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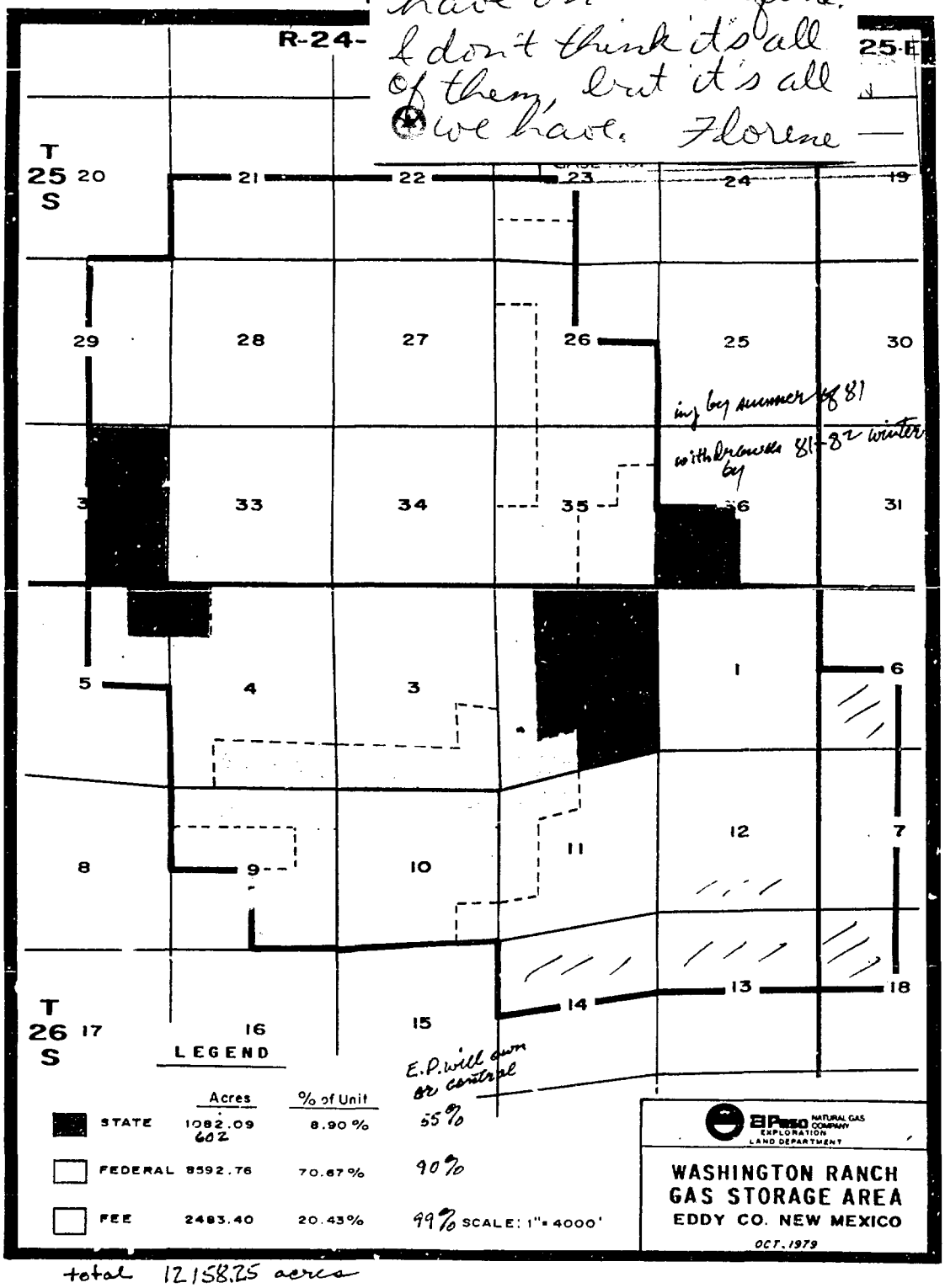
OIL CON. DIV.
DIST. 2

TESTIMONY

Bryan:
These are copies of the exhibits in Case 6703 that we have on microfiche. I don't think it's all of them, but it's all we have. Florene



total 12158.25 acres

SCHLUMBERGER

COMPANY BLACK RIVER CORPORATION

WELL CITIES FEDERAL #1

FIELD WILDCAT

COUNTY EDDY STATE NEW MEXICO

LOCATION 1650' FNL & 1650' FWL

Sec 34 Twp 25-S Rge 24-E

Other Services: DIL, ML, NDT

COUNTY EDDY
FIELD or LOCATION WILDCAT
WELL CITIES FEDERAL
COMPANY BLACK RIVER CORP.

