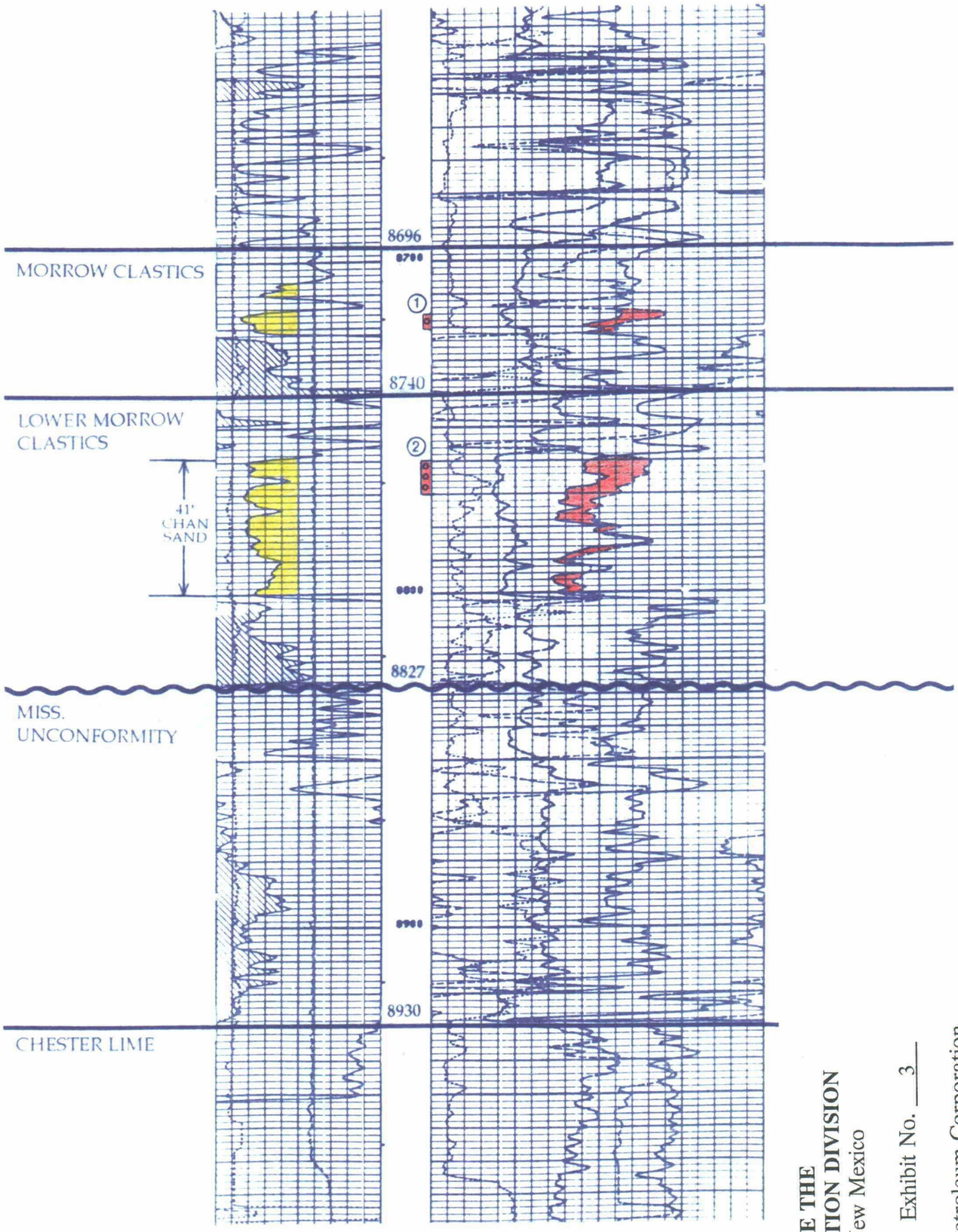
BEFORE THE
OIL CONSERVATION DIVISION
Santa Fe, New Mexico

Case No. 10742 Exhibit No. 2

Submitted by: Yates Petroleum Corporation

Hearing Date: July 15, 1993

YATES PETROLEUM CORP.
AGAVE "AAJ" STATE #2
1980' FSL & 1980' FWL
SECTION 32 19S-24E



1 PERF: 8716-21, A1000G
FLOW 35# ON 1/4" CK = 68 MCFPD
PB

2 PERF: 8760-70, A1000G, REC. LOAD
SWABBED 14 BBLS WATER PER HOUR
SET CIBP OVER MORROW
PB TO TEST UPHOLE ZONES THRU PIPE.

ULTIMATELY COMPLETED IN UPPER PENN & ABO
AS SMALL GAS WELL.

