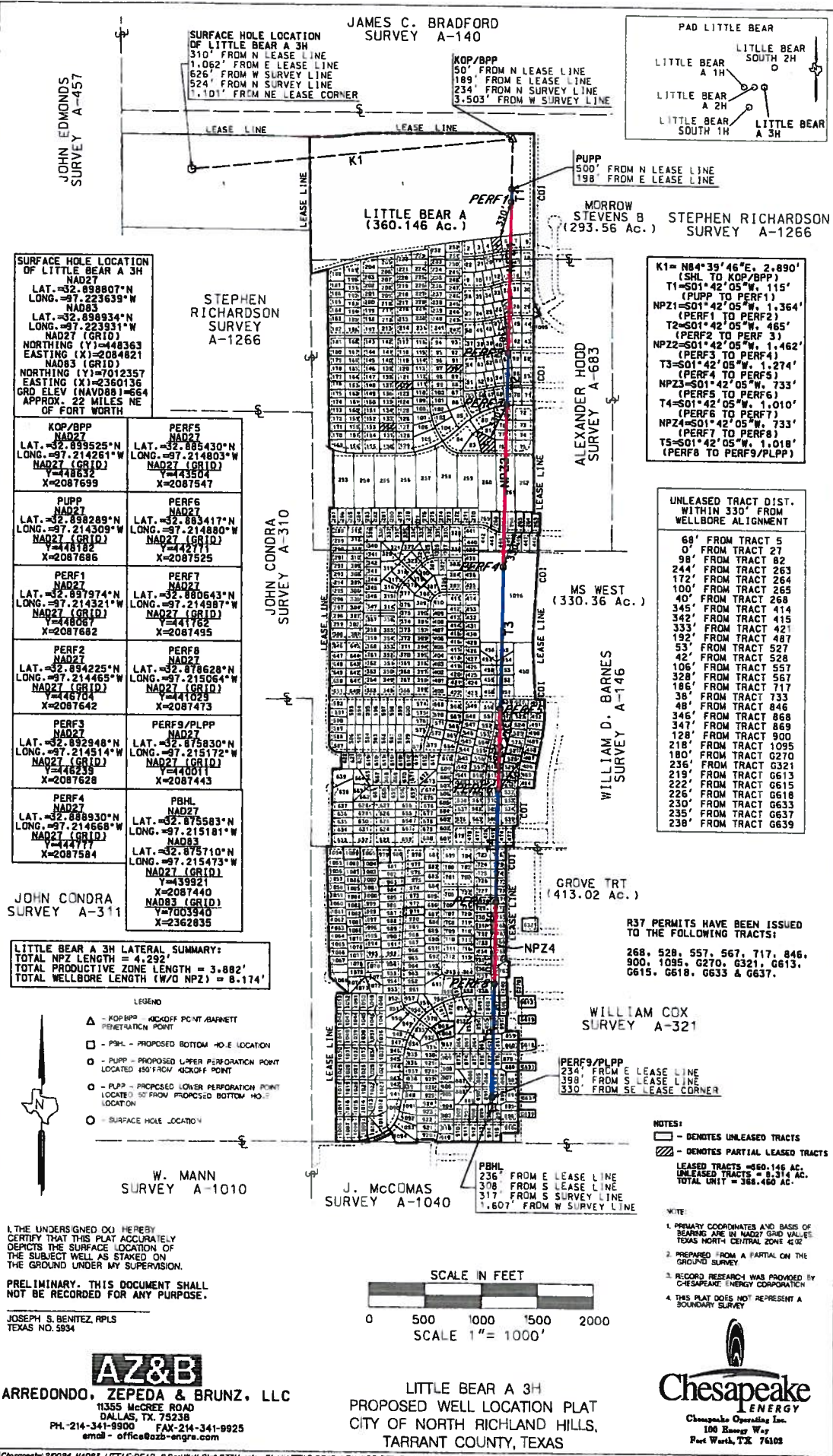


TRACT 6639 LISTED ON MAP HE-MORE PLAT

REVISION NO. 1 28 MARCH 2013



SURFACE HOLE LOCATION OF LITTLE BEAR A 3H
LAT. = 32.898807°N
LONG. = 97.223639°W
NAD83
LAT. = 32.898934°N
LONG. = 97.223931°W
NAD27 (GR10)
NORTHING (Y) = 448363
EASTING (X) = 2084821
NAD83 (GR10)
NORTHING (Y) = 7012357
EASTING (X) = 2360136
GRD ELEV (NAVD88) = 664
APPROX. 22 MILES NE OF FORT WORTH

