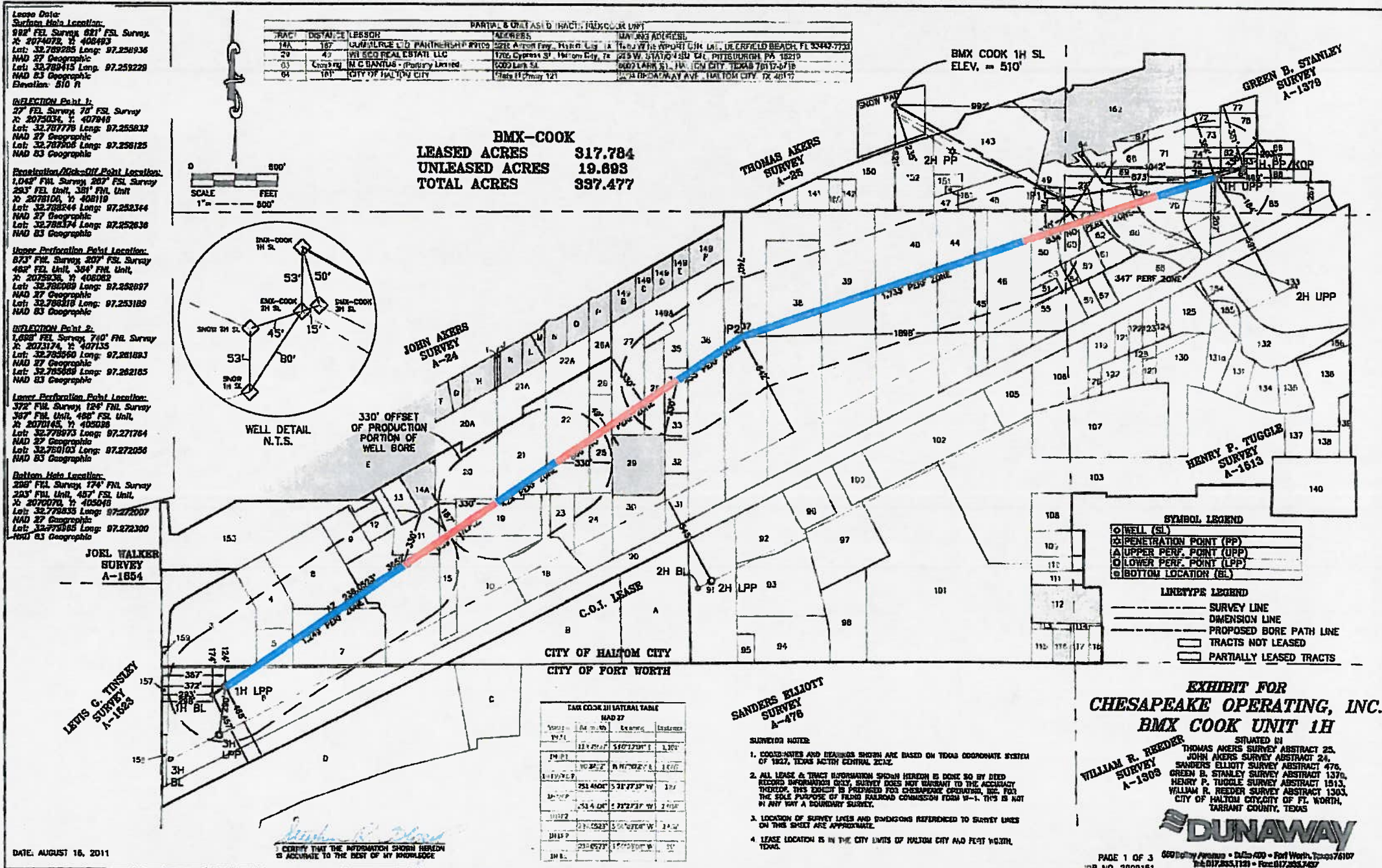


PFD APPENDIX 1



PFD APPENDIX 2

Lease Data
Surface Hole Location:
 882' FSL Survey, 621' FSL Survey,
 N 2074078, Y 408493
 Lot: 32,785285 Long: 87,238936
 NAD 27 Geographic
 Lot: 32,785115 Long: 87,238229
 NAD 83 Geographic
 Elevation: 510 ft

Injection Point 1:
 27' FSL Survey, 78' FSL Survey
 N 2073334, Y 407846
 Lot: 32,787778 Long: 87,238832
 NAD 27 Geographic
 Lot: 32,787806 Long: 87,236125
 NAD 83 Geographic