BEFORE THE
OIL CONSERVATION DIVISION
Santa Fe, New Mexico

Case No. 10742 Exhibit No. 3

Submitted by: Yates Petroleum Corporation

Hearing Date: July 15, 1993

Exhibit # 2 is a combined structure and sand isolith map. Dotted lines are structural contours on top of the Lower Morrow horizon with the contour interval being 100 feet. Solid lines are isolith contours showing the varying thickness of clean Lower Morrow Clastics sand in the area of these 9 contiguous sections. Clean is defined as sand with less than 50 gamma ray API units on the Neutron-Density log. Contour interval is 10 feet.

The proposed location is near the axis of a Lower Morrow Clastics sand "thick" extending from Southeast to Northwest. It may be seen that the well in Unit (C) of Section 30 has 17 feet of Lower Morrow sand. This Lower Morrow sand has produced in excess of 1.1 BCF of gas. It may also be noted that the well in Unit (K) of Section 32 has 41 feet of Lower Morrow sand; however, this Lower Morrow sand proved to be water wet by testing through perforations.

The map shows that the proposed location would have an adequate thickness of sand of over 40 feet and the map also shows that the proposed location would be in excess of 100 feet structurally high to the water-wet Lower Morrow channel sand found in the well in Unit (K) of Section 32.

Exhibit # 3 is an excerpt from the Neutron-Lithodensity log of the aforementioned well in Unit (K) of Section 32 which is, by name, the Yates Agave "AAJ" State #2. The excerpt includes the entire Morrow Clastics interval. Pertinent tops are labeled, perforations with accompanying notes are shown and clean sand is indicated by yellow coloring.

The previously mentioned 41 foot thick water-wet channel sand may be seen on the log. The proposed location is positioned geologically to encounter this channel sand body over 100 feet structurally high in the gas column.

In summary, the proposed location is geologically the best allowable location in the North half of Section 31, should recover the greatest amount of hydrocarbon product from the spacing unit and, thereby, prevent waste and protect correlative rights.

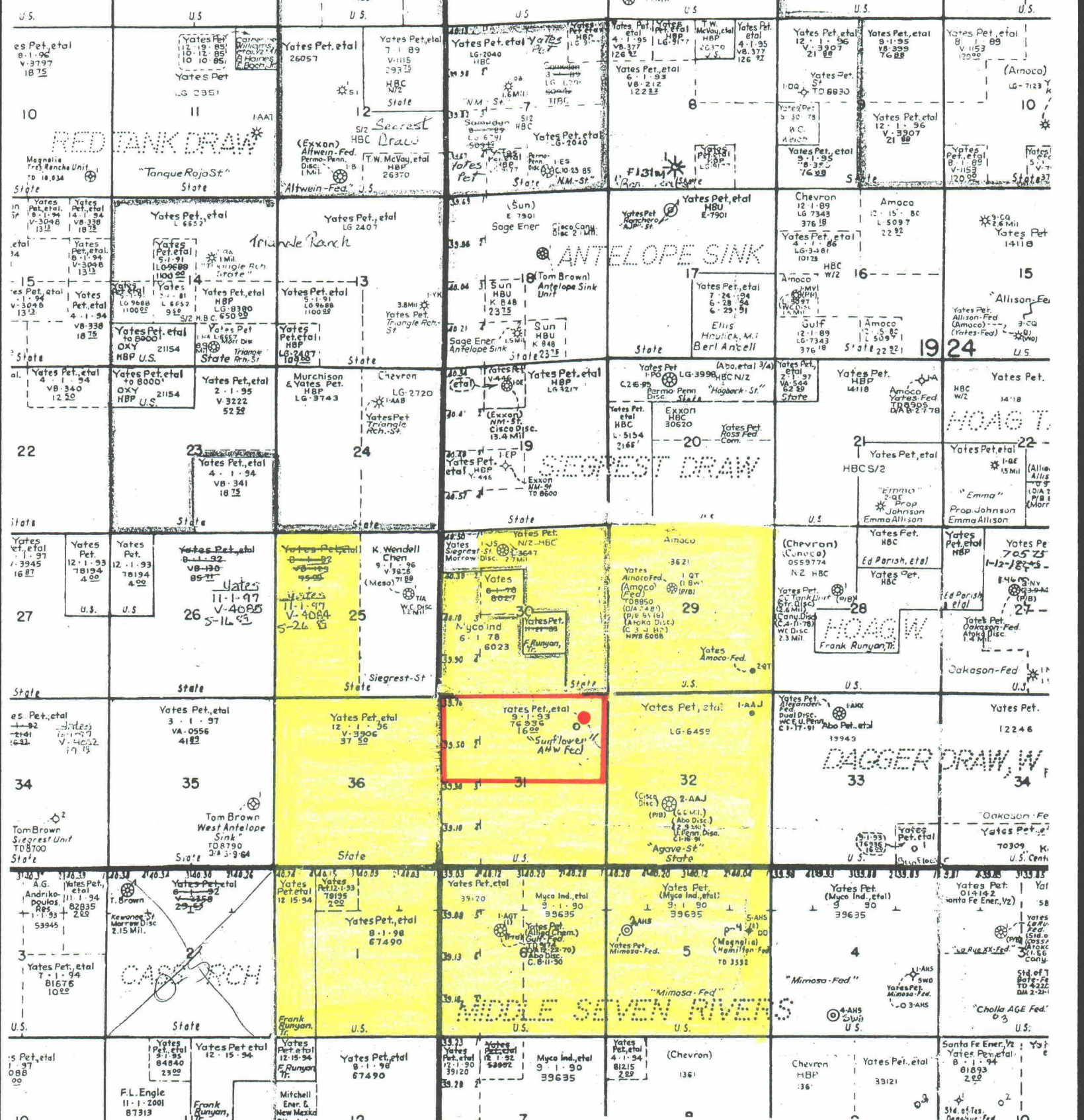
BEFORE THE
OIL CONSERVATION DIVISION
Santa Fe, New Mexico

