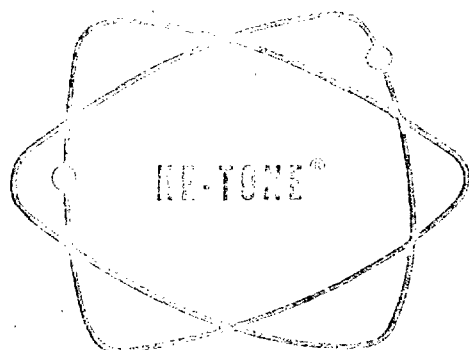


TELEPHONE: HOBBS 393-6215



UNITED CHEMICAL CORPORATION

OF NEW MEXICO

601 NORTH LEECH

P. O. BOX 1499

HOBBS, NEW MEXICO 88240

Company Continental Oil Company

Field Wolfcamp West Sep.

Lease Anderson Ranch

Sampling Date 9-30-69

Type of Sample _____

WATER ANALYSIS

IONIC FORM	me/l *	mg/l *
Calcium (Ca++)	73.85	1,480
Magnesium (Mg++)	30.43	370
Sodium (Na+) Calculated	861.55	19,807
Carbonate (HCO ₃ -)	12.20	744
Carbonate (CO ₃ -)	NOT FOUND	
Hydroxide (OH-)	NOT FOUND	
Sulphate (SO ₄ -)	48.41	2,325
Chloride (Cl-)	905.22	32,100
7.3 ph c 68 °F		
Dissolved Solids on Evap. at 103° - 105° C		
Hardness as Ca CO ₃	104.28	5,214
Carbonate Hardness as CaCO ₃ (temporary)	12.20	610