KOP/BPP NAD27 LAT. = 32.899525°N LONG. = 97.214261°W NAD27 (GR10) Y = 448182 X = 2087699	PERF5 NAD27 LAT. = 32.885430°N LONG. = 97.214803°W NAD27 (GR10) Y = 447364 X = 2087547
PUPP NAD27 LAT. = 32.898289°N LONG. = 97.214309°W NAD27 (GR10) Y = 448182 X = 2087699	PERF6 NAD27 LAT. = 32.883417°N LONG. = 97.214880°W NAD27 (GR10) Y = 442771 X = 2087525
PERF1 NAD27 LAT. = 32.897974°N LONG. = 97.214321°W NAD27 (GR10) Y = 448067 X = 2087682	PERF7 NAD27 LAT. = 32.880643°N LONG. = 97.214987°W NAD27 (GR10) Y = 441762 X = 2087495
PERF2 NAD27 LAT. = 32.894225°N LONG. = 97.214465°W NAD27 (GR10) Y = 446704 X = 2087642	PERF8 NAD27 LAT. = 32.878628°N LONG. = 97.215064°W NAD27 (GR10) Y = 441029 X = 2087473
PERF3 NAD27 LAT. = 32.892848°N LONG. = 97.214544°W NAD27 (GR10) Y = 446239 X = 2087628	PERF9/PLPP NAD27 LAT. = 32.875830°N LONG. = 97.215172°W NAD27 (GR10) Y = 440011 X = 2087443
PERF4 NAD27 LAT. = 32.888930°N LONG. = 97.214658°W NAD27 (GR10) Y = 444777 X = 2087584	PBHL NAD27 LAT. = 32.875583°N LONG. = 97.215181°W NAD83 LAT. = 32.875710°N LONG. = 97.215473°W NAD27 (GR10) Y = 439921 X = 2087440 NAD83 (GR10) Y = 7003940 X = 2362835

LITTLE BEAR A 3H LATERAL SUMMARY:
TOTAL NPZ LENGTH = 4.292'
TOTAL PRODUCTIVE ZONE LENGTH = 3.882'
TOTAL WELLBORE LENGTH (W/O NPZ) = 8.174'

LEGEND
▲ - KOP/BPP - KICKOFF POINT/ABNORTH PENETRATION POINT
□ - PBHL - PROPOSED BOTTOM HOLE LOCATION
○ - PUPP - PROPOSED UPPER PERFORATION POINT LOCATED 150' FROM KICKOFF POINT
○ - PUPP - PROPOSED LOWER PERFORATION POINT LOCATED 50' FROM PROPOSED BOTTOM HOLE LOCATION
○ - SURFACE HOLE LOCATION

W. MANN SURVEY A-1010
J. MCCOMAS SURVEY A-1040

I, THE UNDERSIGNED DO HEREBY CERTIFY THAT THIS PLAT ACCURATELY DEPICTS THE SURFACE LOCATION OF THE SUBJECT WELL AS STAKED ON THE GROUND UNDER MY SUPERVISION.
PRELIMINARY. THIS DOCUMENT SHALL NOT BE RECORDED FOR ANY PURPOSE.

