

**ANADARKO PRODUCTION COMPANY**

A Panhandle Eastern Pipe Line Company Subsidiary

Two Greenway Plaza East, Suite 410  
Houston, Texas 77046  
(713) 626-7610

June 27, 1975

New Mexico Oil Conservation  
Commission  
P. O. Box 2088  
Santa Fe, NM 87501

Re: Revision Of Water Injection  
Pattern On Anadarko Production  
Company's Far West Loco Hills  
Sand Unit, Loco Hills Field,  
Eddy County, New Mexico

Gentlemen:

Anadarko Production Company, as Unit Operator of Far West Loco Hills Sand Unit, Loco Hills Field, Eddy County, New Mexico, hereby requests administrative approval from the New Mexico Oil Conservation Commission for the conversion of Wells No. 9-10 and No. 9-14 as water input wells and the reconversion of Well No. 10-16 as a water input well. Administrative approval for additional wells was granted under Commission Order R-3628-C dated January 5, 1973. The wells requested here are no closer than 330' from the outer unit boundary.

Well No. 9-10 will replace Well No. 8-27 as a water input well. This replacement is requested in order to eliminate mechanical problems now present in Well No. 8-27.

Well No. 9-14 is a watered out producing well and conversion to water input is requested in order to improve sweep efficiency and increase recovery.

Well No. 10-16 was approved as a water input well by Administrative Order WFX 348 dated July 27, 1970. This well was converted during 1970 and water injection continued for about six months, at which time injection was discontinued, and after a period of time the well was recompleted as a producer. In order to increase sweep efficiency on the west side of the Unit, we requested approval to

New Mexico Oil Conservation Commission

June 27, 1975

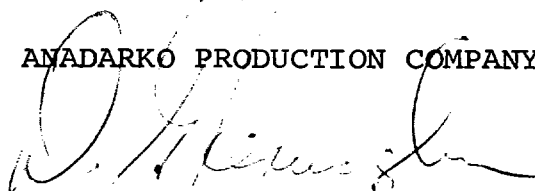
Page 2

reconvert this well to water injection.

With this application we are enclosing plats showing the area of the Far West Loco Hills Unit and the proposed changes within the Unit as well as schematic diagrams of the proposed injection well completions and a copy of the Gamma Ray Neutron Log on Well No. 10-16. This is the only log available on these three wells. Waivers of objection to this application have been requested from J. Cleo Thompson and Newmont Oil Company. These waivers will be forwarded as soon as they have been returned to us.