Non-Carbonate Hardness as CaCO ₃ (permanent)	92.08	4,604
Alkalinity as CaCO ₃	12.20	610
Specific Gravity c 68° F	1.035	

* mg/l = milligrams per Liter

* me/l = milliequivalents per Liter

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 9
CASE NO. 4236

McKee Water Works

ANDERSON RANCH WOLFECAMP POOL

Reservoir Data
(Anderson Ranch Unit Only)

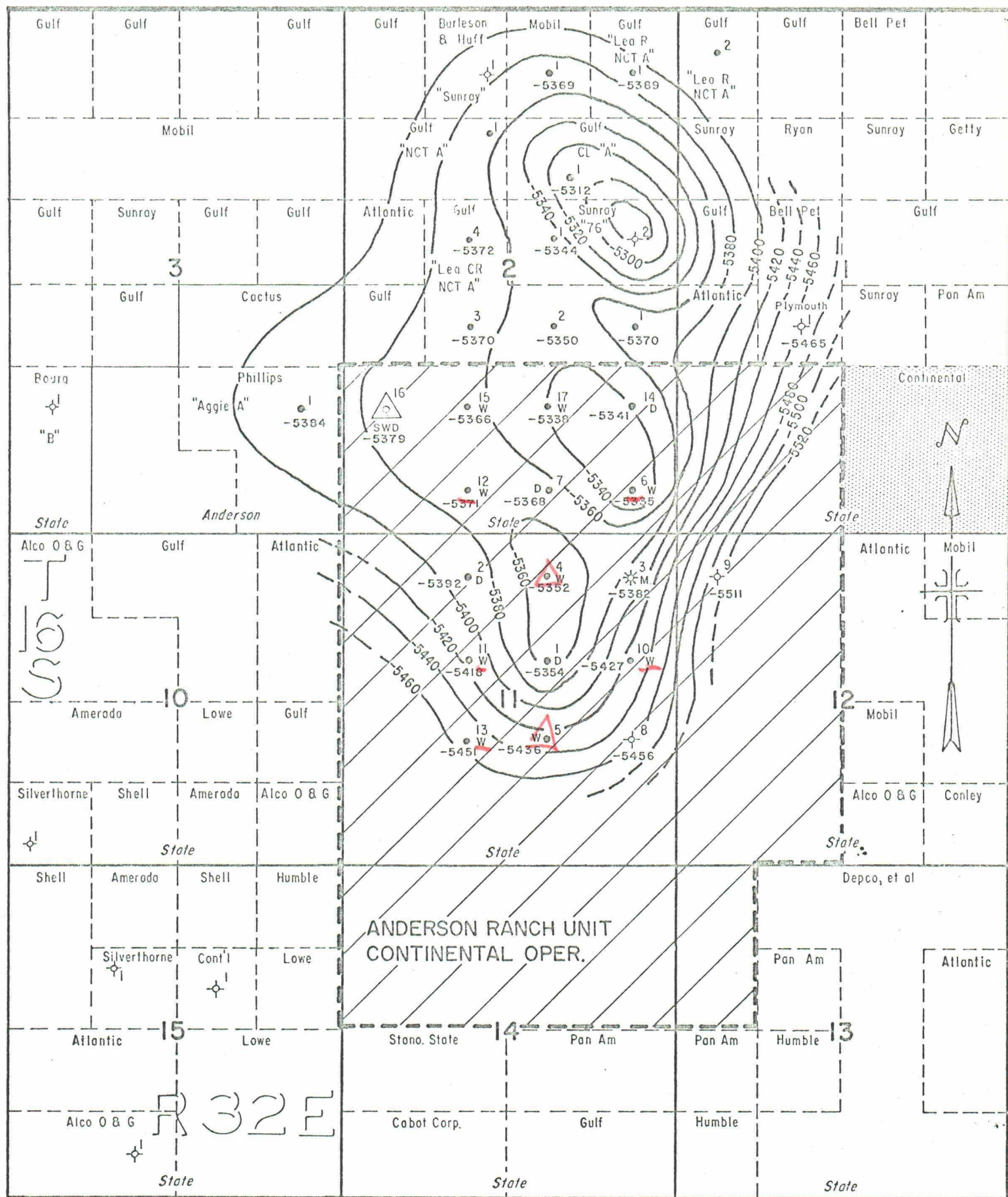
Estimated reservoir volume	26,542 ac ft
Average porosity	9.6%
Estimated I. W. S.	21 %
Formation Volume factor	1.86
Original BHP (mid pay)	3655 psi
Estimated original oil-in-place	8,395,900 barrels
Cumulative recovery to 7-1-69	1,856,733 barrels
Estimated ultimate primary recovery	2,085,750