JOSEPH S. BENITEZ, RPLS
TEXAS NO. 5894

AZ&B
ARREDONDO, ZEPEDA & BRUNZ, LLC
11355 MACREE ROAD
DALLAS, TX 75238
PH. 214-341-8900 FAX 214-341-9925
email: office@azb-engr.com

JAMES C. BRADFORD SURVEY A-140

PAD LITTLE BEAR
LITTLE BEAR SOUTH 2H
LITTLE BEAR A 1H
LITTLE BEAR A 2H
LITTLE BEAR SOUTH 1H
LITTLE BEAR A 3H

PUPP
500' FROM N LEASE LINE
198' FROM E LEASE LINE

MORROW STEVENS B (293.56 Ac.)
STEPHEN RICHARDSON SURVEY A-1266

K1 = N84°39'46"E, 2.890'
(SHL TO KOP/BPP)
T1 = S01°42'05"W, 115'
(PUPP TO PERF1)
NP21 = S01°42'05"W, 1.364'
(PERF1 TO PERF2)
T2 = S01°42'05"W, 465'
(PERF2 TO PERF3)
NP22 = S01°42'05"W, 1.462'
(PERF3 TO PERF4)
T3 = S01°42'05"W, 1.274'
(PERF4 TO PERF5)
NP23 = S01°42'05"W, 733'
(PERF5 TO PERF6)
T4 = S01°42'05"W, 1.010'
(PERF6 TO PERF7)
NP24 = S01°42'05"W, 733'
(PERF7 TO PERF8)
T5 = S01°42'05"W, 1.018'
(PERF8 TO PERF9/PLPP)

UNLEASED TRACT DIST. WITHIN 330' FROM WELLBORE ALIGNMENT
68' FROM TRACT 5
0' FROM TRACT 27
98' FROM TRACT 82
244' FROM TRACT 263
172' FROM TRACT 264
100' FROM TRACT 265
40' FROM TRACT 268
345' FROM TRACT 414
342' FROM TRACT 415
333' FROM TRACT 421
192' FROM TRACT 487
53' FROM TRACT 527
42' FROM TRACT 528
106' FROM TRACT 557
328' FROM TRACT 567
186' FROM TRACT 717
38' FROM TRACT 733
48' FROM TRACT 846
345' FROM TRACT 868
347' FROM TRACT 869
128' FROM TRACT 900
218' FROM TRACT 1095
180' FROM TRACT G270
236' FROM TRACT G321
219' FROM TRACT G613
222' FROM TRACT G615
226' FROM TRACT G618
230' FROM TRACT G633
235' FROM TRACT G637
238' FROM TRACT G639

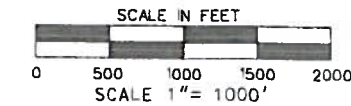
R37 PERMITS HAVE BEEN ISSUED TO THE FOLLOWING TRACTS:
268, 528, 557, 567, 717, 846, 900, 1095, G270, G321, G613, G615, G618, G633 & G637.

WILLIAM COX SURVEY A-321

PERF9/PLPP
234' FROM E LEASE LINE
339' FROM S LEASE LINE
330' FROM SE LEASE CORNER

NOTES:
- DENOTES UNLEASED TRACTS
- DENOTES PARTIAL LEASED TRACTS
LEASED TRACTS = 550.146 AC.
UNLEASED TRACTS = 8.174 AC.
TOTAL UNIT = 368.460 AC.

NOTE:
1. PRIMARY COORDINATES AND BASES OF BEARING ARE IN NAD83 GRID VALUES TEXAS NORTH CENTRAL ZONE 4102
2. PREPARED FROM A PARTIAL ON THE GROUND SURVEY
3. RECORD RESEARCH WAS PROVIDED BY CHESAPEAKE ENERGY CORPORATION
4. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY



Chesapeake ENERGY
Chesapeake Operating, Inc.
100 Ross Way
Fort Worth, TX 76102

LITTLE BEAR A 3H
PROPOSED WELL LOCATION PLAT
CITY OF NORTH RICHLAND HILLS,
TARRANT COUNTY, TEXAS

S: Chesapeake 20024_MAD83_LITTLE BEAR A 3H NPZ R37 E-MH-Plat-2dgm

Exhibit No. 17
CHESAPEAKE OPERATING, INC.
Rule 37 Case No. 0279993
April 3, 2013