Very truly yours,

ANADARKO PRODUCTION COMPANY



D. G. Kernaghan

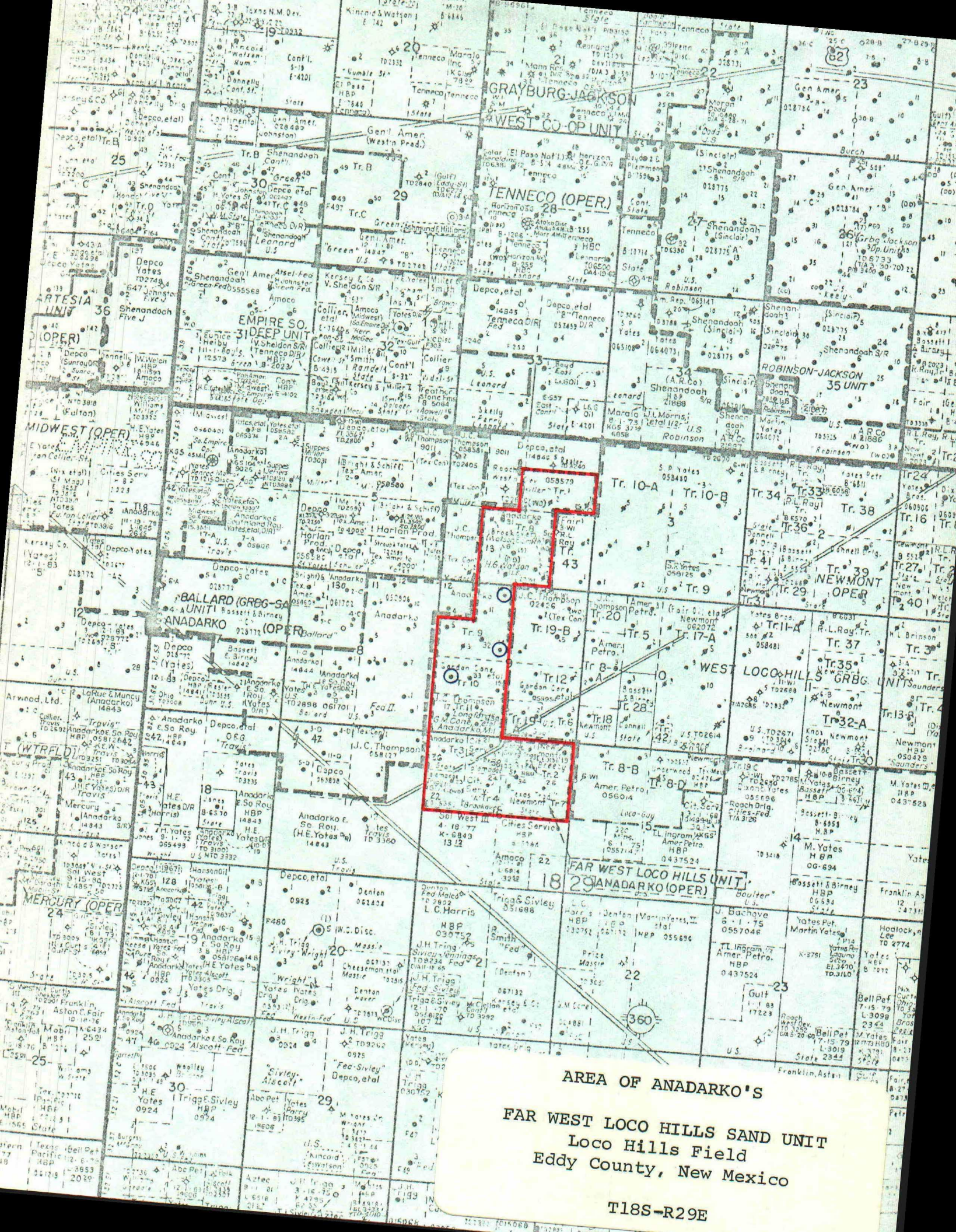
Division Evaluation Engineer

DGK/mm

Enclosures

cc: New Mexico Oil Conservation Commission - Artesia  
Mr. J. Cleo Thompson  
Newmont Oil Company

