

**NMOCD
UNORTHODOX LOCATION HEARING
ANADARKO, POWERS FEDERAL NO. 2**

**ENRON OIL & GAS COMPANY
CEDAR LAKE "35" FEDERAL NO. 1**

Well Production and Pressure Data

<u>MO-YR</u>	<u>MCF</u>	<u>BO</u>	<u>CUMULATIVE MCF</u>	<u>CUMULATIVE BO</u>
06-92	32,619	1,172	32,619	1,172
07-92	7,854	321	40,473	1,493
08-92	47,579	1,939	88,052	3,432
09-92	63,093	2,637	151,145	6,069
10-92	133,663	6,837	284,808	12,906
11-92	325,509	18,546	610,317	31,452
12-92	383,708	19,245	994,025	50,697
01-93	404,882	19,462	1,398,907	70,159
02-93	395,891	18,762	1,794,798	88,921
03-93	538,017	23,055	2,332,815	111,976
04-93	517,970	19,942	2,850,785	131,918
05-93 (e)	472,366	16,137	3,323,151	148,055

<u>DATE</u>	<u>SITP</u>	<u>BHP</u>	<u>Z</u>	<u>P/Z</u>	<u>MMCF</u>
06-09-92	3,579	5,092	0.980	5,194	0
12-10-92	3,233	4,614	0.935	4,935	734
05-08-93	2,466	3,611	0.850	4,248	2,976

