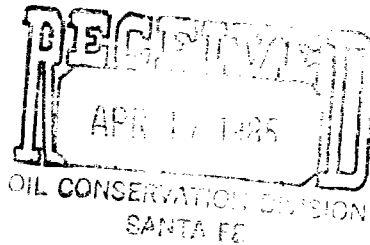




CAMPBELL & BLACK, P.A.

LAWYERS

JACK N. CAMPBELL  
BRUCE D. BLACK  
MICHAEL B. CAMPBELL  
WILLIAM F. CARR  
BRADFORD C. BERGE  
J. SCOTT HALL  
PETER N. IVES  
LOURDES A. MARTINEZ



JEFFERSON PLACE  
SUITE 1 - 10 NORTH GUADALUPE  
POST OFFICE BOX 2208  
SANTA FE, NEW MEXICO 87501  
TELEPHONE: (505) 988-4421  
TELECOPIER: (505) 983-6043

April 15, 1985

Mr. Gilbert Quintana  
Hearing Examiner  
Oil Conservation Division  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: Application of Reading & Bates Petroleum Company  
Case No. 8530

Dear Gilbert:

Enclosed are three sets of evidentiary materials to be made a part of the record following the hearing on the above-referenced application held on April 10, 1985. These materials are as follows:

- 1) Exhibit 1, page 8; well schematic for the Mobil Navajo No. 5 showing a corrected location of 1840' FSL and 880' FEL and diagram changes showing perforations at 6,408 feet - 60 feet; 35 sx. Cement squeezed to those perforations; a cement retainer set at 6,275 feet; 7.5 sx. Cement squeezed above that retainer from 6,255 - 75 feet; and perforations at 3,850 feet.
- 2) Exhibit 1, page 3; corrected to show location and plugging status for the Mobil Navajo No. 5.
- 3) Exhibit 3; corrected to show exact footage location for Mobil Navajo No. 5.

We request that these corrected exhibits be substituted and made a part of the record in this case in order to conform to the evidence adduced at the hearing.

Mr. Gilbert Quintana  
April 15, 1985  
Page Two

Please let me know if you require further information regarding Reading & Bates' proposed water disposal well.

Very truly yours,

A handwritten signature in black ink, appearing to read "J. Scott Hall". The signature is written in a cursive style with a large initial "J" and "S".

J. Scott Hall

JSH/cv  
enclosures

cc: Mr. Bruce Petitt

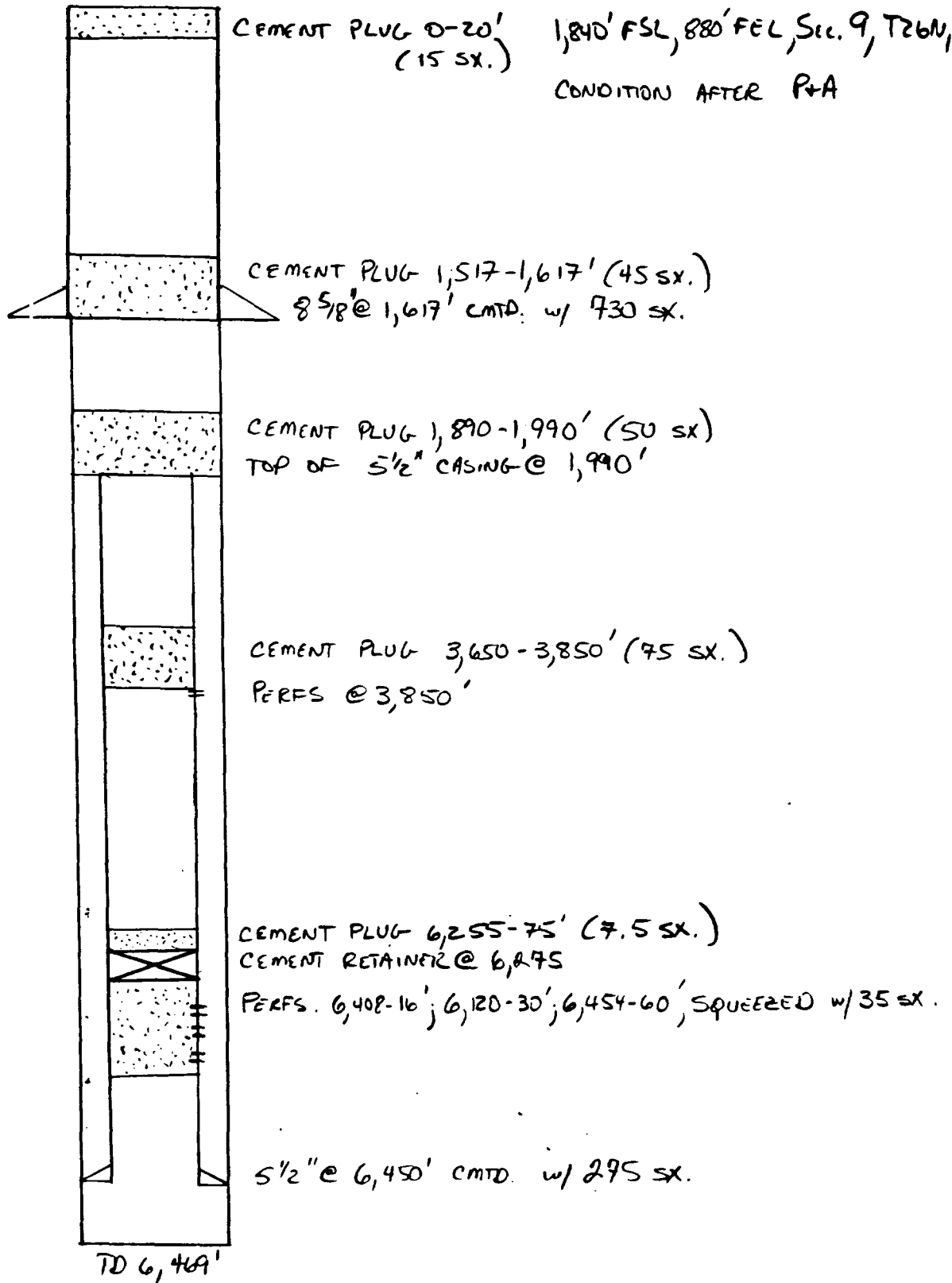
EXHIBIT "D"

WELL SCHEMATIC

MOBIL NAVAJO #5

1,840' FSL, 880' FEL, Sec. 9, T26N, R18W

CONDITION AFTER P+A



4. This well is perforated in the Pennsylvanian "E" from 6382'-6386' K.B. Well was initially perforated 6,382-6,392'. Perforations 6,382-6,392' squeezed with 100 sx. Class "B" to 75% CFR-2.
5. The next higher producing zone to the injection zone is the Pennsylvania "D" at a depth of 6198' KB. There are no known producing intervals below the injection zone in the Tocito Dome Field.

IV. This well is not the expansion of any existing projects.

V. Map (See Exhibit "B")

VI. Well Data for wells within 1/2 mile

- A. #3 Navajo Tocito (See Exhibit "C" for schematic)  
Operator: Airco  
900'FNL, 900' FWL. Sec. 10-T26N-R18W  
Elevation: 5668KB. Spud 9-17-68  
T.D. - 6777. 11" surface casing at 1616' w/480 sx.  
P&A 10-9-68

Plugged - 6500 - 6625 37 sx.  
6250 - 6350 27 sx.  
5425 - 5525 27 sx.  
3650 - 3830 55 sx.  
2000 - 2100 27 sx.  
1559 - 1650 27 sx.  
0 - 30'10 sx.

- B. #5 Navajo (See Exhibit "D" for schematic)  
Operator: Mobil Oil Co.  
1840'FSL, 880'FEL. Sec. 9-T26N-R18W  
Elevation - 5724' gr. T.D. 6469  
8 5/8" @ 1617' w/730 sx.  
5 1/2" @ 6450' w/275 sx.  
Perforated interval 6408' - 6460'

Plugged - Set cement retainer at 6,275'. Squeezed perfs. 6,408 - 60' w/35 sx. cement. Left 20' cement above retainer 6,255-75'. Perf'd. 4 holes at 3,850'. Circulated well. Shot 5-1/2" casing at 3,850'. Could not free casing. Set 75 sx. cement plug 3,850-3,650'. Cement 5 1/2" casing at 1,990'. Set 50 sx. cement plug 1,990-1,890'; 45 sx. cement plug 1,517-1,617'; 15 sx. cement plug 20' - surface. Well plugged and abandoned 11/29/78.

VII. Proposed Operations

- A. The average daily rate of injection is estimated to be 1500 BWPD. The maximum volume being estimated at 2000 BWPD.
- B. The injection system will be open.

Reading & Bates - Exhibit No. 3

Wells within the area of review which penetrate the injection zone.

1) Mobil Navajo #5

1840' FSL, 880' FEL, Sec. 9, T26N, R18W  
San Juan County, New Mexico

- a) Well type: (Plugged and abandoned)
- b) Construction: 13 3/8" @ 117' w/150 sx.  
8 5/8" @ 1,617' w/730 sx.  
5 1/2" @ 6,450' w/275 sx.  
  
perf'd. 6408-16'; 6120-30'; 6454-60'; 1 spf. frac'd.  
w/15,000 gal. gel & 50,000 # sand.
- c) Date Drilled: Spud 6-17-78; Comp. 8-15-78
- d) Location: 1,840' FSL, 880' FEL, Sec. 9, T26N,  
R18W, San Juan County, New Mexico
- e) Depth: 6,469'
- f) Record of Completion: See b) above and schematic for plugging details

2) AircoNavajo-Tocito #3

900' FNL, 900' FWL, Sec. 10, T26N, R18W,  
San Juan County, New Mexico

- a) Well Type: (Plugged and abandoned)
- b) Construction: 13 3/8" @ 93' w/110 sx.  
11" @ 1,616' w/480 sx.
- c) Date Drilled: Spud 9-17-68; Compl. 10-9-68
- d) Location: 900' FNL, 900' FWL, Sec. 10, T26N,  
R18W, San Juan County, New Mexico
- e) Depth: TD 6,777'
- f) Record of Completion: See schematic for plugging details.

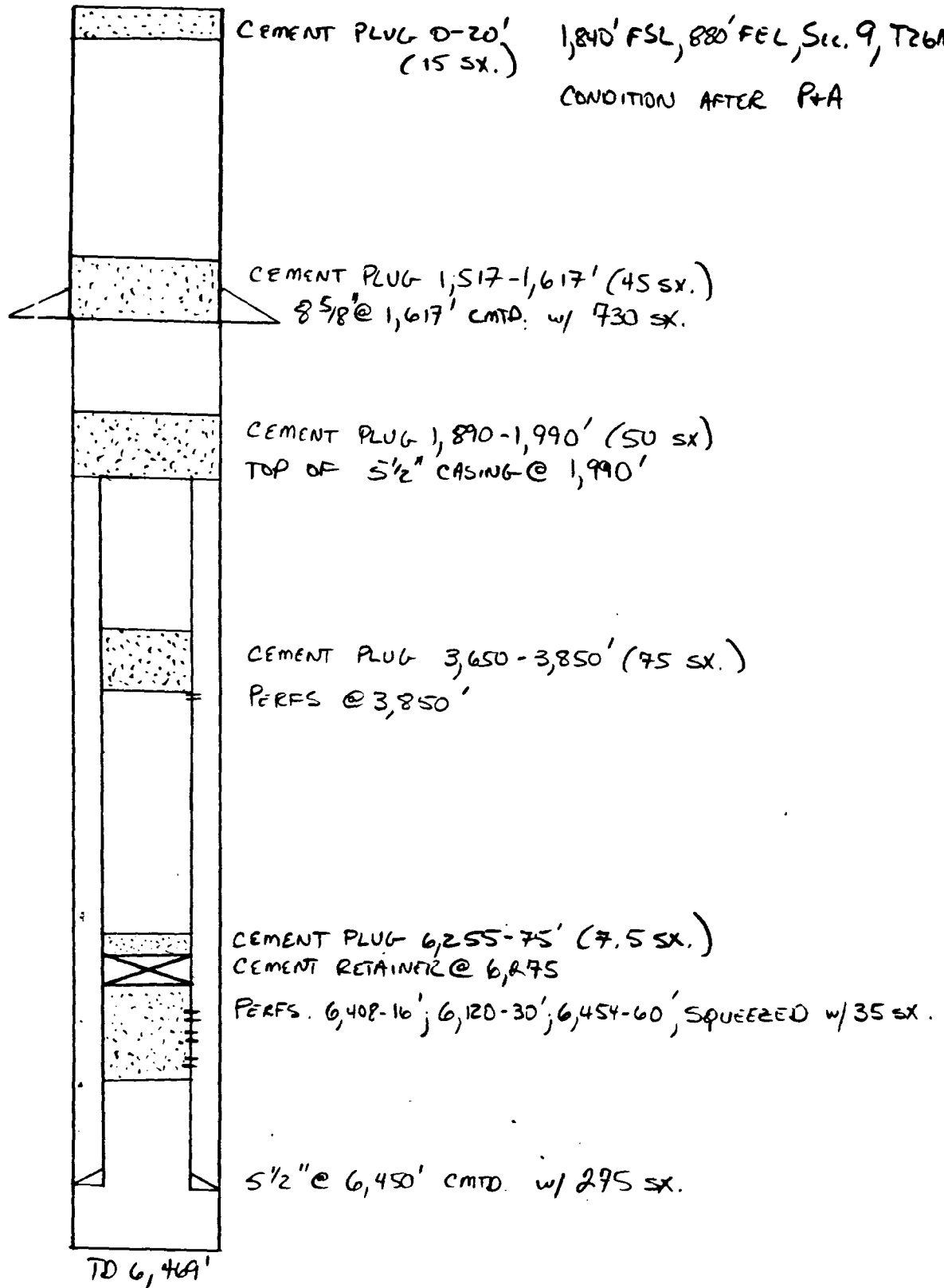
EXHIBIT "D"

WELL SCHEMATIC

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1,840' FSL, 880' FEL, Sec. 9, T26N, R18W

CONDITION AFTER P+A



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Operator: Mobil Oil Co.

1840'FSL, 880'FEL. Sec. 9-T26N-R18W

Elevation - 5724' gr. T.D. 6469

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- e) Depth: TD 6,777'
- f) Record of Completion: See schematic for plugging details.

BEFORE THE  
OIL CONSERVATION DIVISION  
NEW MEXICO DEPARTMENT OF ENERGY AND MINERALS

RECEIVED

MAR 29 1985

OIL CONSERVATION DIVISION

IN THE MATTER OF THE APPLICATION OF  
READING & BATES PETROLEUM CO. FOR  
SALT WATER DISPOSAL, SAN JUAN COUNTY,  
NEW MEXICO

Case 8530

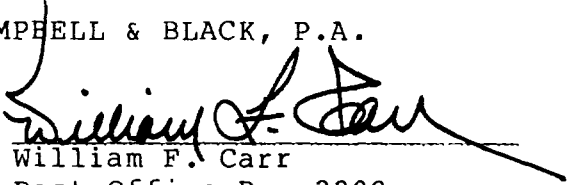
ENTRY OF APPEARANCE

Comes now, CAMPBELL & BLACK, P.A., and hereby enters its  
appearance in the above-referenced cause for Reading & Bates  
Petroleum Co.

Respectfully submitted,

CAMPBELL & BLACK, P.A.

By

  
William F. Carr  
Post Office Box 2208  
Santa Fe, New Mexico 87501  
(505) 988-4421

ATTORNEYS FOR READING & BATES  
PETROLEUM CO.



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6178

OIL CONSERVATION DIVISION  
BOX 2088  
SANTA FE, NEW MEXICO 87501

DATE 3-1-85

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

Gentlemen:

I have examined the application dated 2-26-85

for the Reading & Bates Petroleum Co. Navajo Toilet #4 L-10-262-18.0  
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Deny for hearing

This applicant ~~was~~ is scheduled for  
hearing 3-27-85 case # 8530

Yours truly,

Eric Reed