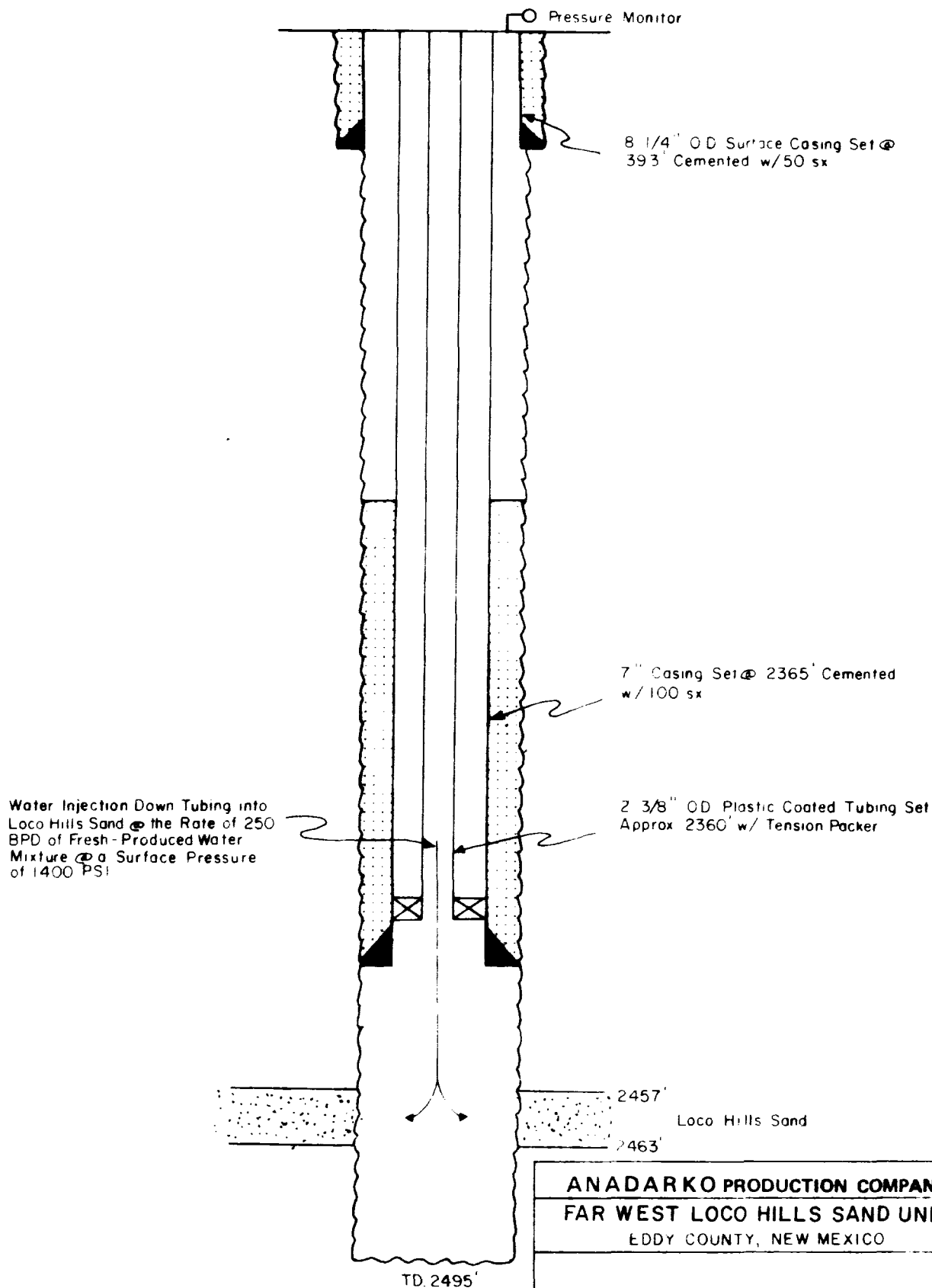








**WELL NO. 9-10**  
**SECTION 9 - T18S-R29E**  
**330' FNL & 2310 FWL**  
**ELEV. 3506' GL**

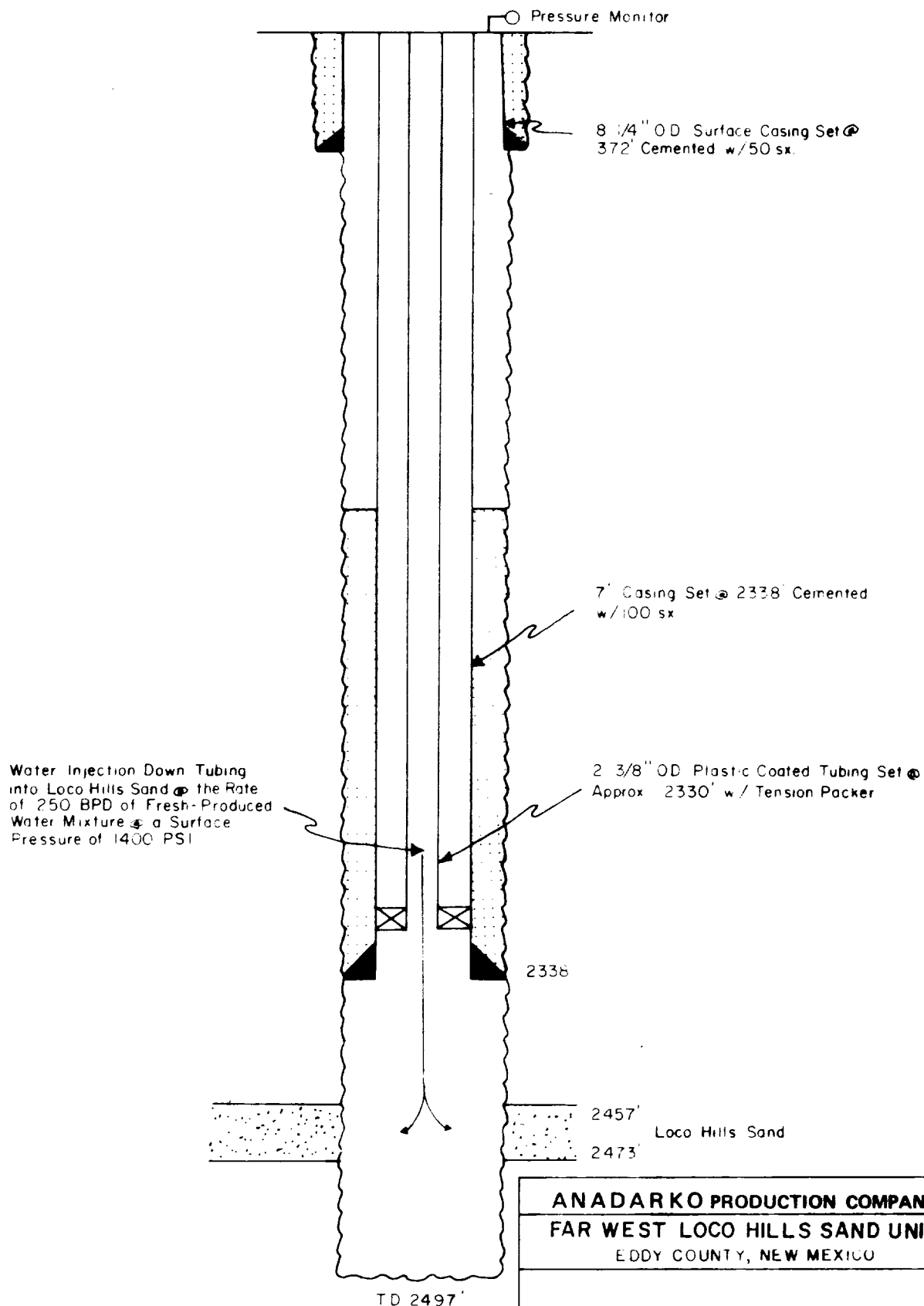


**ANADARKO PRODUCTION COMPANY**  
**FAR WEST LOCO HILLS SAND UNIT**  
**EDDY COUNTY, NEW MEXICO**

**DIAGRAM OF INJECTION WELL  
 COMPLETION**

JUNE 26, 1975

**WELL NO. 9-14**  
 SECTION 9 - T18S-R29E  
 2310' FNL 8 2310' FWL  
 ELEV 3492' GL

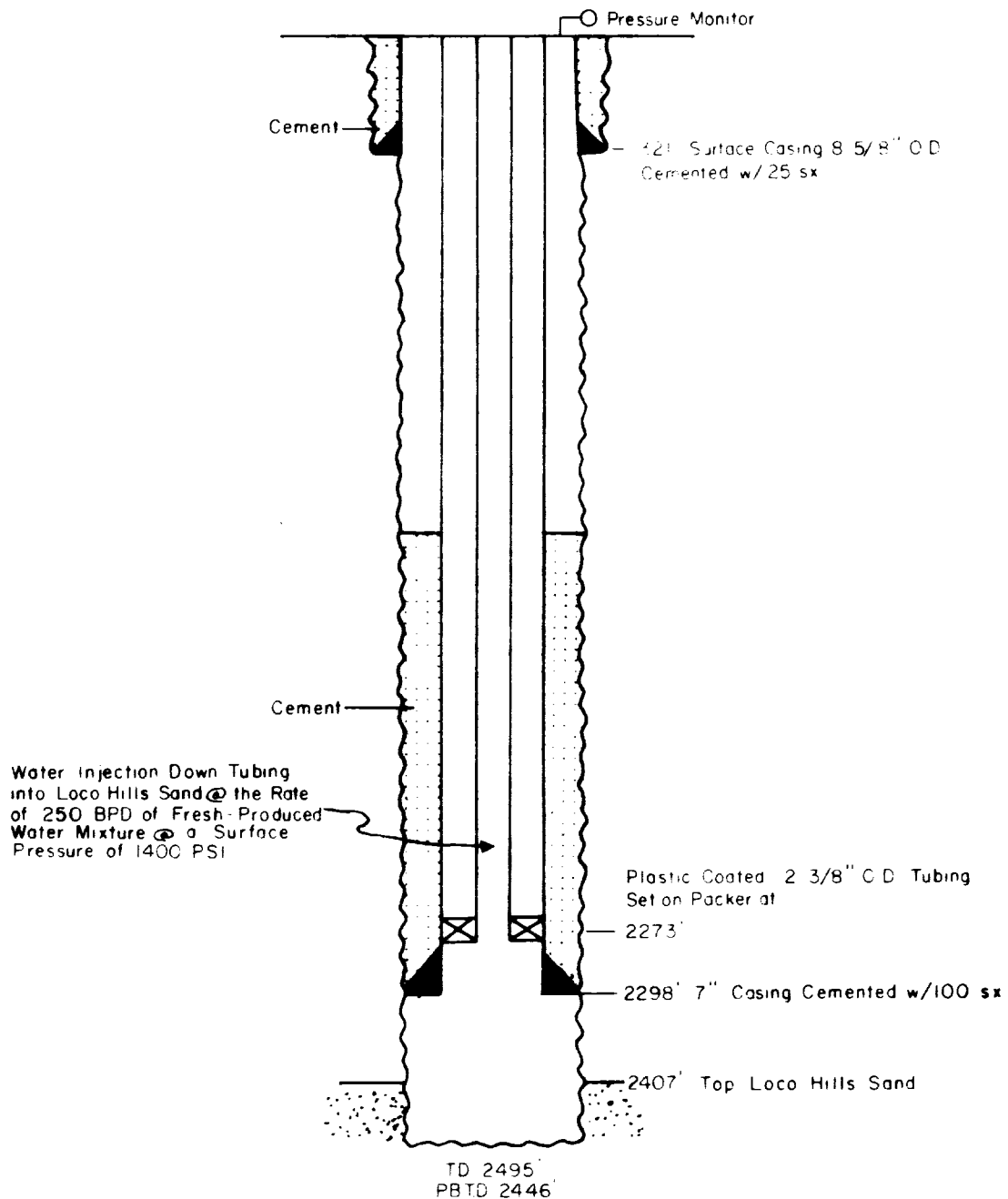


**ANADARKO PRODUCTION COMPANY**  
**FAR WEST LOCO HILLS SAND UNIT**  
 EDDY COUNTY, NEW MEXICO

**DIAGRAM OF INJECTION WELL  
 COMPLETION**

JUNE 26, 1975

WELL NO. 10-16  
SECTION 9 - T18 S - R 29 E  
1980' FSL & 660' FWL  
ELEV 3500' GL



ANADARKO PRODUCTION COMPANY  
FAR WEST LOCO HILLS SAND UNIT  
EDDY COUNTY, NEW MEXICO

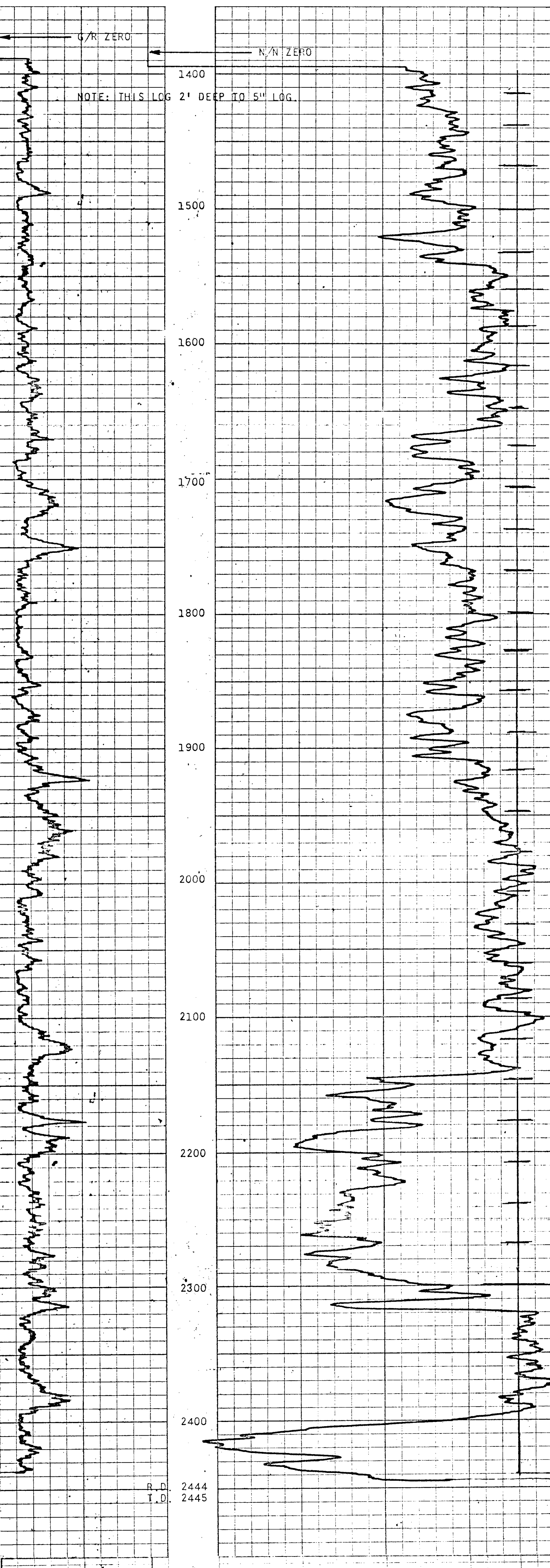
DIAGRAM OF INJECTION WELL  
COMPLETION

JUNE 26, 1975



# Gamma-Ray Section Log

COMPANY		ANADARKO PRODUCTION COMPANY	