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

Case No. 10719 Exhibit No. 6

Submitted by: Enron Oil & Gas Company

Hearing Date: June 17, 1993

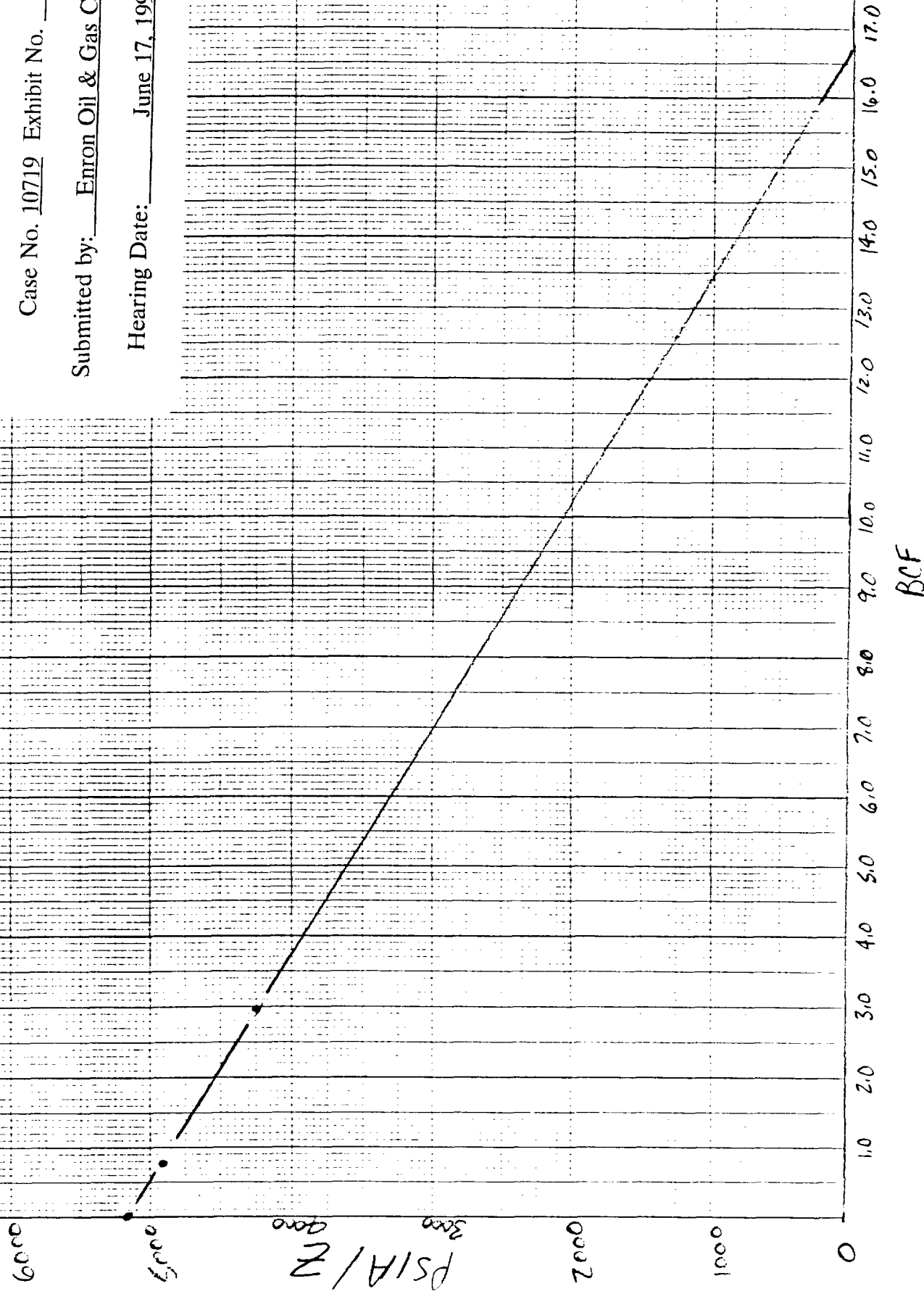
E06, CEDAR LAKE '35' FEDERAL No. 1

BEFORE THE
OIL CONSERVATION DIVISION
Santa Fe, New Mexico

Case No. 10719 Exhibit No. 7

Submitted by: Enron Oil & Gas Company

Hearing Date: June 17, 1993



**UNORTHODOX LOCATION HEARING
ANADARKO, POWER FEDERAL NO. 2
660' FSL & 660' FEL BHL, SECTION 26-17S-30E
EDDY COUNTY, NEW MEXICO**

**ENRON OIL & GAS COMPANY TESTIMONY OF THE LOWER MORROW
"ARNOLD" SAND RESERVOIR SIZE AND POWER FEDERAL NO. 2
ALLOWABLE PRODUCTION PENALTY**

"Arnold" Sand Planimeter Results:

	ACRES	AC-FT
Total Reservoir	532.9	17,677
SE/4 of Section 26	74.3	2,215
North Portion of Section 35	345.3	12,793

Volumetric Calculation:

$$\text{Porosity} - 10\% \quad \text{SW} = 25\% \quad \text{Bgi} = \frac{5,090 \times 520}{15.02 \times 0.98 \times 631} = 285$$

$$\text{OGIP MCF/ac-ft} = 43.56 \times .10 \times .75 \times 285 = 931.1 \text{ MCF/ac-ft}$$

$$\text{OGIP of Planimetered Volume} = 931.1 \text{ MCF/ac-ft} \times 17,677 \text{ ac-ft} = 16,458,966 \text{ MCF}$$

$$\text{OGIP by P/z vs Production Plot} = 16,700,000 \text{ MCF}$$

The "Arnold" sand map accurately depicts the reservoir size and extent.

Power Federal Penalty Assessment Determination:

SE/4 of Section 26 Versus:	By Acres	By Ac-Ft
Total Reservoir	13.94%	12.53%
North Portion of Section 35	17.71%	14.76%

Encroachment to Lease Line = $660/1,980 = 33.33\%$ should only be considered if full 160 acres in SE/4 of Sec. 26 is reasonably productive. The well in the NW/4 of SE/4 precludes this formula from being considered.

Penalty Recommendation - Power Federal No. 2 be restricted to no more than 15% of monthly deliverability to be witnessed at least once every three months and at EOG's request. A daily production limit of 2,550 MCF would be easiest to enforce and also provide Anadarko, et al, an economic producing rate. In addition to the penalty, EOG should receive a copy of the directional survey verifying the Bottom Hole Location.

