



L. P. Thompson
Division Manager
Production Department
Hobbs Division
Western Hemisphere Petroleum Division

Continental Oil Company
P.O. Box 460
1001 North Turner
Hobbs, New Mexico 88240
(505) 393-4141

May 13, 1975

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

Attention Mr. A. L. Porter Jr. - Secretary-Director

Gentlemen:

Application for Authority to Convert MCA Unit Well No. 226 to Water
Injection, Lea County, New Mexico

Continental Oil Company, operator of the MCA Unit, respectfully requests authority under the provisions of Order No. R-2403-A to convert to water injection MCA Unit Well No. 226 located 660' FN & WL of Section 34, Township 17 South, Range 32 East, Maljamar (Grayburg San Andres) Pool, Lea County, New Mexico. Conversion of the well to water injection will result in improvement of waterflood pattern in the immediate offsetting wells. The attached map shows the well, marked by red triangle, and the immediate surrounding area.

The attached schematic diagram shows the manner in which the well will be equipped for injection. It is proposed to run a 4½" liner from 3400' to TD 3905' and inject in the open hole interval between 3905' and PBD 4253'. Prior to running this liner a casing inspection log will be run to determine the competence of the 7" casing. If the 7" casing is found to be in poor condition, the 4½" string will be run as a full string to the surface. The sketch shows the well as proposed to be equipped with a liner. A packer will be set at 3850 on 2 3/8" internally plastic-coated tubing and the annular space will be filled with an inert fluid and the surface connections equipped so that any change in pressure will be readily detected.

The attached log shows the portion of the bore hole into which injection is proposed to be effected.

As shown on the plat the nearest offset operator, other than Continental, is approximately ½ mile distant. It is respectfully requested that immediate approval of this application be granted.