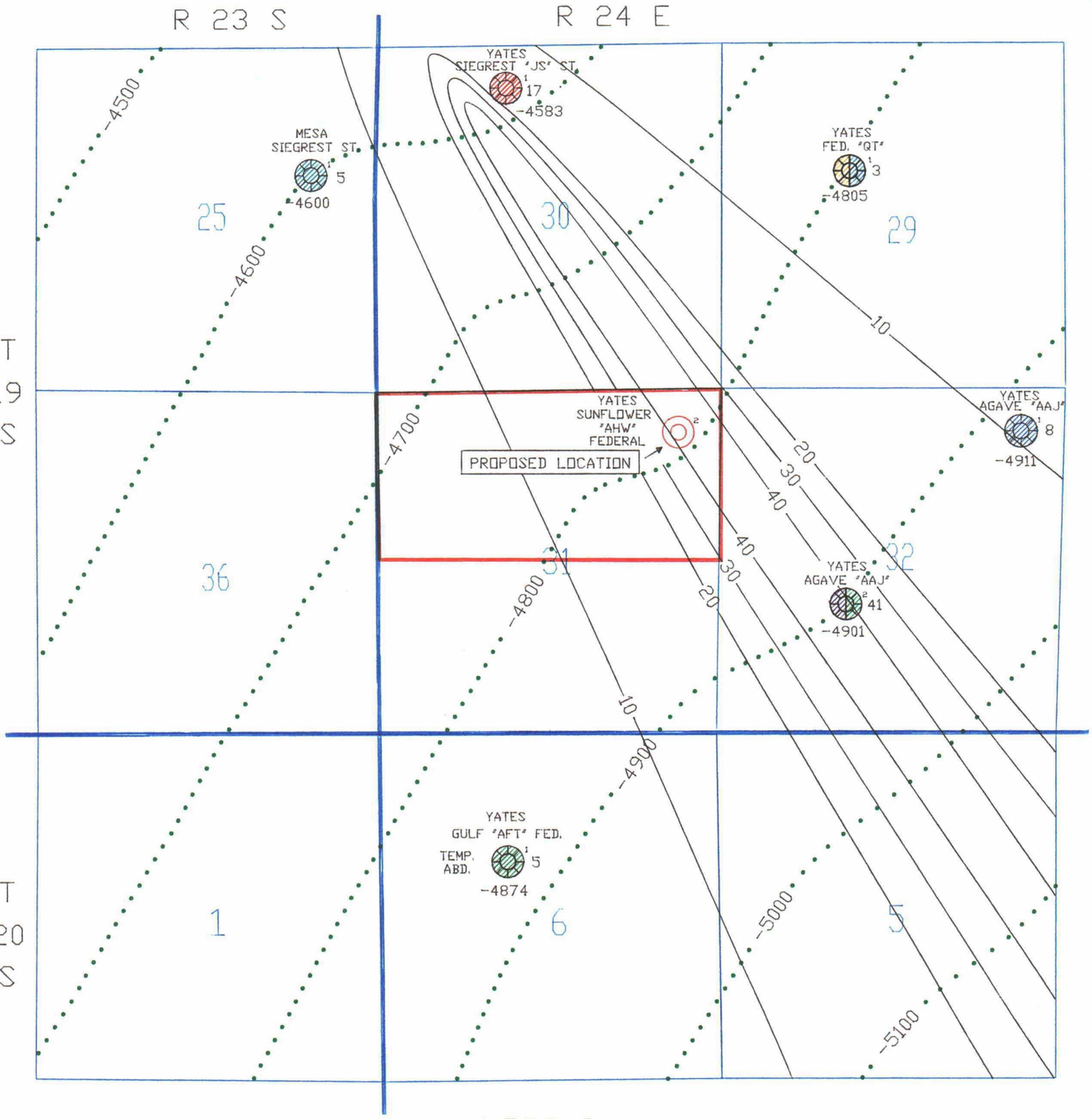
Case No. 10742 Exhibit No. 4

Submitted by: Yates Petroleum Corporation

Hearing Date: July 15, 1993

Exhibits 1 through 4


RED TANK DRAW
"Tanque Rojo St."
Triangle Ranch
ANTELOPE SINK
SEGREST DRAW
HOAG T.
HOAG W.
Frank Runyan, Tr.
DAGGER DRAW, W.
"Sunflower" AHW Fed
"Agave-St"