Permanent Datum G.L. Elev. 3725
Log Measured From K.B. 16 Ft. Above Perm. Datum
Drilling Measured From K.B.

Elev.: K.B. 3741
D.F. 3740
G.L. 3725

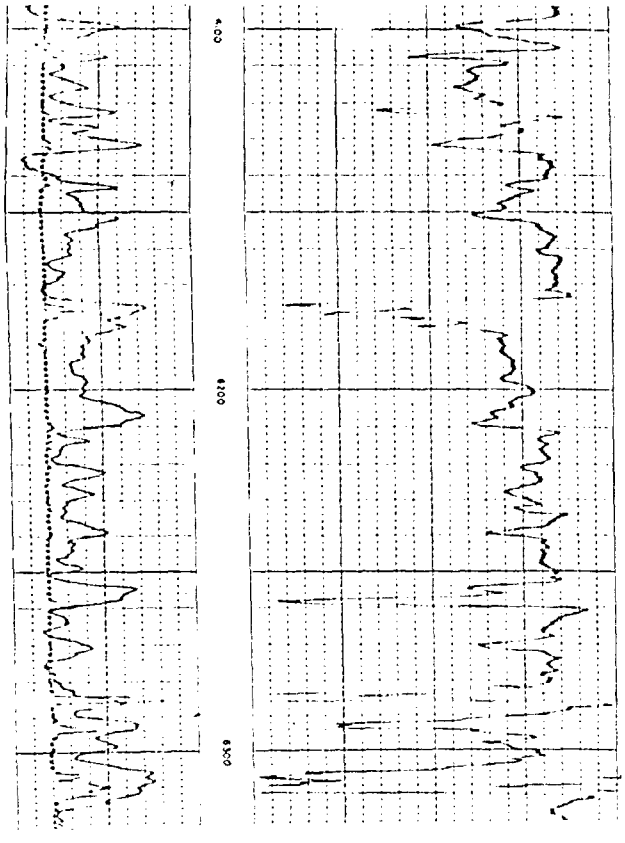
Date	6-1-71			
Run No	[illegible]			
Depth—Driller	7035			
Depth—Logger	7036			
Btm Log Interval	7034			
Top Log Interval	50			
Casing—Driller	8 5/8 @ 1005	@	@	
Casing—Logger	1000			
Bit Size	7 7/8			
Type Fluid in Hole	FRESH WATER			
Dens. / Visc.	G.L. / CHEM			
pH / Fluid Loss	11 / 6 ml	ml	ml	ml
Source of Sample	PIT			
R_m @ Meas. Temp.	[illegible]	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	[illegible]	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	[illegible]	@ °F	@ °F	@ °F
Source R_{mf} / R_{mc}	[illegible]			
R_m @ BHT	[illegible]	@ °F	@ °F	@ °F
Time Since Circ.	[illegible] HOURS			
Max. Rec. Temp.	[illegible]	°F	°F	°F
Equip. / Location	[illegible]			
Recorded By	[illegible]			
Witnessed By	[illegible]			

