

Houston Division  
Production Operations, U.S. & Canada



**Marathon  
Oil Company**

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Hobbs, New Mexico 88240  
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SUL #197

SEP 29 1977  
NEW MEXICO OIL CONSERVATION COMMISSION  
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September 15, 1977

New Mexico Oil Conservation Commission  
P. O. Box 1980  
Hobbs, New Mexico 88240

Gentlemen:

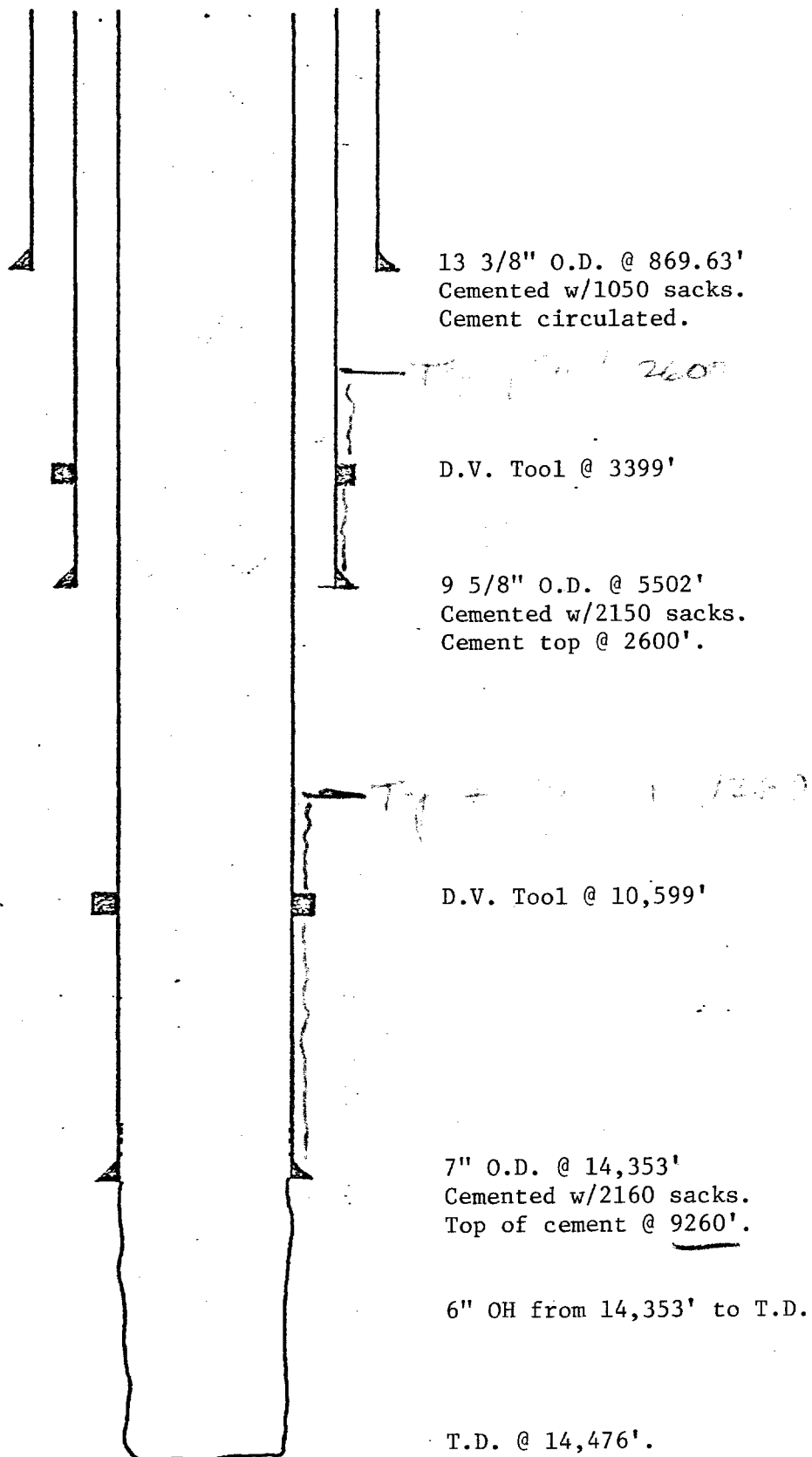
Marathon Oil Company has recently applied for and received approval from the New Mexico Oil Conservation Commission for the injection of salt water in the Lea Unit Well No. 8. In accordance with Memo No. 3-77, received September 6, 1977, please find enclosed diagrams and tabulated information for the two wells that are located within one-half mile of the proposed salt water disposal well.