July and August, 1969 Production

Well	July Production			August Production		
	Oil	Water	Gas	Oil	Water	Gas
4	345	5918	182	198	4512	104
5	0	0	0	0	0	0
6	171	2052	680	106	1692	424
10	0	0	0	0	0	0
11	0	0	0	66	0	226
12	655	0	4372	408	0	2729
13	683	0	97	484	0	70
15	0	0	0	287	0	461
17	1024	3157	194	640	2617	123
Total	2878	11,127	5525	2189	8821	4137

Cumulative Production to 9-1-69: 1,861,800 Barrels

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 7
CASE NO. 4236



W-WOLFCAMP PRODUCER
D-DEVONIAN PRODUCER
M-MORROW PRODUCER

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 6
CASE NO. 4236

CONTINENTAL OIL COMPANY

PRODUCTION DEPARTMENT—HOBBS DIVISION

ANDERSON RANCH UNIT

LEA COUNTY, NEW MEXICO

STRUCTURE MAP
TOP OF SAUNDERS LIMESTONE
WOLFCAMP FORMATION
CONTOUR INT: 20'

SCALE
0' 1000' 2000'

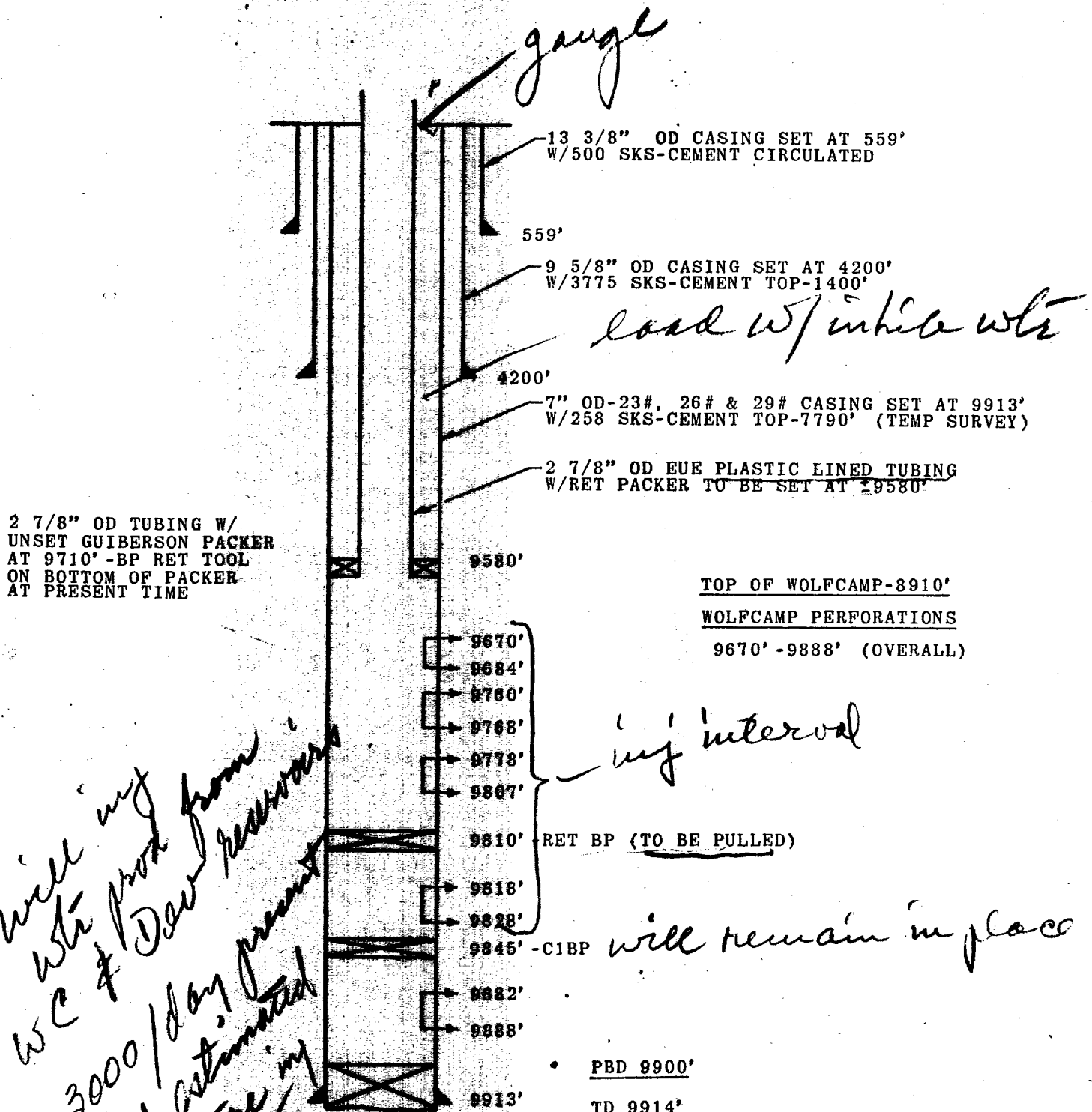
EX-11217

6

ANDERSON RANCH UNIT NO. 4

UNIT "B" 660' FNL & 1980' FEL SEC. 11-T16S-R32E

ELEV-4304' GL
-4315' DF



PROPOSED PROCEDURE

1. PULL RODS & PUMP.
2. LOWER TUBING AND RETRIEVE BRIDGE PLUG SET AT 9810' IF POSSIBLE.
3. PULL TUBING, PACKER & BRIDGE PLUG.
4. RUN 2 7/8" OD EUE N-80 PLASTIC LINED TUBING WITH RET BAKER LOK-SET PACKER TO BE SET AT 9580'.
5. HOOK-UP WELL FOR WATER INJECTION.

NOTE:

CASING TUBING ANNULUS TO BE LOADED WITH TREATED FRESH WATER (APPROX 300 BBLs)