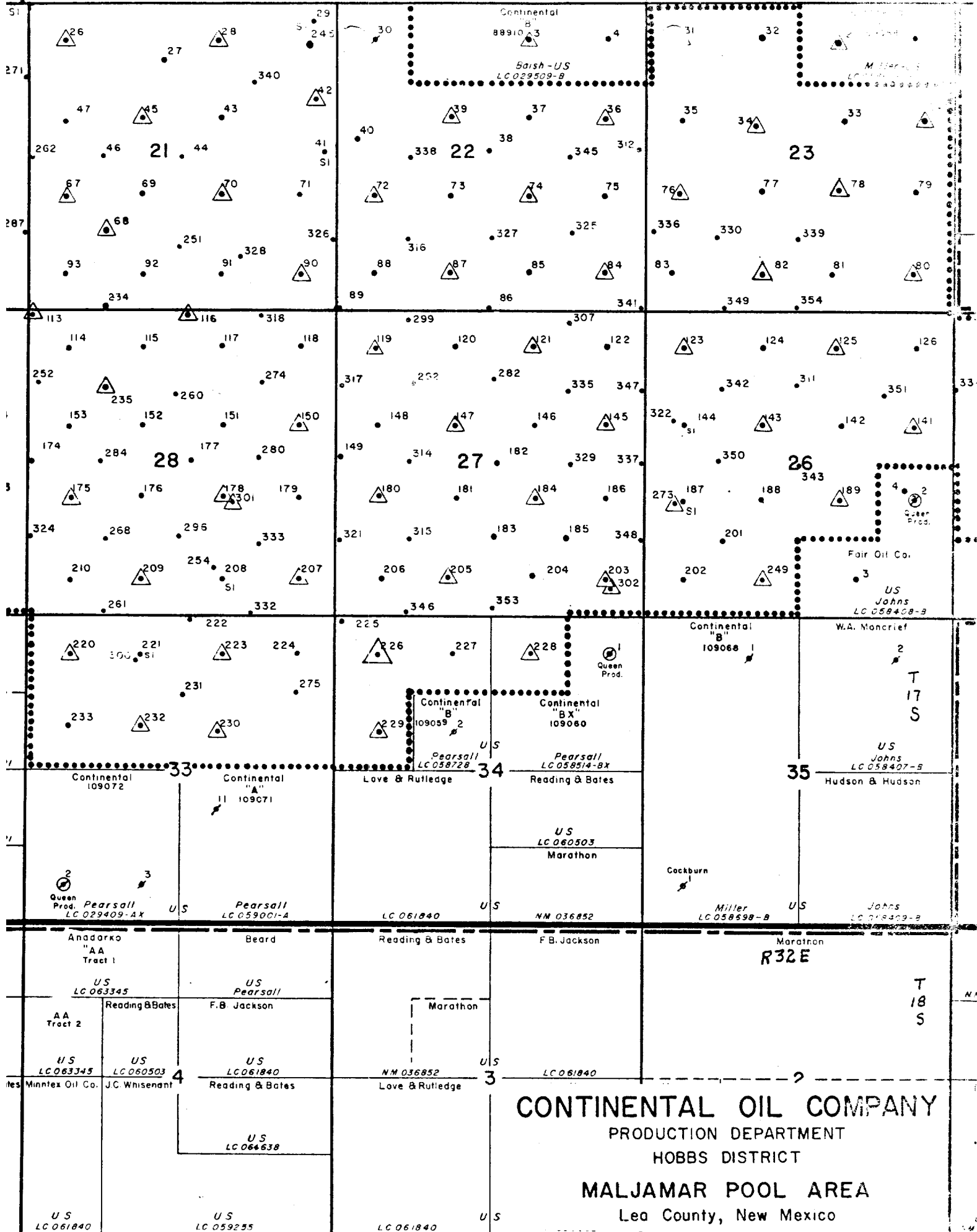
Yours very truly,

reh

CC:

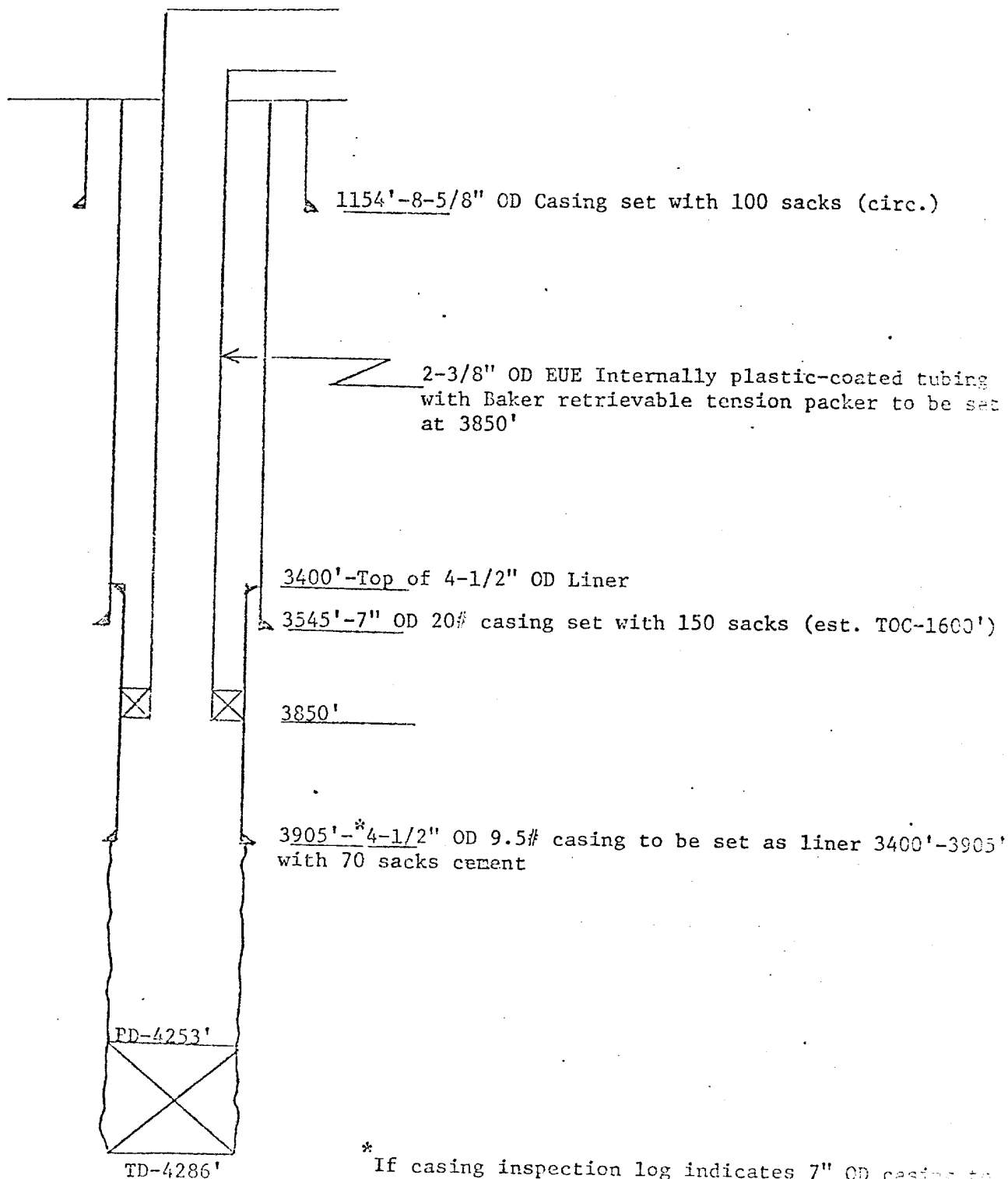
NMOCC - Hobbs
USGS - Hobbs (2)

