

Enron
HBP
19859

Enron
HBP
18640

Enron
HBP
30400
U.S. MI
Diamond E. Half (S)

Enron
18640
U.S. MI
Diamond E. Half (S)

Enron
HBP
30400
(HNG)

Meridian
Pitchfork

"Hallwood-Fed"
U.S.

BEFORE THE
OIL CONSERVATION DIVISION
Santa Fe, New Mexico

Case No. 11369 Exhibit No. 1

Submitted by: Enron Oil & Gas Company

Hearing Date: August 24, 1995

Enron
HBP
(Quinoco, et al)

Enron
14437

Enron
F285

Enron
8-1-83
18640
State

Enron
HBP
19625
"Red Hills 7-Fed."
U.S.

Enron
HBP
18640
U.S.

Enron
HBP
19625

Hill & Meeker
Muse-Fed.
TO 5457
DA 7-29-95
U.S.

Yates
Pet. et al
11-1-97
89825
9000
Dip

12

F190

(Quinoco) Enron
30400
F777
"Hallwood-Fed"
State U.S. MI

Enron
F327
"Half-Fed."

Enron
HBP
19625
"Red Hills 7-Fed."
U.S.

Enron
HBP
18640
U.S. MI
State

Enron
HBP
19625

Enron
19623
F425
F422

Amoco
Fed
TO 5400
DA 12-22-81

Enron
HBP
24490

Enron
3-1-85
24490

"Diamond
Fed"
U.S. M.I.
Diamond
E. Half
Inc. (S)

D. E. Gonzales
12-1-2004
94108
30000

U.S. M.I.
Diamond
E. Half, Inc. (S)

Stone Pet.
Javelina
TO 15,825
(Morr. Disc)
(1.3 Mil.)
Atoka Disc.

"Vaca-Fed."

"Diamond-Fed"
U.S.

U.S. MI
U.C. Head

PITCHFORK
U.S.

Enron
24490

Enron
HBP
24490

Enron
HBP
24490
Ashmun &
Hilliard No. 5 Ltd.
Fed.
TO 5350
DA 11-16-82

Enron
3-1-85
24490

D. Gonzales
94625
51000

D. Gonzales
94625
51000

24

19

U.S. M.I.
Diamond
E. Half
Inc. (S)

U.S. M.I.
Diamond
E. Half
Inc. (S)

20

D. E. Gonzales
12-1-2004
94109
17900

U.S.

U.S., MI
State, S

U.S.

U.S.