JAG 9/22/69:erw

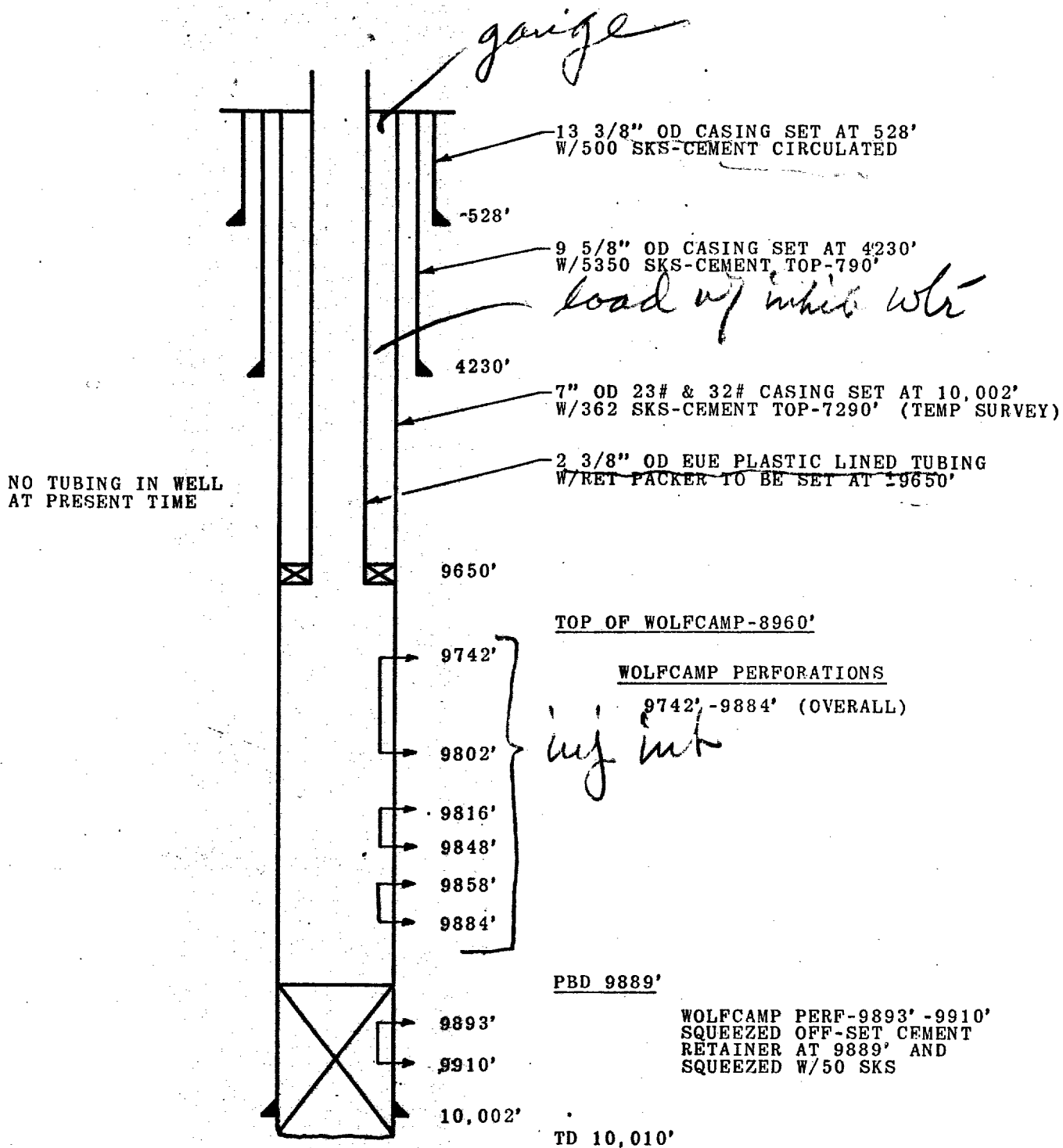
BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 2
CASE NO. 4236

EXHIBIT

ANDERSON RANCH UNIT NO. 5

UNIT "3" 1980' FSL & 1980' FEL SEC. 11-T16S-R32E

ELEV-4297' BHF
-4309' DF



PROPOSED PROCEDURE

1. KILL WELL W/PRODUCED WATER.
2. RUN 2 3/8" OD EUE-N-80 PLASTIC LINED TUBING W-RET BAKER LOK-SET PACKER TO BE SET AT 9650'
3. HOOK UP WELL FOR WATER INJECTION

NOTE:

CASING TUBING ANNULUS TO BE LOADED WITH
TREATED FRESH WATER (APPROX 310 BBLs)