Reproduced By
Electrical Log Services
Midland, Texas 79701

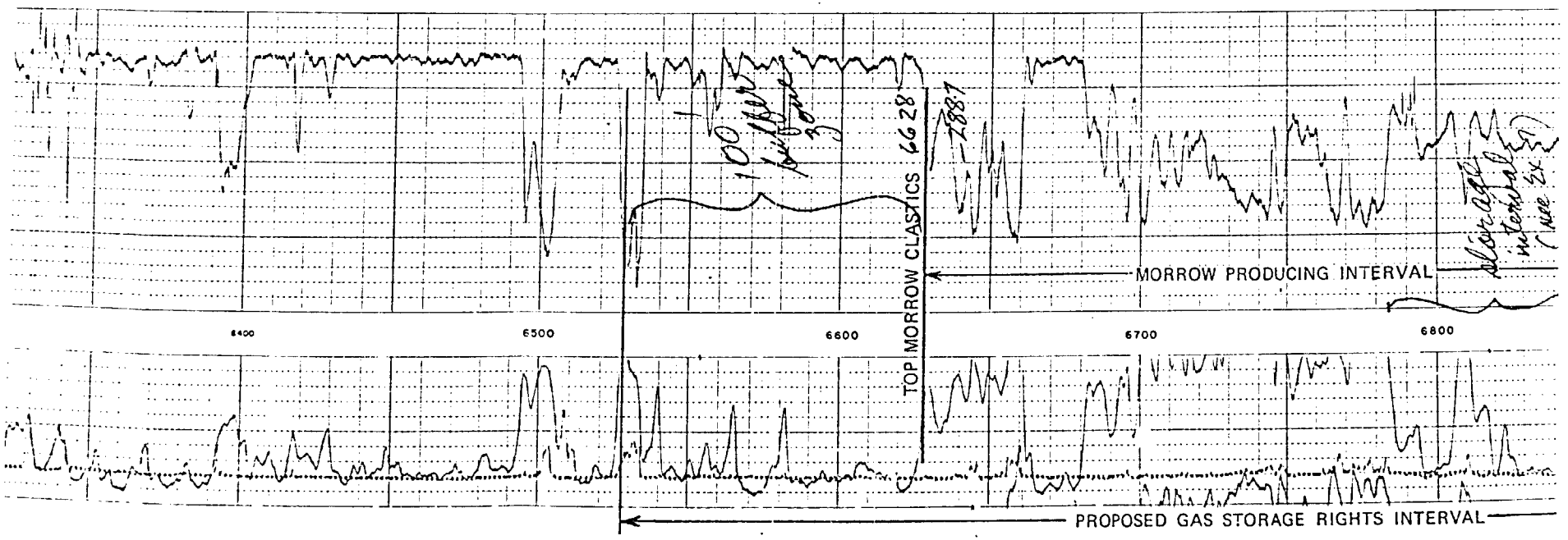
REFERENCE W 6205F

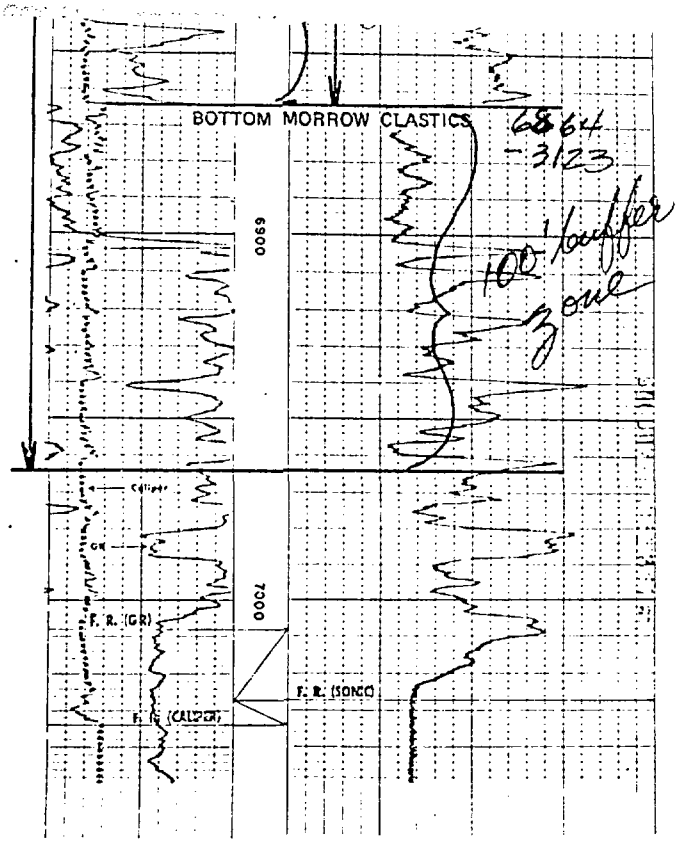
ELSI

COMPLETION RECORD



Ex/6150 6703


6400
6500
6600
6700
6800
TOP MORROW CLASTICS 6628