Penetration Point - Off Point Location:
 1,045' FSL Survey, 257' FSL Survey
 583' FSL Unit, 351' FSL Unit
 N 2073106, Y 408115
 Lot: 32,785244 Long: 87,238344
 NAD 27 Geographic
 Lot: 32,785374 Long: 87,238338
 NAD 83 Geographic

Upper Perforation Point Location:
 673' FSL Survey, 207' FSL Survey
 493' FSL Unit, 384' FSL Unit,
 N 2075836, Y 408062
 Lot: 32,788068 Long: 87,232867
 NAD 27 Geographic
 Lot: 32,788218 Long: 87,233189
 NAD 83 Geographic

Injection Point 2:
 1,885' FSL Survey, 740' FSL Survey
 N 2073174, Y 407135
 Lot: 32,785060 Long: 87,281893
 NAD 27 Geographic
 Lot: 32,785688 Long: 87,282165
 NAD 83 Geographic

Lower Perforation Point Location:
 322' FSL Survey, 124' FSL Survey
 387' FSL Unit, 456' FSL Unit,
 N 2070445, Y 405096
 Lot: 32,779973 Long: 87,271764
 NAD 27 Geographic
 Lot: 32,780103 Long: 87,272056
 NAD 83 Geographic

Bottom Hole Location:
 394' FSL Survey, 174' FSL Survey
 293' FSL Unit, 457' FSL Unit,
 N 2070070, Y 406048
 Lot: 32,779838 Long: 87,272007
 NAD 27 Geographic
 Lot: 32,779865 Long: 87,272300
 NAD 83 Geographic

**JOEL WALKER
 SURVEY
 A-1854**

**LEWIS G. TINSLEY
 SURVEY
 A-1863**

NOTE:

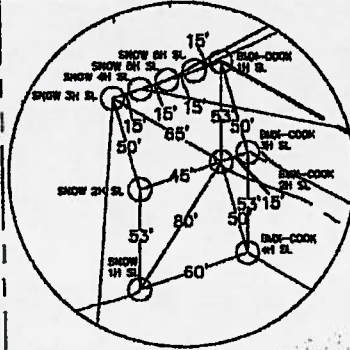
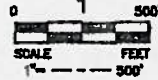
PZ = PERFORATION ZONE
 NPZ = NO PERFORATION ZONE

BMX COOK 1H HAS A 6,568 FEET
 TOTAL LATERAL OF PERFORATION.