Very truly yours,

Alexander W. Reid III  
Production Engineer

AWR:mfm  
Enclosures

LEA UNIT WELL NO. 5, LEA DEVONIAN POOL  
SEC. 12-20S-34E, 1980' FSL & 1980' FEL,  
LEA COUNTY, NEW MEXICO



LEA UNIT WELL NO. 5

13 3/8" O.D. @ 869.63'

Cemented with 1,050 sacks cement.

Cement circulated.

27 jts., 48#, H-40, 0 to 869.63'.

9 5/8" O.D. @ 5502'

Cement - First Stage with 1,450 sacks

Second Stage with 700 sacks

Cement top at 2600'.

82 jts., 36#, J-55 0 to 3399.44'

1 D.V. tool 3399.44 to 3401.67'

5 jts., 36#, J-55 3401.67 to 3614.42'

46 jts., 40#, J-55 3614.42 to 4715.56'

7" O.D. @ 14,353'

Cement - First Stage with 1,400 sacks

Second Stage with 760 sacks

Top of cement at 9260'

38 jts., 26#, P-110 0 to 1585.31'

67 jts., 26#, N-80 1585.31 to 4334.95'

46 jts., 26#, P-110 4334.95 to 6327.80'

78 jts., 26#, S-95 6327.80 to 9894.69'

15 jts., 29#, S-95 9894.69 to 10,599.65'

1 D.V. tool 10,599.65 to 10,601.79'

30 jts., 29#, S-95 10,601.79 to 12,006.13'