-2887
MORROW PRODUCING INTERVAL
PROPOSED GAS STORAGE RIGHTS INTERVAL



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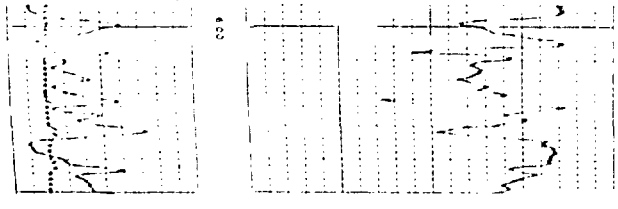
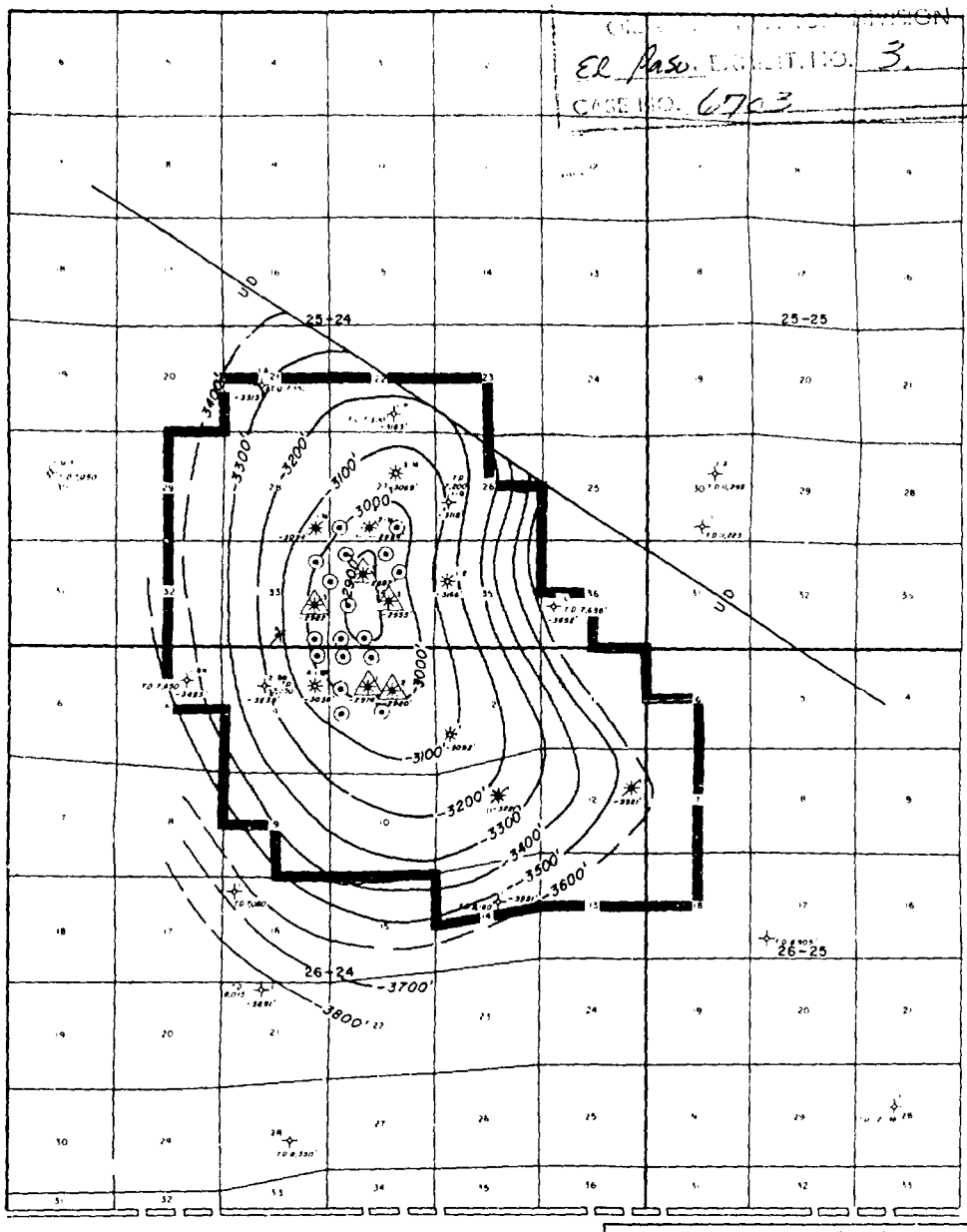
Midland, Texas 79701