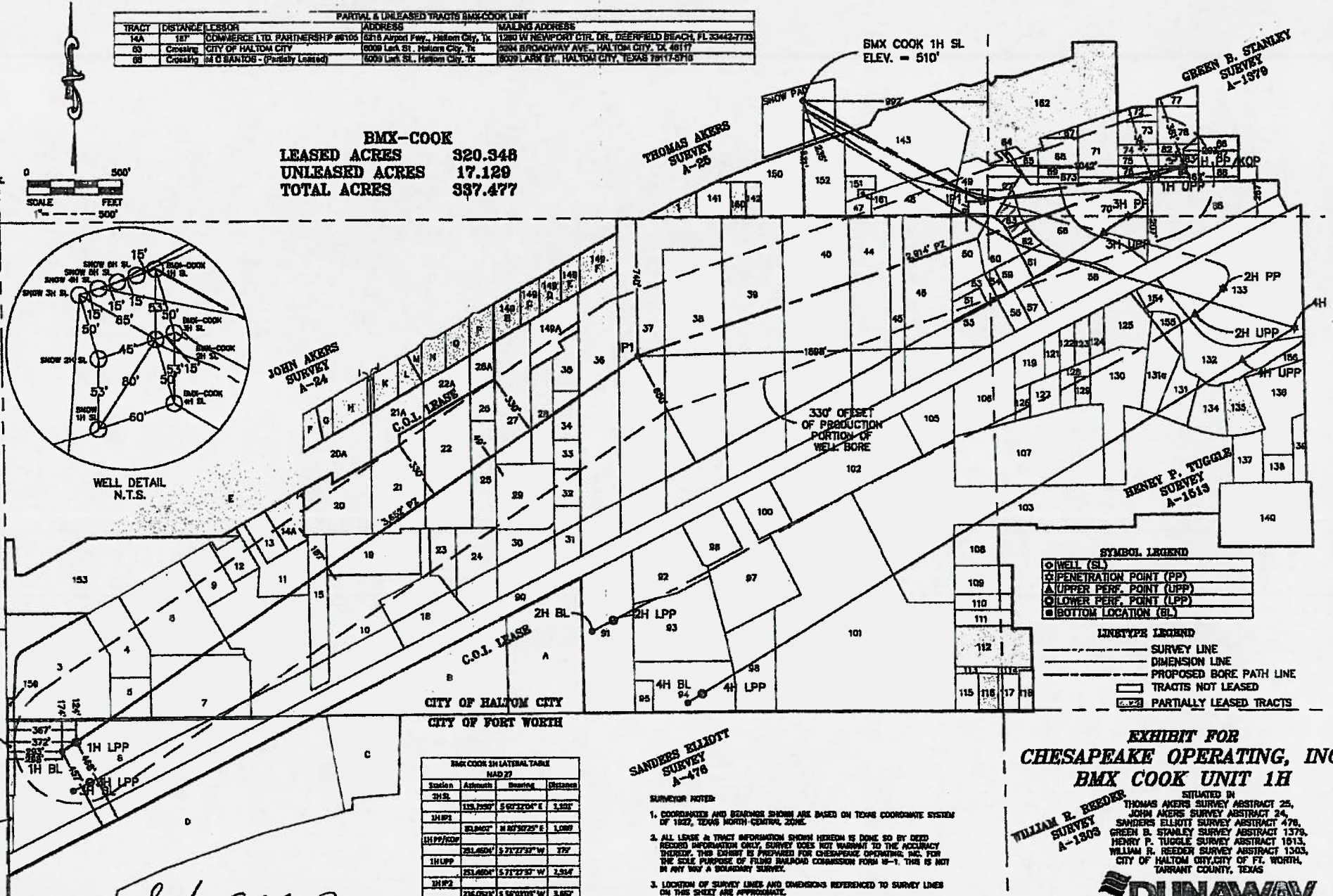
DATE: MARCH 20, 2012

TRACT	DISTANCE	LESSOR	ADDRESS	MAILING ADDRESS
14A	18"	COMMERCE LTD. PARTNERSHIP #8105	6315 Airport Fwy., Haltom City, TX	1280 W NEWPORT CTR. DR., DEERFIELD BEACH, FL 33442-7720
63	Crossing	CITY OF HALTOM CITY	6008 Lark St., Haltom City, TX	2004 BROADWAY AVE., HALTOM CITY, TX 48117
68	Crossing	14 D SANTOS - (Partially Leased)	6009 Lark St., Haltom City, TX	6009 LARK ST., HALTOM CITY, TEXAS 76117-5716

BMX-COOK
LEASED ACRES 320.348
UNLEASED ACRES 17.129
TOTAL ACRES 337.477



WELL DETAIL
 N.T.S.



Station	Asimuth	Bearing	Distance
1H SL	119.7000°	S 69°24'00" E	1.501'
1H PP	81.8000°	N 87°30'25" E	1.089'
1H PP/PP	251.4504°	S 71°27'37" W	77'
1H LPP	251.4504°	S 71°27'37" W	7.934'
1H PZ	216.0823°	S 56°03'05" W	3.652'
1H LPP	216.0823°	S 56°03'05" W	3.652'
1H BL	216.0823°	S 56°03'05" W	57'

**SANDERS ELLIOTT
 SURVEY
 A-478**

SURVEYOR NOTES:

- COORDINATES AND BEARINGS SHOWN ARE BASED ON TEXAS COORDINATE SYSTEM OF 1927, TEXAS NORTH CENTRAL ZONE.
- ALL LEASE & TRACT INFORMATION SHOWN HEREON IS DONE SO BY DEED RECORD INFORMATION ONLY. SURVEY DOES NOT WARRANT TO THE ACCURACY THEREOF. THIS EXHIBIT IS PREPARED FOR CHESAPEAKE OPERATING, INC. FOR THE SCALE PURPOSE OF FILING RAILROAD COMMISSION FORM 15-1. THIS IS NOT IN ANY WAY A BOUNDARY SURVEY.
- LOCATION OF SURVEY LINES AND DIMENSIONS REFERENCED TO SURVEY LINES ON THIS SHEET ARE APPROXIMATE.
- LEASE LOCATION IS IN THE CITY LIMITS OF HALTOM CITY AND FORT WORTH, TEXAS.

**EXHIBIT FOR
 CHESAPEAKE OPERATING, INC.
 BMX COOK UNIT 1H**

**WILLIAM R. REEDER
 SURVEY
 A-1305**

SITUATED IN
 THOMAS AKERS SURVEY ABSTRACT 25,
 JOHN AKERS SURVEY ABSTRACT 24,
 SANDERS ELLIOTT SURVEY ABSTRACT 478,
 GREEN B. STANLEY SURVEY ABSTRACT 1578,
 HENRY P. TUGGLE SURVEY ABSTRACT 1513,
 WILLIAM R. REEDER SURVEY ABSTRACT 1305,
 CITY OF HALTOM CITY, CITY OF FT. WORTH,
 TARRANT COUNTY, TEXAS

DUNAWAY