Yates, Pet. et al
84895
1200

Amerada
12-1-2004
94101
10500

-25

Amerada
12-1-2004
94101
10500

Enron
HBP
24490

Yates, Pet. et al
10-1-99
V-4481
9393

30

Yates, Pet. et al
3-1-99
V-4320
1563

Enron
94115
33000

29

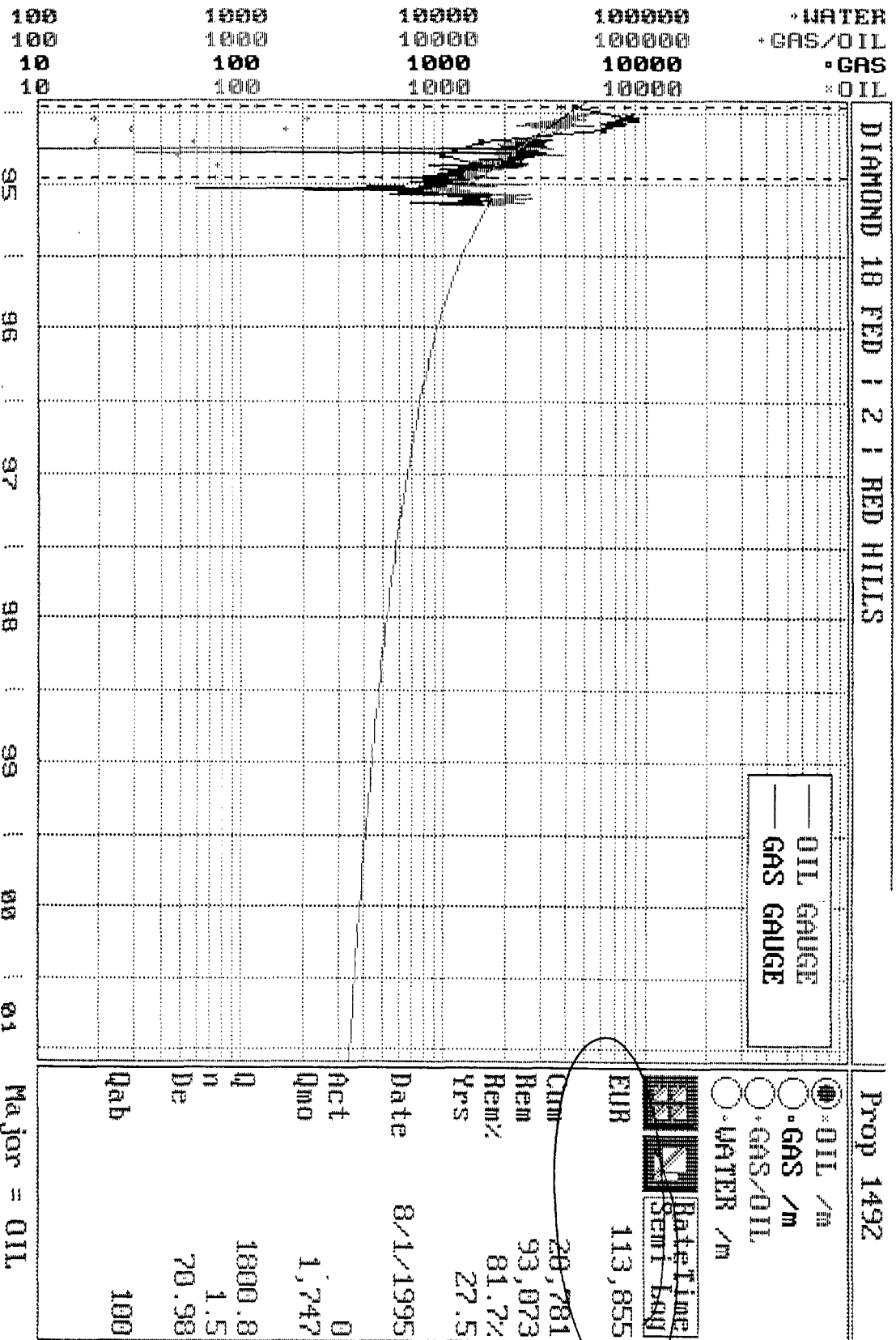
LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE

BEFORE THE
OIL CONSERVATION DIVISION
Santa Fe, New Mexico

Case No. 11369 Exhibit No. 4

Submitted by: Enron Oil & Gas Company

Hearing Date: August 24, 1995

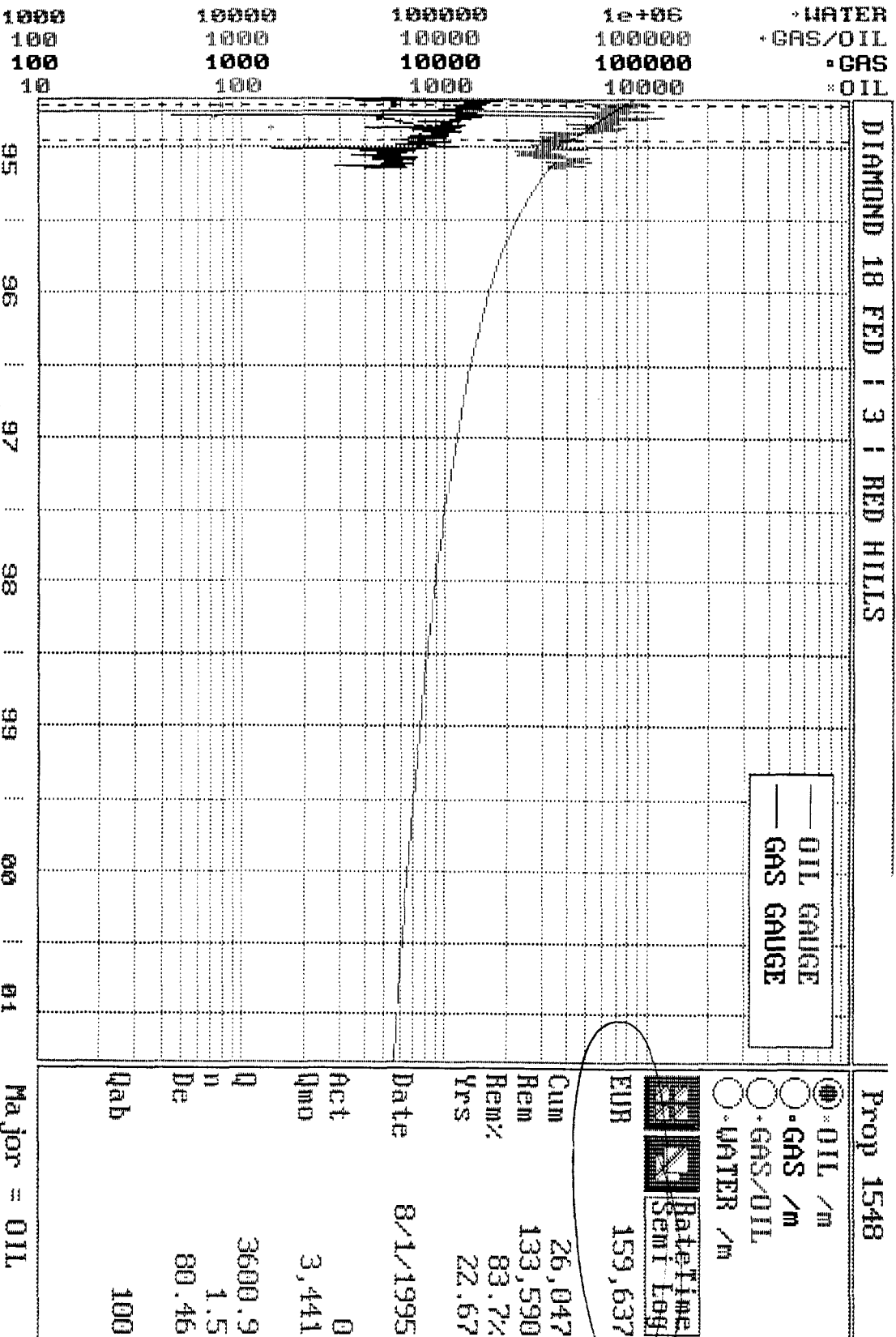


BEFORE THE
OIL CONSERVATION DIVISION
Santa Fe, New Mexico

Case No. 11369 Exhibit No. 5

Submitted by: Enron Oil & Gas Company

Hearing Date: August 24, 1995



ENRON OIL & GAS COMPANY
Unorthodox Location Hearing
Diamond "18" Federal No. 6
Red Hills (Bone Spring) Field

Reservoir Data

Avg. Porosity - 12%

Avg. Oil Saturation - 60%

Formation Volume Factor - 1.80

Recovery Factor - 15%

BO/ac-ft. Recoverable - 46.55

Decline Type - Hyperbolic

Calculation of Drainage Radii

Well	Decline EUR (MBO)	Pay ft. (> 9% Ø)	Drainage Acres	Drainage Radii
Diamond "18" Fed. No. 2	113.9	73	33.5	682'
Diamond "18" Fed. No. 3	159.6	65	52.7	855'
Diamond "18" Fed. No. 1	est. 169.3	69	est. 52.7	855'
Diamond "18" Fed. No. 6	est. 134.9	est. 55	est. 52.7	855'

Relevant Factors

- This part of the field has lower permeability than other areas in the field based on sustained producing rates and calculated drainage areas.
- Diamond "18" Fed. Nos. 1 and 6 are estimated to drain the same area as the Diamond "18" Fed. No. 3.

Conclusion

- The Diamond "18" Fed. No. 6 Unorthodox location is not expected to share reserves from offset producers.
- The well is needed to effectively develop and produce reserves in its assigned spacing unit.

**BEFORE THE
OIL CONSERVATION DIVISION**
Santa Fe, New Mexico

Case No. 11369 Exhibit No. 6

Submitted by: Enron Oil & Gas Company

Hearing Date: August 24, 1995