REFERENCE W 6205F

COMPLETION RECORD



El Paso EXHIBIT NO. 3.
CASE NO. 6703



LEGEND

- PROPOSED INJECTION-WITHDRAWAL WELL
- PROPOSED LOCATION, INJECTION-WITHDRAWAL WELL
- OBSERVATION WELL
- ABANDONED MORROW WELL
- DRY HOLE
- PROPOSED GAS STORAGE AREA OUTLINE

El Paso Natural Gas Company

WASHINGTON RANCH MORROW GAS STORAGE PROJECT

EDDY COUNTY, NEW MEXICO

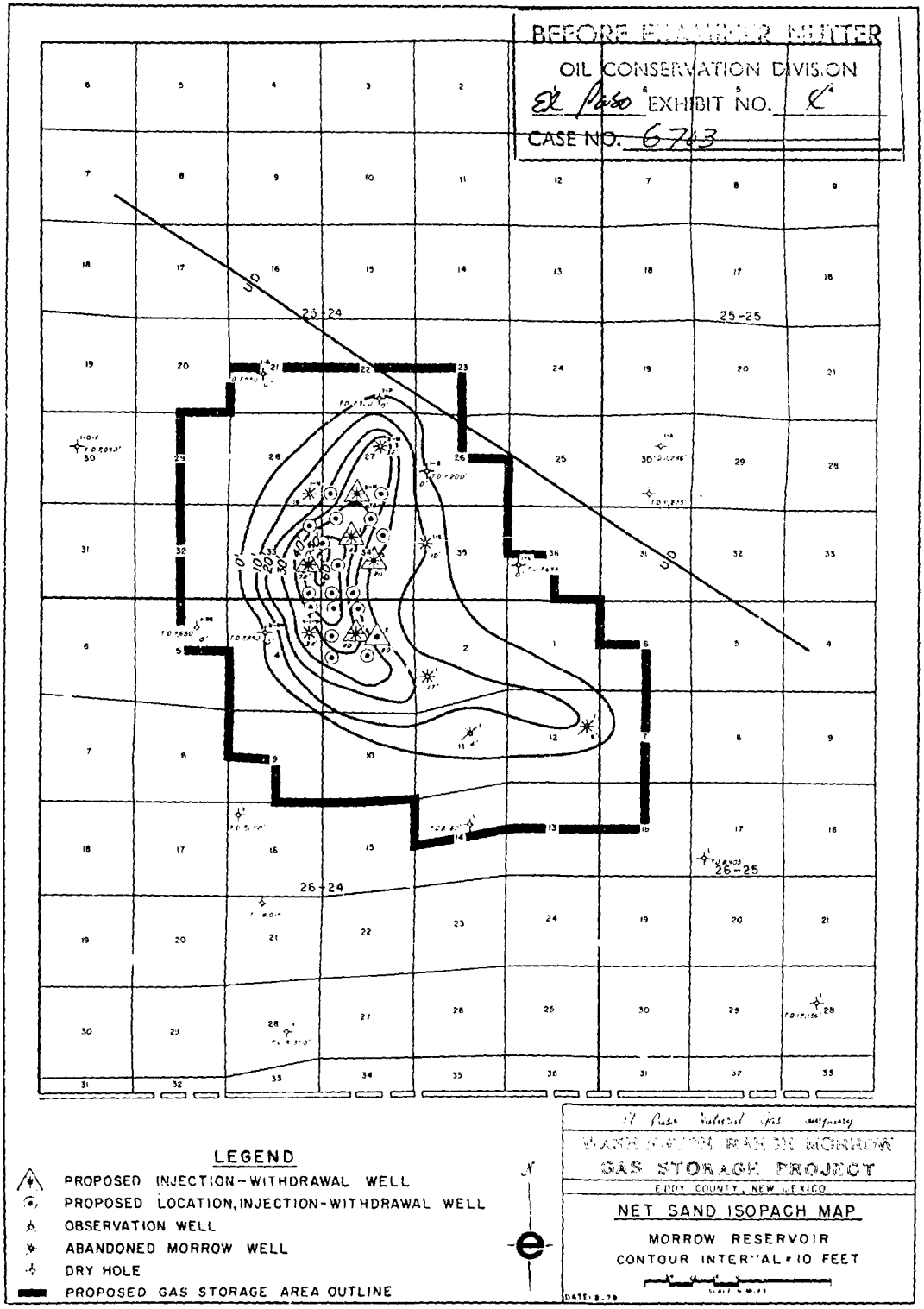
STRUCTURE MAP

TOP OF MORROW CLASTICS

CONTOUR INTERVAL = 100 FEET

SCALE IN MILES

DATE 8-79


BEFORE EXAMINER NUTTER
OIL CONSERVATION DIVISION
El Paso EXHIBIT NO. 6
CASE NO. 6743
25-24
25-25
26-24
26-25
UD
LEGEND
PROPOSED INJECTION-WITHDRAWAL WELL
PROPOSED LOCATION, INJECTION-WITHDRAWAL WELL
OBSERVATION WELL
ABANDONED MORROW WELL
DRY HOLE
PROPOSED GAS STORAGE AREA OUTLINE
El Paso Natural Gas Company
WASHINGTON RANCH MORROW
GAS STORAGE PROJECT
EDDY COUNTY, NEW MEXICO
NET SAND ISOPACH MAP
MORROW RESERVOIR
CONTOUR INTERVAL = 10 FEET
DATE: 8-79

BEFORE THE OIL CONSERVATION COMMISSION
El Paso EXHIBIT NO. 5
CASE NO. 6703

NMOCC Case 6703
Exhibit 5

Washington Ranch Morrow Gas Storage Project,
Showing Location of Wells Currently Producing, their Future Producing Status, and Wells Proposed to be Drilled and Completed for Gas Injection-Withdrawal Purposes

Presently Producing (10)

T-25-S R-24-E

Unit	Section	Code
G	27	2
N	27	1
I	33	1
F	34	1