WELL		F.W.L.H.S.U. WELL #10-16	
FIELD		FAR WEST LOCO HILLS	
STATE		NEW MEXICO	
COUNTY		EDDY	
LOCATION		1980' FSL & 660' FWL	
SEC.		9	
TWP.		18-S	
RGE.		29-E	
OTHER SERVICES:		CALIPER	
PERMANENT DATUM		GROUND LEVEL	
LOG MEASURED FROM		KELLY BUSHING 0	
ELEV. FT. ABOVE PERM. DATUM		3500	
DEPT. LOGGING MEASURED FROM		ELEV. K.S. 3500	
DATE		7/2/70	
RUN NO.		ONE	
TYPE LOG		GR/N	
DEPTH-DRILLER		2460	
DEPTH-LOGGER		2458	
BOTTOM LOGGED INTERVAL		2457	
TOP LOGGED INTERVAL		1500	
TYPE FLUID IN HOLE		WATER	
MAX REC TEMP DEG. F		N/A	
RECORDED BY		WASHBURN	
WITNESSED BY		MR. LAYTON	
BORE-HOLE RECORD		CASING RECORD	
RUN NO.		BIT	
FROM		TO	
SIZE		WGT.	
7 1/2"		SURFACE	
0 H.		2298	
		2460	





**ANADARKO PRODUCTION COMPANY**

A Panhandle Eastern Pipe Line Company Subsidiary

Two Greenway Plaza East, Suite 410  
Houston, Texas 77046  
(713) 626-7610

July 7, 1975

New Mexico Oil Conservation  
Commission  
P. O. Box 2088  