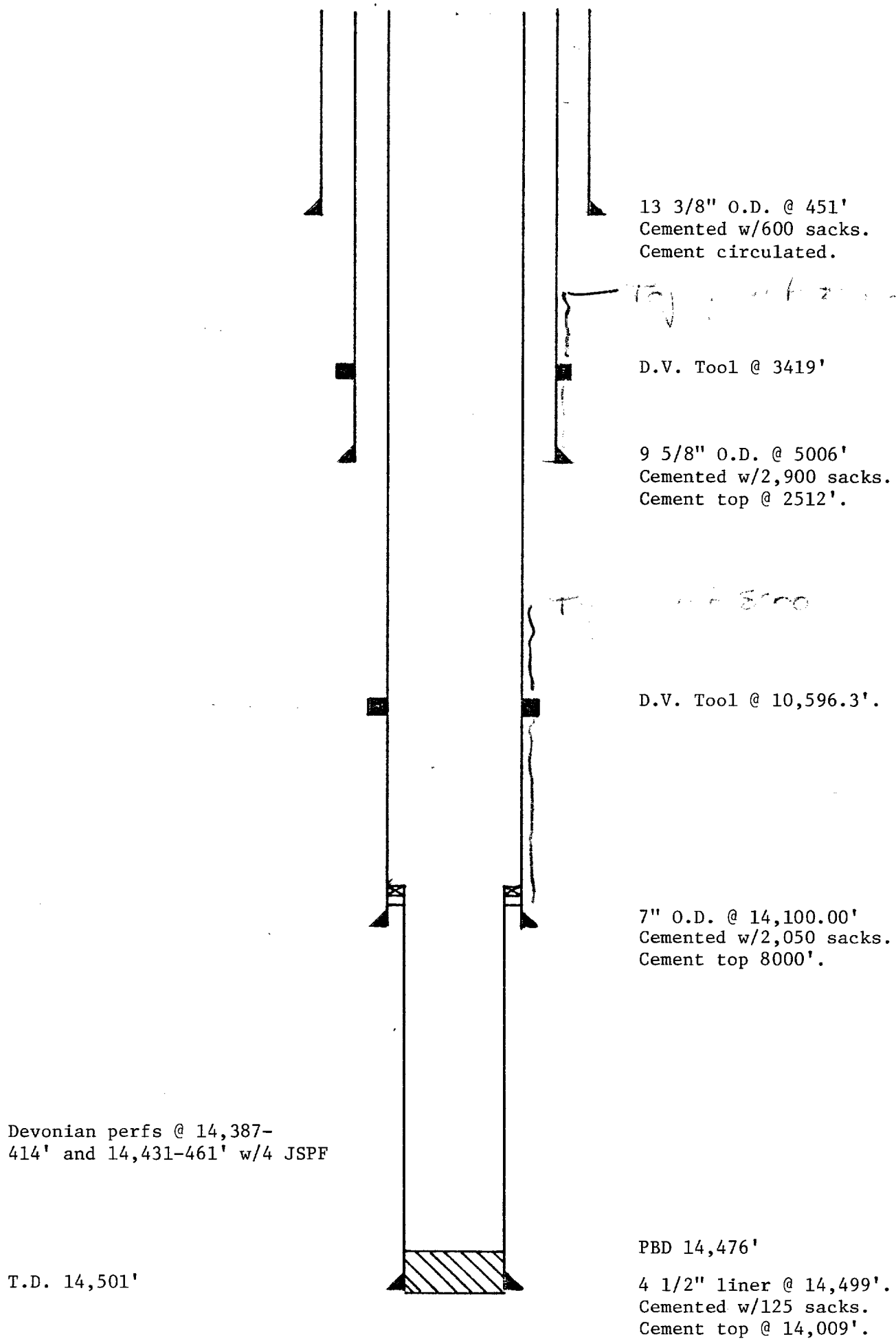
58 jts., 29#, P-110 12,006.13 to 14,353.10'

Producing interval - Devonian

OH from 14,353.1 to 14,476'

Devonian formation top @ 14,341'

LEA UNIT WELL NO. 2, LEA DEVONIAN  
 SEC. 12, T20S, R34E, 1980' FNL & 1980' FWL  
 LEA COUNTY, NEW MEXICO



LEA UNIT WELL NO. 2  
CASING AND CEMENTING RECORD

13 3/8" O.D. @ 451'  
Cemented with 600 sacks.  
Cement circulated.

21 jts., 48#, H-40 0-851.34'

9 5/8" O.D. @ 5006'.  
Cemented with - First Stage 700 sacks  
Second Stage 2,200 sacks  
Cement top @ 2512'

84 jts., 36#, J-55	0 to 3416.93'
1 D.V. Tool	3416.93' to 3419.18'
10 jts., 36#, J-55	3419.18' to 3835.80'
10 jts., 40#, J-55	3835.80' to 4257.37'
19 jts., 40#, N-80	4257.37' to 5006'

7" O.D. @ 14,100'  
Cemented with - First Stage 1,150 sacks  
Second Stage 900 sacks  
Cement top @ 8000'.

11 jts., 26#, P-110	0 to 442.57'
172 jts., 26#, N-80	442.57' to 7503.53'
66 jts., 26#, P-110	7503.53' to 10,182.77'
10 jts., 29#, P-110	10,182.77' to 10,593.81'
1 D.V. Tool	10,593.81' to 10,596.13'
85 jts., 29#, P-110	10,596.13' to 14,100.00'

Liner - 4 1/2" O.D.  
Cemented with 125 sacks  
Cement top @ 14,009'.

12 jts., 14.78#, P-110 14,010.39' to 14,476.92'

T.D. 14,501'  
PBD 14,476'

Producing interval - Devonian, perfs 14,387-414' and 14,431-461' with  
4 JSPF

Devonian formation top @ 14,317'