J	34	1
E	35	2

T-26-S R-24-E

H	4	2
F	3	1
G	3	1
M	2	2

CODE: 1. Well will be utilized as an injection-withdrawal well.

2. Well will be used as an observation well.

Location of Wells to be Drilled (17)

T-25-S R-24-E

Unit	Section
M	27
O	27
A	33
P	33
B	34
D	34
E	34
G	34
L	34
M	34
N	34

T-26-S R-24-E

A	4
C	3
D	3
E	3
K	3
L	3

EXHIBIT NO. 6
CASE NO. 6703

NMOCC Case 6703
Exhibit 6

Proposed Coring and Electrical Log Program

For

Washington Ranch Gas Storage Project

Coring Program

It is recommended that 3 wells be cored in the process of drilling and completion of 17 injection-withdrawal wells.

These will be full diameter cores, and cover the entire Morrow producing interval, including 100 feet of section above and below the Morrow Clastics interval, as more fully described in El Paso's proposed Washington Ranch "Gas Storage Interval."

Analyses suggested to be run on these cores would include conventional porosity, permeability and residual fluid saturation determinations.

The location of wells which are recommended for coring are:

Unit	Sec	TWP	Range
O	27	25	24
L	34	25	24
K	3	26	24

Electrical Logging Program

Each well drilled will have the following electrical surveys run:

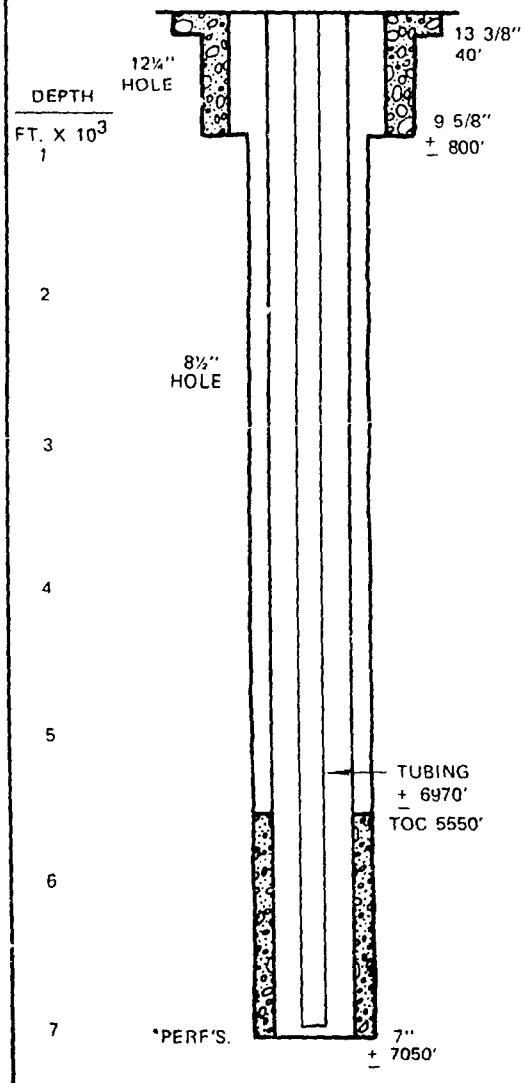
(1) Schlumberger Dual Induction Spherically Focused Log with Spontaneous Potential (SP) and Gamma Ray curves.