Santa Fe, NM 87501

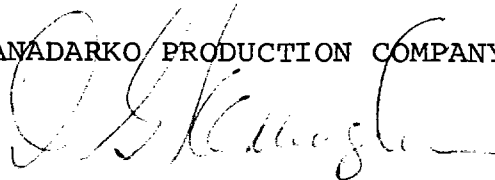
Re: Revision Of Water Injection  
Pattern On Anadarko Production  
Company's Far West Loco Hills  
Sand Unit, Loco Hills Field,  
Eddy County, New Mexico

Gentlemen:

Attached are waivers from offset operators regarding Anadarko's application for administrative approval to convert additional wells to water injection in the Far West Loco Hills Sand Unit, Loco Hills Field, Eddy County, New Mexico.

Very truly yours,

ANADARKO PRODUCTION COMPANY



D. G. Kernaghan  
Division Evaluation Engineer

DGK/mm

Enclosures

TO: NEW MEXICO OIL CONSERVATION COMMISSION

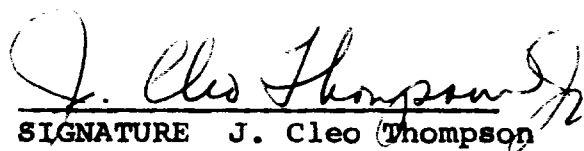
The undersigned has no objection to Anadarko Production Company's conversion of Far West Loco Hills Sand Unit Wells No. 9-10, 9-14 and 10-16 to water input wells, and waive any objection to the approval of this application.

Charles C. Joy  
SIGNATURE

Newmont Oil Company  
COMPANY

TO: NEW MEXICO OIL CONSERVATION COMMISSION

The undersigned has no objection to Anadarko Production Company's conversion of Far West Loco Hills Sand Unit Wells No. 9-10, 9-14 and 10-16 to water input wells, and waive any objection to the approval of this application.

  
SIGNATURE J. Cleo Thompson

  
COMPANY

OIL CONSERVATION COMMISSION  
Alameda DISTRICT

OIL CONSERVATION COMMISSION  
BOX 2088  
SANTA FE, NEW MEXICO

DATE 6-30-75

RE: Proposed MC \_\_\_\_\_  
Proposed DHC \_\_\_\_\_  
Proposed NSL \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed WFX X \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

Gentlemen:

I have examined the application dated 6-27-75  
for the Armadillos Prod. Co. Far West Loco Hills St. Wt. \*9-10, 9-14+10-16. 9-18-29  
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approval on receipt of waiver.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours very truly,

W. A. Gressett