JCC: FOH: JWK



MCA UNIT WELL NO. 226

UNIT D - 660' FNL & FWL SEC. 34 - T-17S, R-32E
LEA COUNTY, NEW MEXICO



*
If casing inspection log indicates 7" OD casing to
be in poor condition, a full string of 4-1/2" OD
casing will be set from 3905' to surface and cemented
with 285 sacks cement.

																									
COMPANY: CONTINENTAL OIL COMPANY																									
WELL: MCA UNIT - 220																									
FIELD: WILMINGTON																									
COUNTY: TULSA STATE: NEW MEXICO																									
Location: 600' FNL ± 600' FNL	Other Services:																								
Sec: 31 Twp: 17-S Rge: 22-E	Caliper:																								
Permanent Datum: Ground Level	Else: KA																								
Log Measured from: 0' Above Perm. Datum	DT: 0.0																								
Drilling Measured from:	GL:																								
Date: 10-28-72																									
Run No: 1																									
Tool No: 1																									
Depth - Driller: 1000																									
Depth - Wire: 1000																									
Bottom Logged Interval: 1000																									
Top Logged Interval: 1000																									
Type Fluid in Hole: Water																									
Spinning RPM: 1000																									
Density: 2100																									
Level: 2100																									
Max. rec. temp. deg. F:																									
Operating Rig Time:																									
Recorded By: H.H. Stewart																									
Witnessed By: W. Robinson																									
<table border="1"> <thead> <tr> <th colspan="4">ROPE HOLE RECORD</th> <th colspan="4">CASING RECORD</th> </tr> <tr> <th>Run No.</th> <th>Bit</th> <th>From</th> <th>To</th> <th>Size</th> <th>Wgt.</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>6-1/2"</td> <td>5511'</td> <td>1256'</td> <td>7"</td> <td></td> <td>0</td> <td>Well</td> </tr> </tbody> </table>		ROPE HOLE RECORD				CASING RECORD				Run No.	Bit	From	To	Size	Wgt.	From	To	1	6-1/2"	5511'	1256'	7"		0	Well
ROPE HOLE RECORD				CASING RECORD																					
Run No.	Bit	From	To	Size	Wgt.	From	To																		
1	6-1/2"	5511'	1256'	7"		0	Well																		