(2) Schlumberger Formation Density - Compensated Neutron Log (FDC - CNL).

(3) Schlumberger Sonic Log (BHC).

WASHINGTON RANCH
PROPOSED NEW I–W WELL

BEFORE
OIL CONSERVATION DIVISION
El Paso EXHIBIT NO. 8
CASE NO. 6703

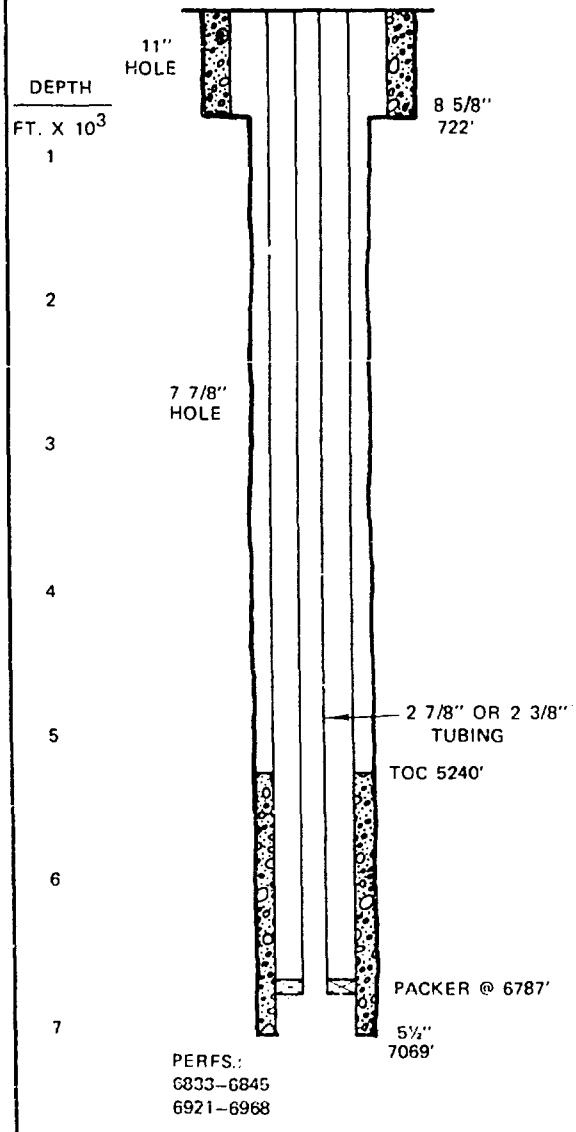


SIZE	GRADE	WT	BURST	COLLAPSE	DRIFT ID
13 3/8"	USED				
9 5/8"	H–40	32.3	2270	1400	8.845
7"	K–55	23	4360	3270	6.241
	J–55	6.5	7260	7680	2.441

*AVG. MID. PERF. 6970'

WASHINGTON RANCH
TYPICAL EXISTING
PRODUCING WELL

RECEIVED BY STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
El Paso EXHIBIT NO. 9
CASE NO. 6703



SIZE	GRADE	WT	BURST	COLLAPSE	DRIFT ID
8 5/8"	---	24	---	---	---
5 1/2"	---	14	---	---	---
5 1/2"	---	15.5	---	---	---
2 3/8" or 2 7/8"	J–55 or N–80	---	---	---	---