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

Case Nos. 10719 Exhibit No. 8

Submitted by: Enron Oil & Gas Company

Hearing Date: June 17, 1993

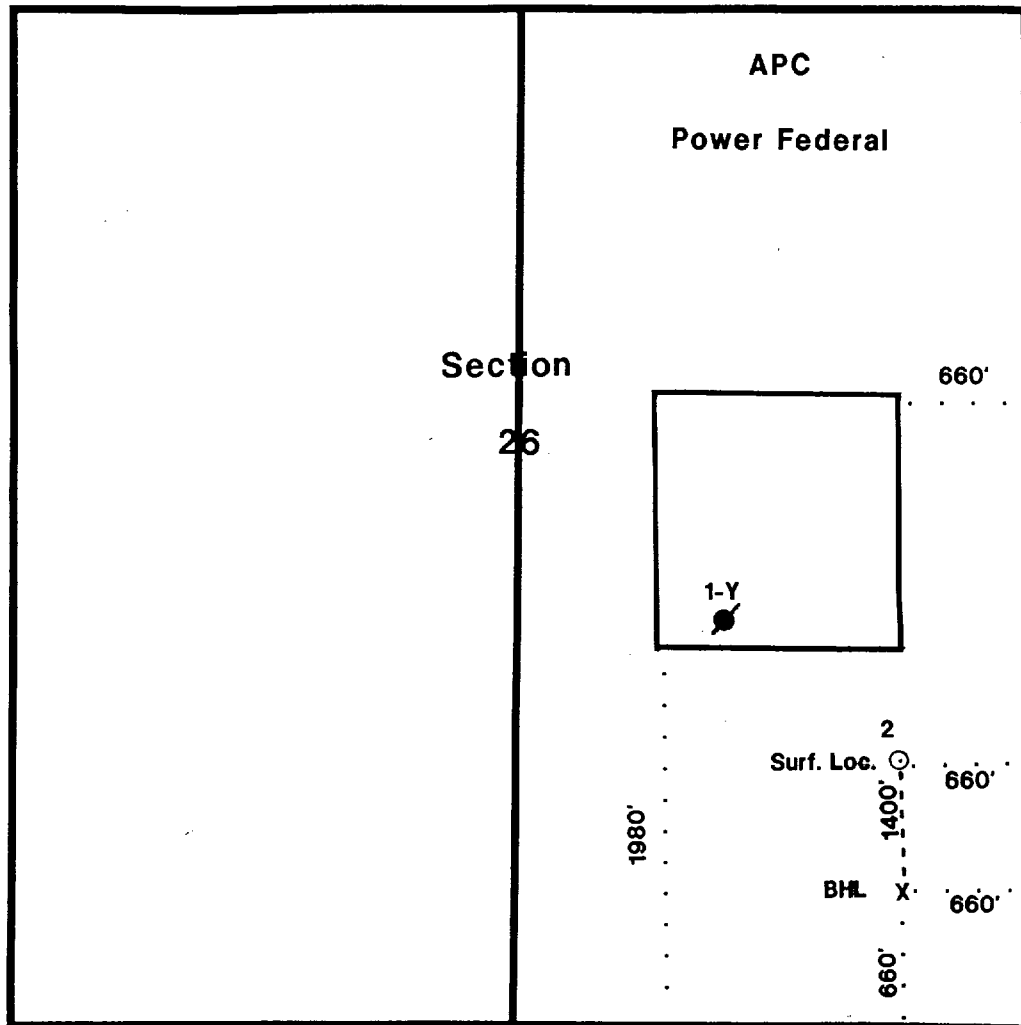


ANADARKO PETROLEUM CORPORATION

Power Federal No. 2 Location

T17S - R30E

Cedar Lake Morrow Field
Eddy County, New Mexico



1"=1000'