"Mimosa-Fed"
MIDDLE SEVEN RIVERS
CAGE RANCH
Yates Pet.
Yates Pet, etal
Yates Pet, etal
Yates Pet, etal



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Santa Fe, New Mexico

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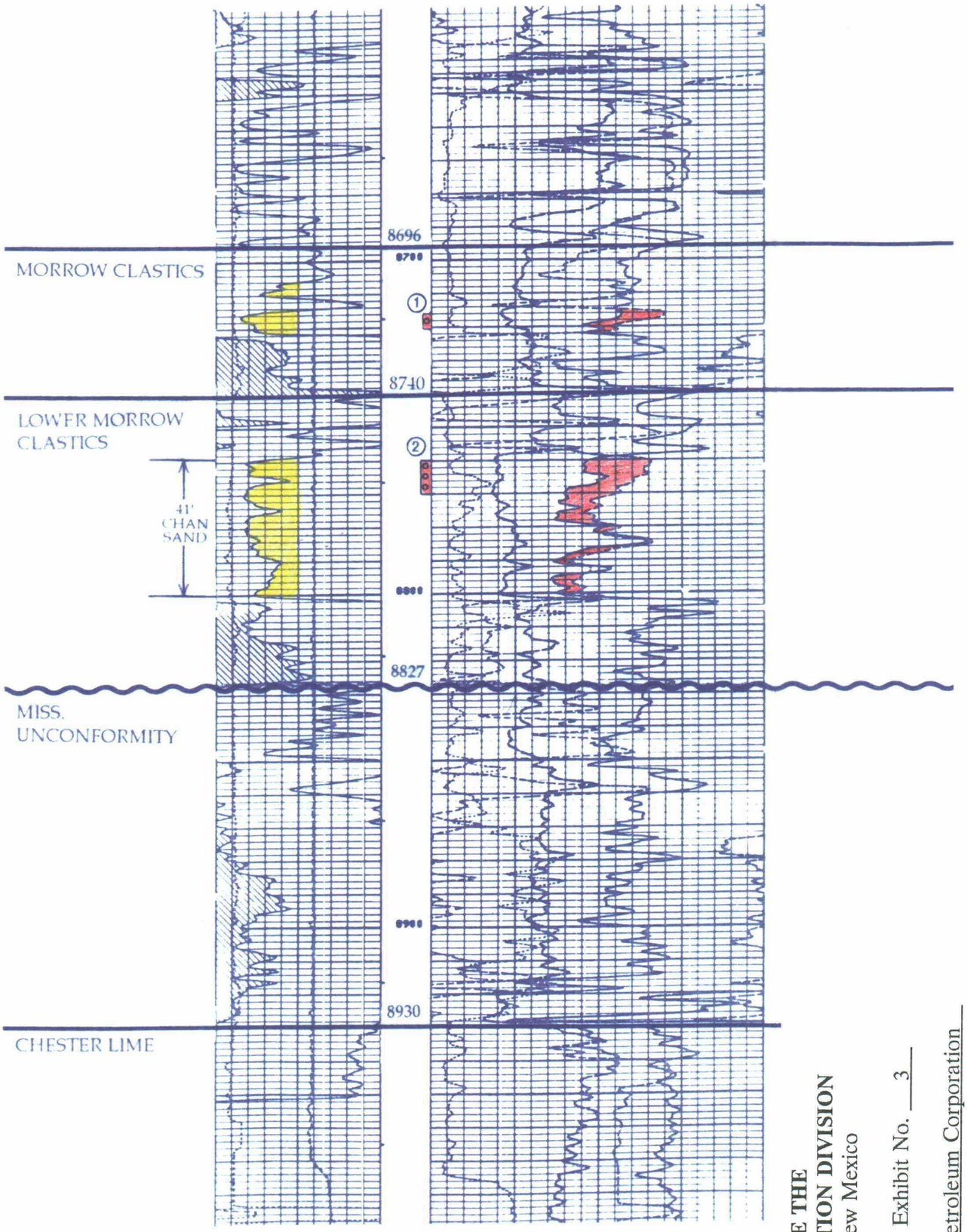

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