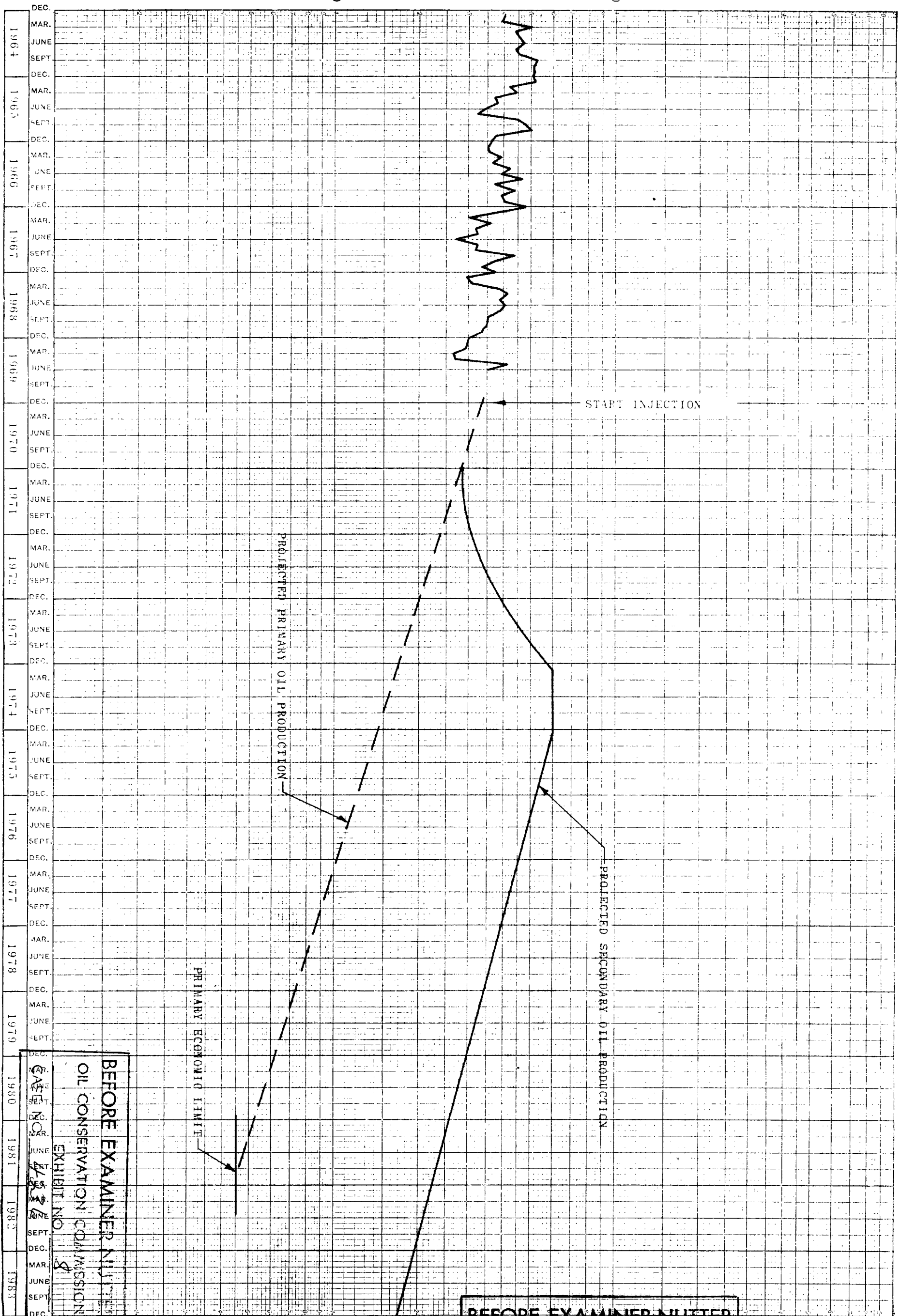
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OIL CONSERVATION COMMISSION	
EXHIBIT NO.	3
CASE NO.	4236

EXHIBIT

3

BPM



BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 8

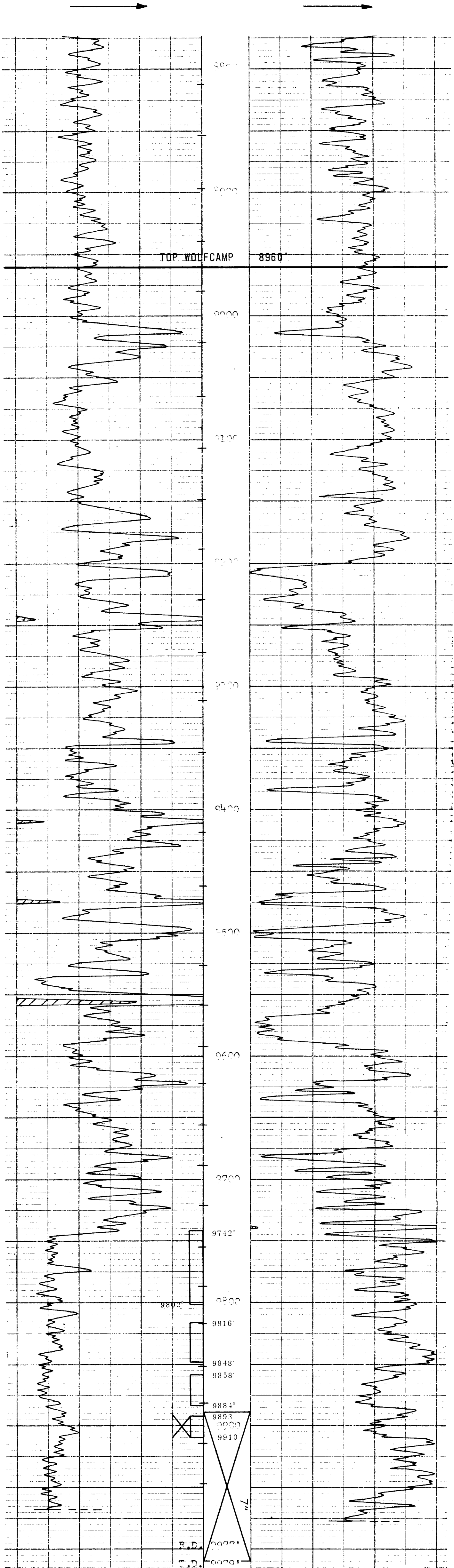
BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 8
CASE NO. 4236

FIGURE 6

CONTINENTAL OIL COMPANY
LEA COUNTY, NEW MEXICO
ANDERSON RANCH UNIT NO. 5

GAMMA RAY

NEUTRON

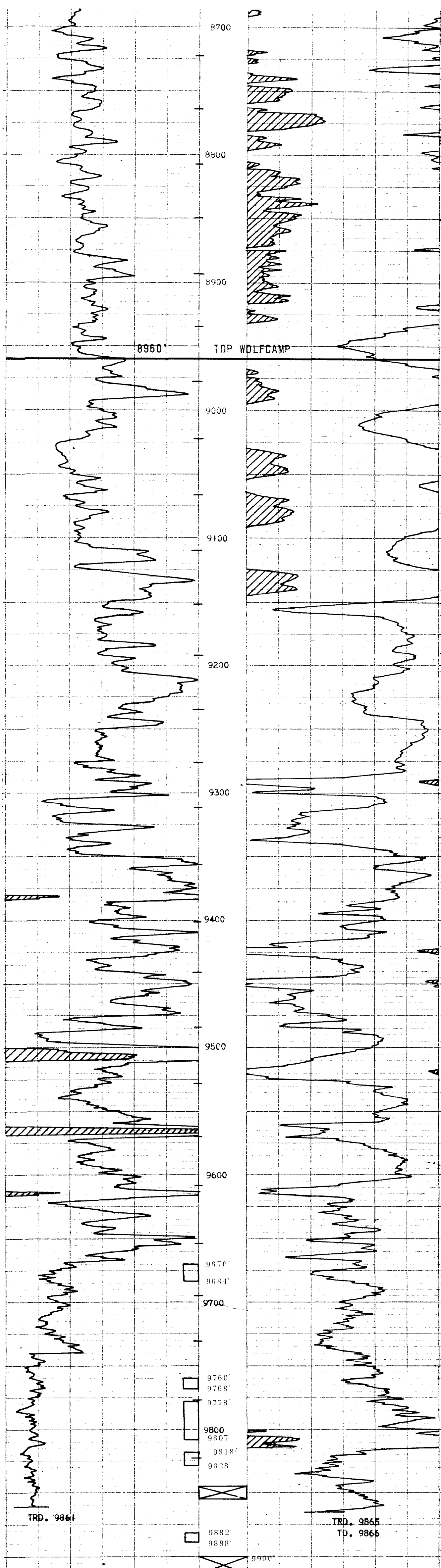


BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 5
CASE NO. 4236

LEA COUNTY NEW MEXICO
ANDERSON RANCH UNIT NO. 4

GAMMA RAY

NEUTRON



BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 4
CASE NO. 4236