ENGINEER EXAMINER CATANACH

OIL CONSERVATION DIVISION

Anadarko EXHIBIT NO. 2

DATE: 10/7/9

Anadarko Petroleum Corporation

Power Federal Com. No. 2

Vertical Section

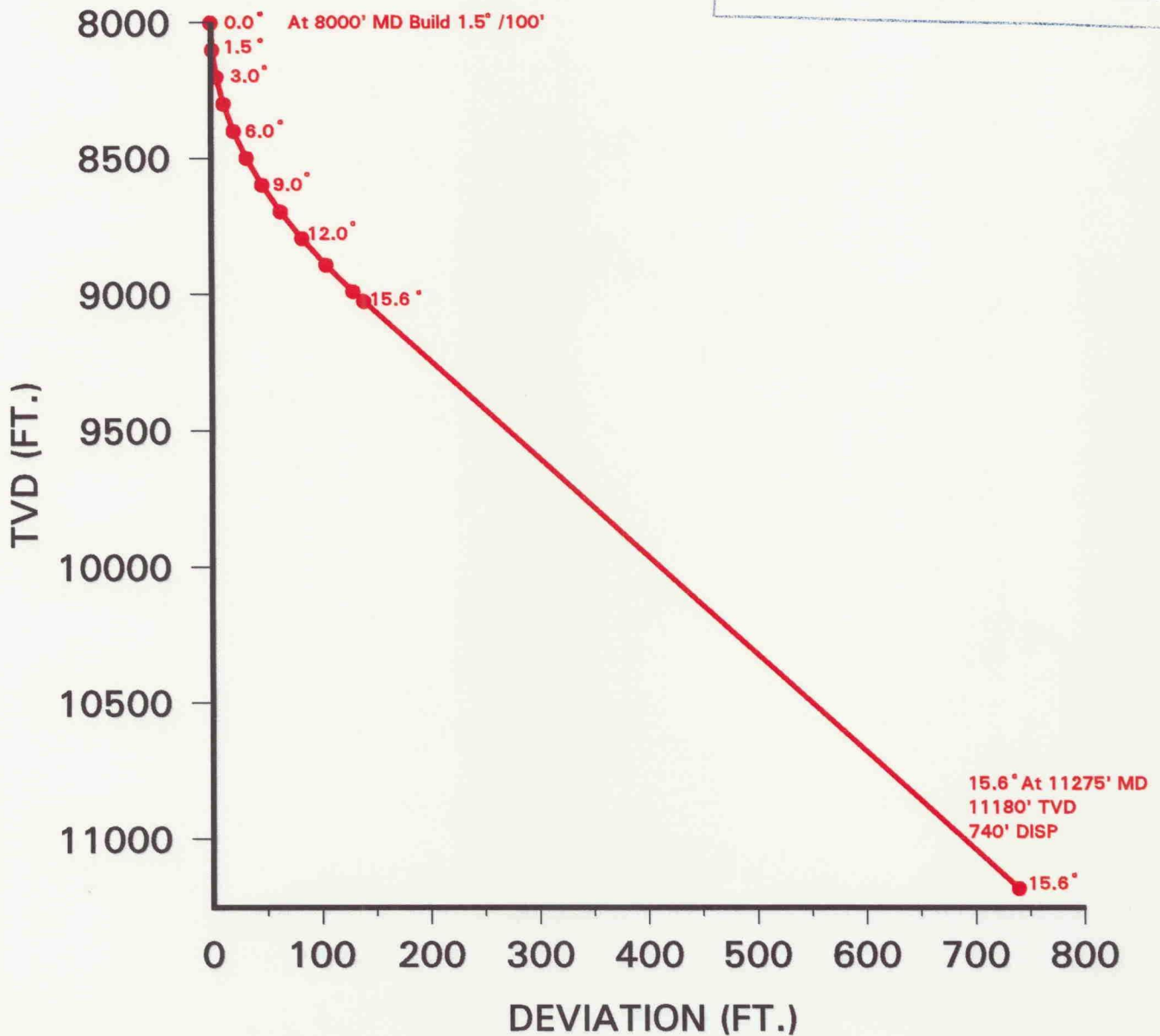


BEFORE EXAMINER CATANACH

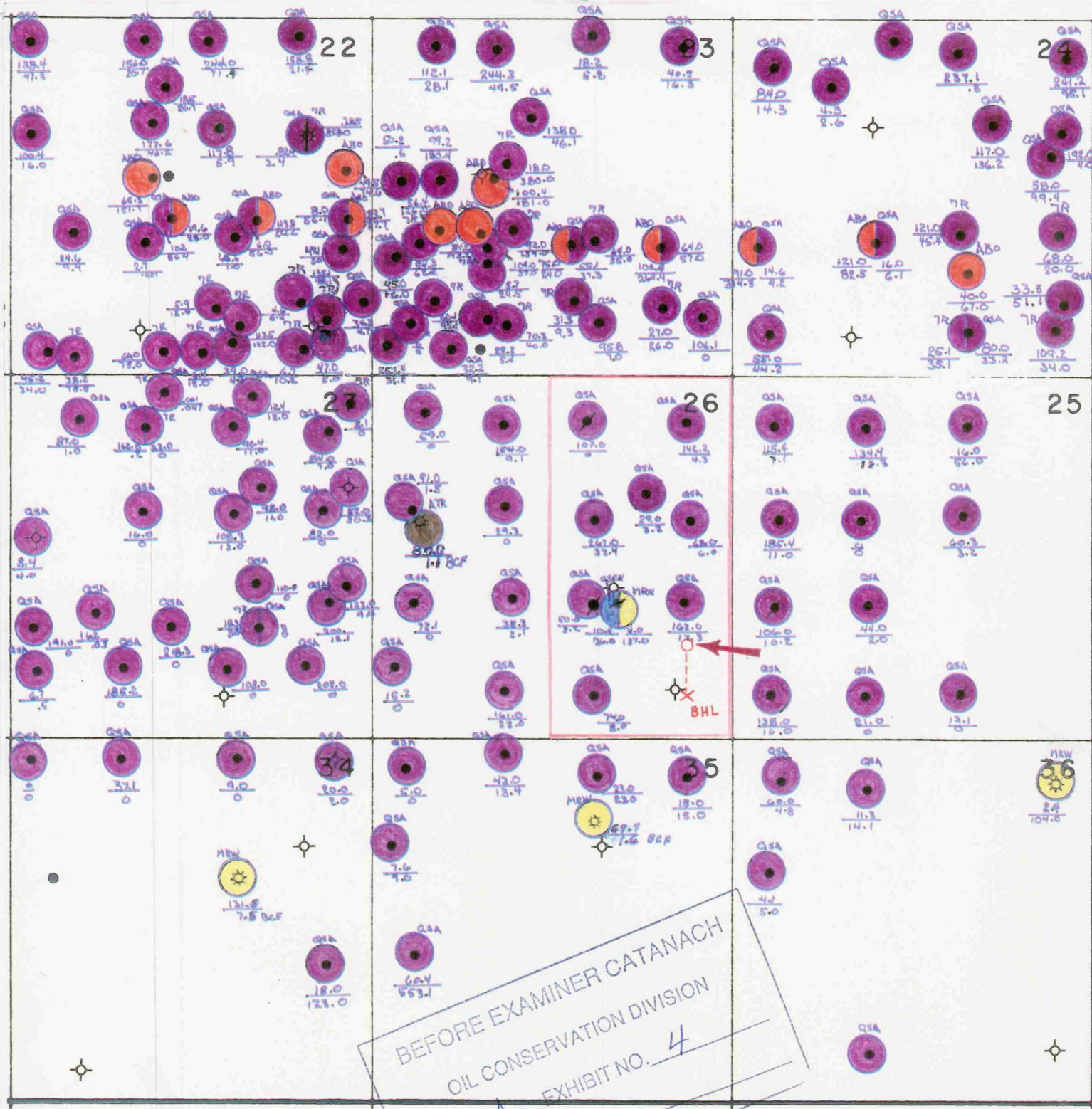
OIL CONSERVATION DIVISION

Anadarko EXHIBIT NO. 3






CASE NO. 10719



R 30 E



PRODUCTION KEY

-  UPPER PERMIAN
-  ABO
-  CISCO/CANYON
-  ATOKA
-  MORROW

MBO/MMCF

BEFORE EXAMINER CATANACH
OIL CONSERVATION DIVISION
Anadarko
EXHIBIT NO. 4
CASE NO. 10719

Anadarko

Petroleum Corporation

CEDAR LAKE
EDDY COUNTY, NEW MEXICO

PRODUCTION PLAT

Interpretation By: P. SCISM

Drafted By: Scale: 1" = 2000'

Date: 6/93 Contour Interval: