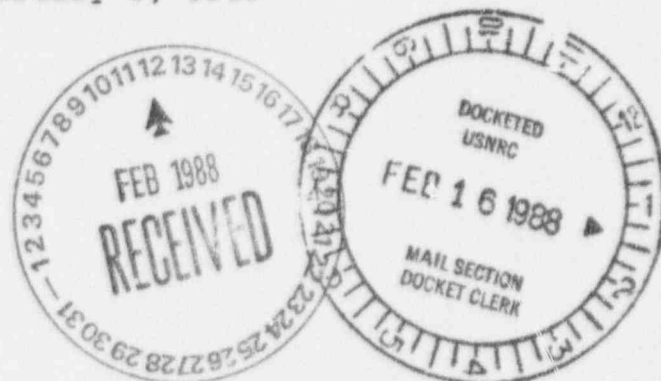


Mobil Coal Producing Inc.

40-~~8911~~
8909
P.O. BOX 17772
DENVER, COLORADO 80217

February 8, 1988

Mr. Gary Konwinski
Project Manager
U.S. Nuclear Regulatory Commission
Region IV
P.O. Box 25325
Denver, CO 80225



Crownpoint South Trend
Development Area, McKinley
Co., New Mexico: Plugging and
Abandonment of Wellfield

Dear Mr. Konwinski:

Mobil has elected to not pursue the in-situ leaching of uranium at the Crownpoint South Trend Development Area in McKinley County, New Mexico. Mobil proposes to plug and abandon 102 wells located in Section 15, 16, and 24, T17N, R13W in accordance with the New Mexico State Engineer's directives. None of the wells were used in conjunction with the Section 9 Pilot In-Situ Leach test and no leaching fluids were ever introduced into them. A copy of Mobil's plugging and abandonment procedures is attached.

If you have any questions regarding this matter, please call G.J. Lyons at (303)293-6452.

Very truly yours,

J.F. Cullen
Manager, Technical Services

em217

cc: John Andrews
U.S. Bureau of Land Management

Kevin Lambert
New Mexico Environmental Improvement Division

OFFICIAL DOCKET COPY

9609260251 BB0208
PDR ADOCK 04008909
C PDR

88-0509

Mobil Coal Producing Inc.

P.O. BOX 17772
DENVER, COLORADO 80217

February 5, 1988

Mr. Charles A. Wohlenberg
State of New Mexico
Office of the State Engineer
Suite 206, 2340 Menaul N.E.
Albuquerque, New Mexico 87101

Plugging and Abandonment
Program Crownpoint South Trend
Development Area, McKinley
County, New Mexico

Dear Mr. Wohlenberg:

It has recently been decided that Mobil will not pursue the in-situ leaching of uranium at the Crownpoint South Trend Development Area, McKinley County, New Mexico. Mobil proposes to plug and abandon 92 wells in the SOA1 well field located in Sections 15 and 16, T17N, R13W. In addition, eight water level observation wells, a large diameter well used for draw down tests, and a deep disposal test well located in this area will also be plugged. None of the above wells were used in conjunction with the Section 9 Pilot In-situ Leach test and no leaching fluids were ever introduced into them. Details of the wells can be found on the attached tables and their locations are shown on the four maps, also attached.

Mobil proposes to plug and abandon the wells as described below.

1. Install tubing in the well to a point several feet above TD.
2. Pump in three stages, neat cement slurry of not less than 15 lbs. per gallon weight filling the entire well from TD to surface.
3. Cut the casing off at a point three feet below the surface and backfill the pit with soil.
4. Clean up, recontouring, and reseedling of the well site.


Appendix 1, attached, describes the plugging procedure for the eight water level observation wells listed in Table 2.

Mr. Charles A. Wohlenberg
January 25, 1988
Page 2

With your concurrence, Mobil plans to implement this plugging program during February. The program is expected to take 6 to 8 weeks to complete.

If you have any questions regarding this matter, please call G.J. Lyons at (303)293-6452.

Very truly yours,



J.F. Cullen
Manager, Technical Services

em216

TABLE 1

CROWNPOINT SOA1 WELLFIELD

A. Monitor Wells - All Fiberglass Casing

Well	Reported TD	Casing Data	Well	Reported TD	Casing Data
15L5	2040	7.06"	16I23	2070	4.6"
15L7	2100	7.06"	16I51	2100	4.6"
15L17	2045	7.06"	16I81	2070	4.6"
15L17A	2070	4.6"	16P11	2040	4.6"
15L45	1985	7.06"	16P37	2070	4.6"
15L73	2040	4.6"	16P52	2040	4.6"
15L101	1682	4.6"	16P65	2040	4.6"
15M12	2070	4.6"	16P80	2020	4.6" 0-1850'
15M39	2040	4.6"			2.9" 1650-2020'
15M67	2040	4.6"	16P94	2070	4.6"
15M92	2040	4.6"	16P96	2070	4.6"
15M94	2010	4.6"	16P101	1770	4.6"
16I11	2100	4.6"	16P102	2040	4.6"

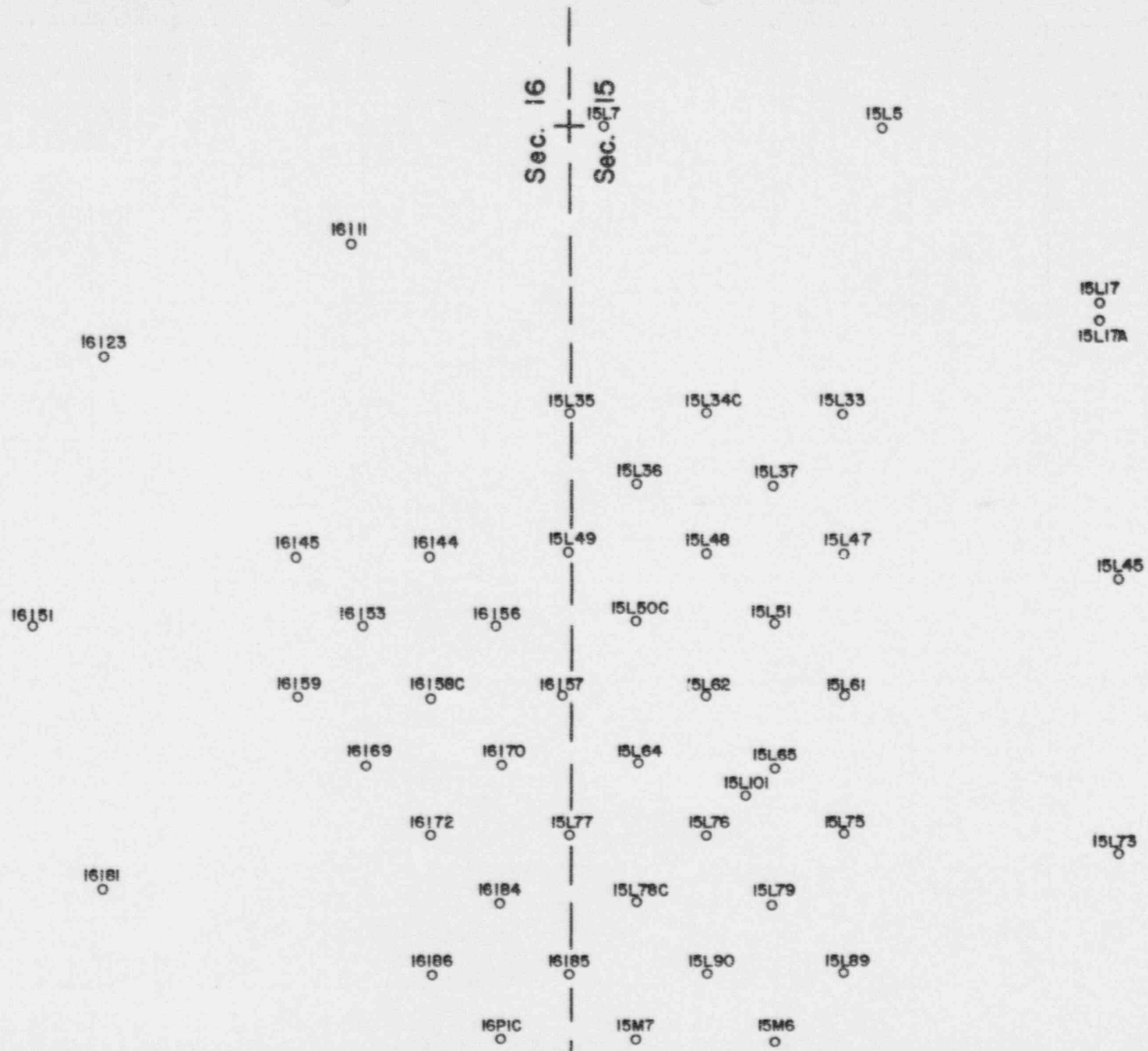
B. Pattern Wells - All Fiberglass Casing

Well	Reported TD	Casing Data	Well	Reported TD	Casing Data
15L33	2100	7.06"	15M35	2070	7.06"
15L34	2100	7.06"	15M36	2070	7.06" 0-1890'
15L35	2040	7.06"			4.6" 1727-2070'
15L36	2040	7.06"	15M37	2010	7.06"
15L37	2100	7.06"	15M49	2040	7.06"
15L47	2070	7.06"	15M51	2040	7.06"
15L48	2070	7.06"	15M63	2040	7.06"
15L49	2050	4.6"	15M64	2040	7.06"
15L50	2100	7.06"	15M65	2040	7.06"
15L51	2100	7.06"	16I44	2130	7.06"
15L61	2130	7.06"	16I45	2100	7.06"
15L62	2100	7.06"	16I53	2070	7.06"
15L64	2100	7.06"	16I56	2070	7.06"
15L65	2070	7.06"	16I57	2100	7.06"
15L75	2070	7.06"	16I58	2100	7.06"
15L76	1980	7.06"	16I59	2100	7.06"
15L77	2100	7.06"	16I69	2070	7.06"
15L78	2100	7.06"	16I70	2070	7.06"
15L79	2040	7.06"	16I72	2100	7.06"
15L89	2070	7.06"	16I84	2070	7.06"
15L90	2070	7.06" 0-1650'	16I85	2070	7.06"
		4.6" 1500-2070"	16I86	2070	7.06"
15M6	2100	7.06"	16P1	2070	7.06"
15M7	2130	7.06"	16P13	2040	7.06"
15M8	2070	7.06"	16P15	2010	7.06"
15M9	2070	7.06"	16P27	2070	7.06"
15M21	2070	7.06"	16P28	2040	7.06"
15M23	2070	7.06"	16P29	2040	7.06"

B. Pattern Wells - All Fiberglass Casing - (CONT'D)

Well	Reported TD	Casing Data	Well	Reported TD	Casing Data
16P41	2070	7.06"	16P57	2040	7.06"
16P43	2040	7.06"	16P58	2010	4.6"
16P44	2100	7.06"	16P59	2100	7.06"
16P53	2100	7.06"	16P67	2040	7.06"
16P54	2020	7.06"	16P68	2040	7.06"
16P55	2040	7.06"	16P69	1980	7.06"
16P56	2040	7.06"			

N



9609260251-01

0 200 400
FEET

Also Available on
Aperture Card
**ANSTEC
APERTURE
CARD**

16 15
21 22

MOBIL COAL PRODUCING, INC.
CROWNPOINT SOATM 1 WELLFIELD
SEC. 15 & 16, T17N, R13W
MC KINLEY CO., NEW MEXICO

16P37

16P65

16P52

16P80

16P94

16P102

16P53

16P67

16P59

16P54

16P66

16P44

16P58

16P27

16P41C

16P55

16P69

16P15

16P29

16P43

16P57C

16P101

16P28

15M36

16P56

15M54C

15M21

15M35

15M49

15M63

15M23

15M37

15M51

15M65

15M39

15M67

15M94

15M12

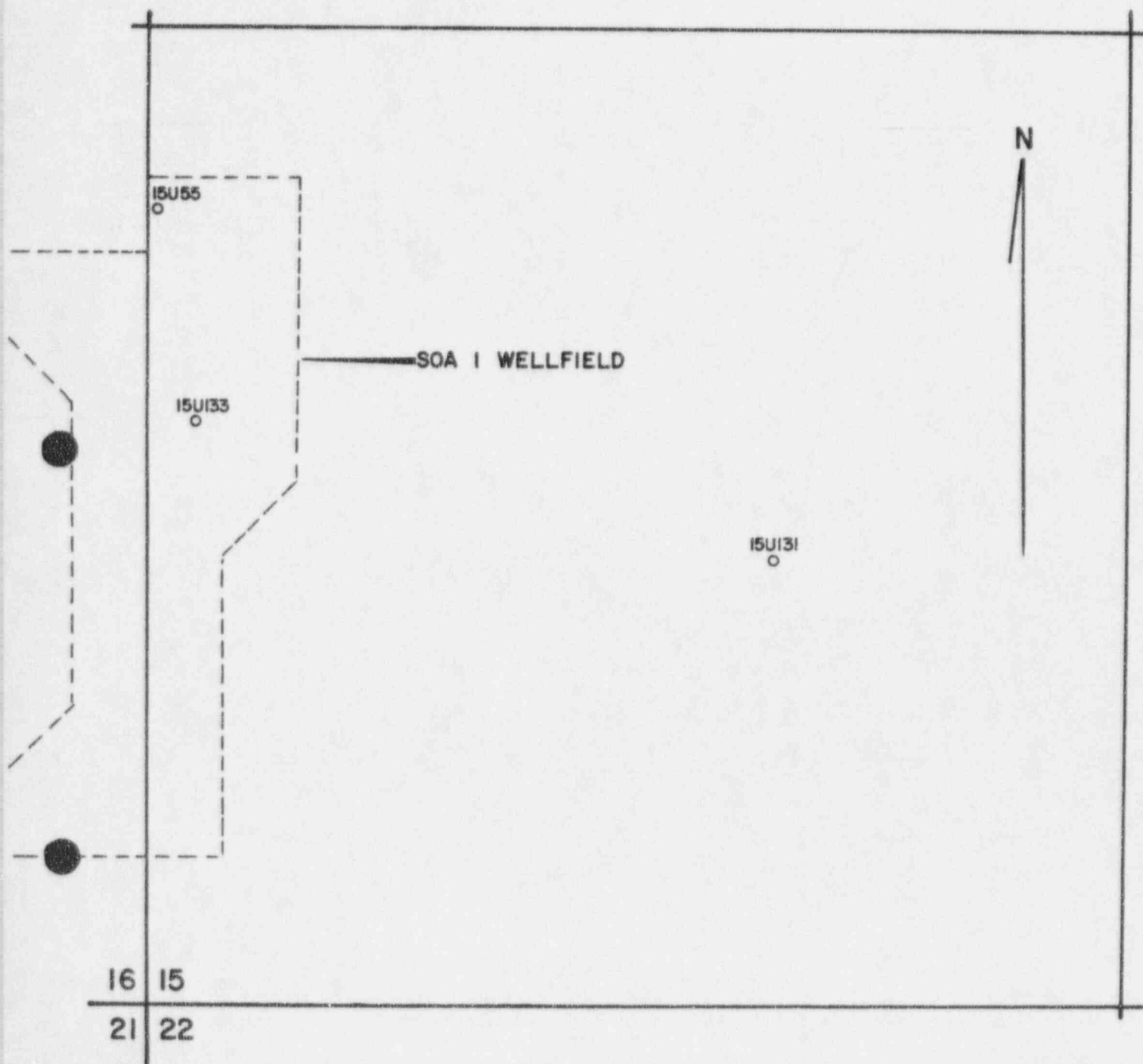
TABLE 2

CROWNPOINT WATER LEVEL OBSERVATION WELLS

Well	Reported TD	Casing Data		
17-13-15U55	2121	2 7/8"	6.5#	
15U131	2050	2 1/16"	3.25#	
15U133	2083	2 1/16"	3.25#	
16U162	2130	2 1/16"	3.25#	
16U203	2120	2 1/16"	3.25#	
16U218	2120	2 7/8"	6.5#	
16U224	2175	13 3/8"	54.5#	0-1875'
		6"	10#	1775-2175'
16U256	2080	2 7/8"	6.5#	
24U36	2070	2 7/8"	6.5#	

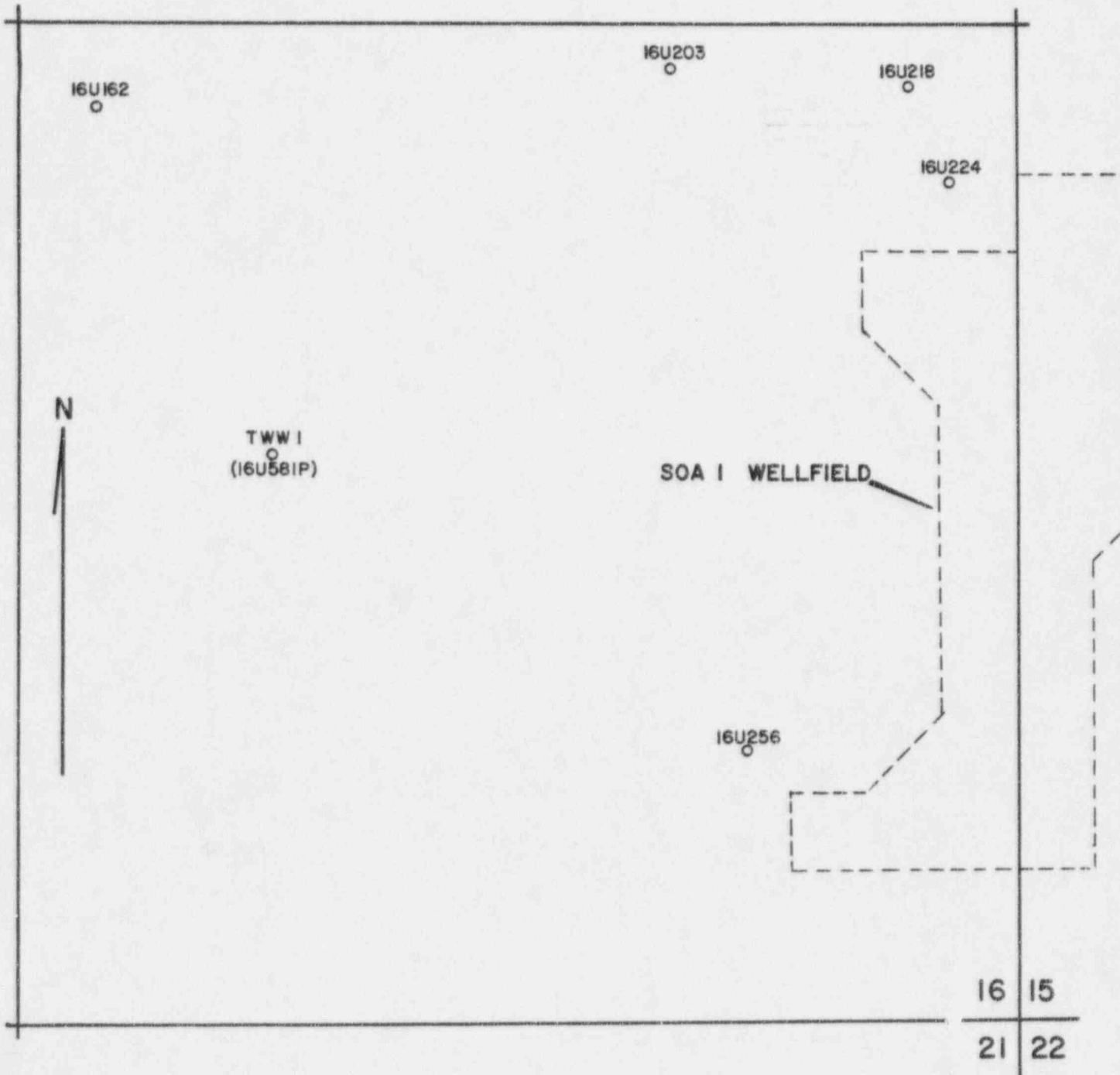
CROWNPOINT DEEP DISPOSAL WELL

Well	Reported TD	Casing Data		
TWW-1	5480	9 5/8"	32.3#	0-2753'
		7"	23#	2402-5480'



0 400 800
FEET

MOBIL COAL PRODUCING, INC.
CROWNPOINT PROJECT
SW/4 SEC 15, T17N, R13W
MC KINLEY CO., NEW MEXICO



MOBIL COAL PRODUCING, INC.
CROWNPOINT PROJECT
SE/4 SEC 16, T17N, R13W
MC KINLEY CO., NEW MEXICO

24U36

N

23 24

26 25

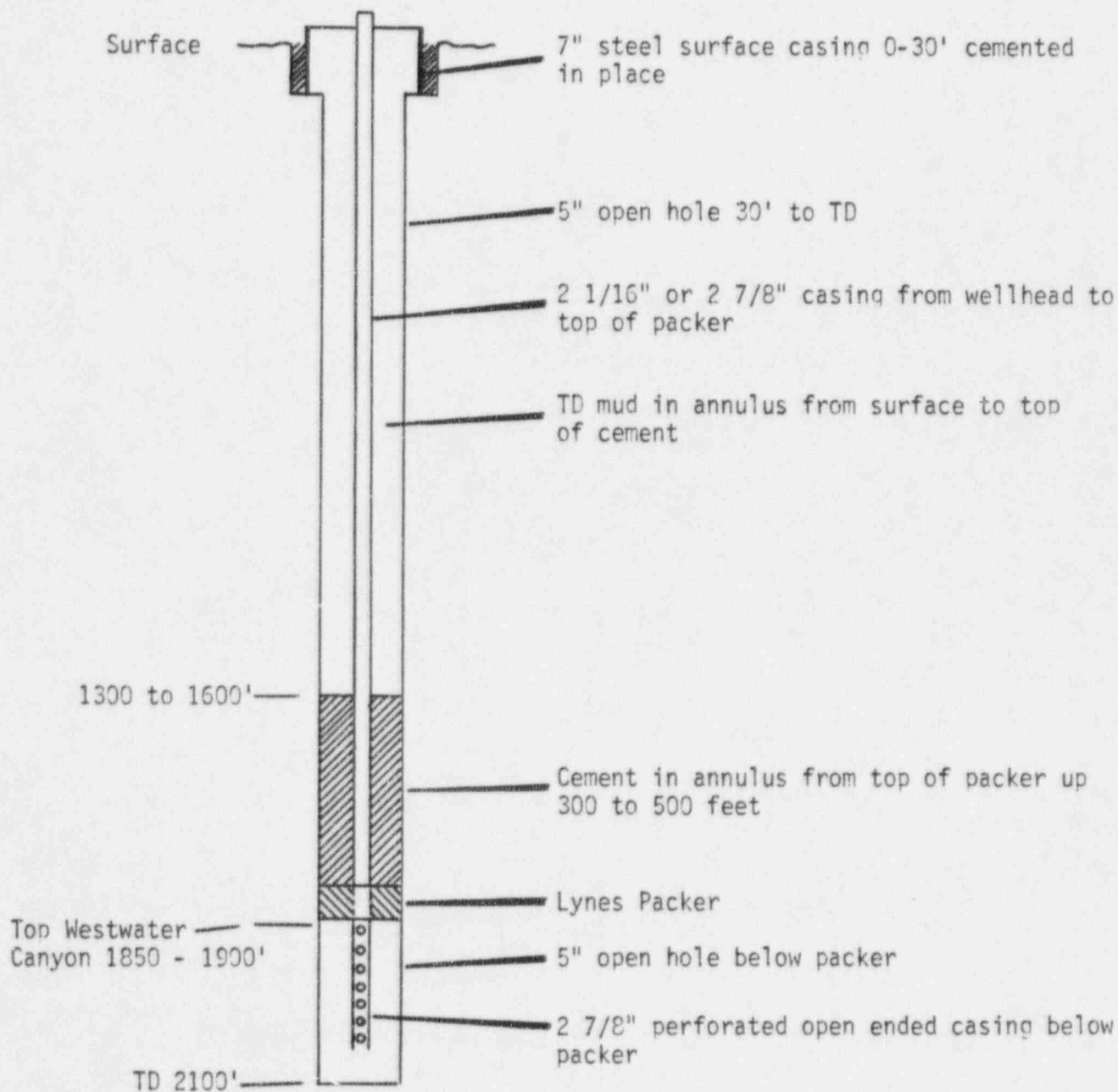
0 400 800
FEET

MOBIL COAL PRODUCING, INC.
CROWNPOINT PROJECT
SW/4 SEC 24, T17N, R13W
MC KINLEY CO., NEW MEXICO

APPENDIX 1

PLUGGING PROCEDURES FOR SMALL DIAMETER WELLS

Eight wells listed on Table 2 are cased with either 2 1/16 or 2 7/8 inch casing. A representative diagram of well construction is shown below. The drawing is not to scale.



The following method of plug and abandonment for these wells will be undertaken.

1. Pump water down the casing to determine that the open hole below the packer will take water and to verify the integrity of the casing above the cement in the annulus.
2. Free point the casing to determine the depth of top of cement in the annulus.
3. Pump the proper amount of neat cement slurry down the casing to fill the open hole below the packer and the casing up to free point depth.
4. Displace the cement slurry down to free point depth by pumping the proper quantity of water.
5. Shut in the well for 12 hours to allow slurry to set.
6. Shoot off casing at free point depth and establish circulation.
7. Cement the well shut from shoot off point to the surface. Wells with 2 7/8" casing will have the casing withdrawn from the well. In wells with 2 1/16" casing, the casing will probably be left in the hole.
8. Cut off well head three feet below the ground surface, backfill the pit and clean up the location.