PERMIT FOR GAS DRILLING AND PRODUCTION

The City of Arlington hereby issues permission to conduct gas drilling and completion activities associated with the well(s) identified below.

This Gas Well Permit shall be posted in a conspicuous place on the drill site and shall not be removed without prior permission of the Gas Well Inspector. This permit shall be presented to the Inspector or any City official upon request. The terms and provisions of the "Gas Drilling and Production" Chapter of the Code of the City of Arlington, as amended, are incorporated into this Gas Well Permit as if written word for word herein and shall be considered terms and conditions of this Permit. Gas Well Permits are issued pursuant to the "Gas Drilling and Production" Chapter, as amended, and the approving zoning case, gas well resolution, and any associated stipulations made by City Council or the Inspector in accordance with City Code.

Permit Issued to:

Operator Chesapeake Operating, Inc

Agent to Receive Notice Dusty Anderson

Mailing Address 100 Energy Way

City Fort Worth State Texas Zip 76102 -

Work Phone (817) 502-5645 Mobile Phone (817) 718-6403 E-mail dusty.anderson@chk.com

Well Name(s): Villages of Fairfield 1H @ Landing Drill Site

Drill Site Name: William Lacy Survey, A 929 Lot/Tract 5

Address: 500 East IH 20, Tarrant County, Arlington, Texas

Parcel and Production Unit: Villages of Fairfield Unit

RRC Permit Number: 690375

Well API Number: 42-439-34795

Comments:
Water plan has been updated - one - four-inch meter @ 800 gpm max.
Permit issued 8-19-2011 Expires 2-15-2012

Fee	Receipt or Check No	Gas Well Permit No(s)	CC approval date
$14,500.00	134175	GW11-42	8-16-2011

Building Official

8/19/2011
Date

Separate permits from the Community Development and Planning Department are required for building, mechanical, electrical, fire, concrete, walls/fencing, and plumbing.

The issuance of this permit shall not be construed as a permit to violate any provision of the Code of the City of Arlington, Texas or the previously approved requirements and associated site plan identified in Zoning Case SUP07-17 approved 03/18/2008 and Gas Well Resolution 11-309 approved 8-16-2011.

Dusty Anderson
Operator's Signature

5/19/11
Date

Dusty Anderson
Printed Name

Note: Submit an electronic, color copy of a completed permit that is signed and notarized by the operator. Once issued, an electronic copy will be returned to the Operator. Page 3, Permit Stipulations, will be added at time of permit issuance.

INDEMNIFICATION AND EXPRESS NEGLIGENCE PROVISIONS:

Each gas well permit issued by the inspector shall include the following language:

OPERATOR DOES HEREBY EXPRESSLY RELEASE AND DISCHARGE, ALL CLAIMS, DEMANDS, ACTIONS, JUDGMENTS, AND EXECUTIONS WHICH IT EVER HAD, OR NOW HAS OR MAY HAVE, OR ASSIGNS MAY HAVE, OR CLAIM TO HAVE, AGAINST THE CITY OF ARLINGTON, AND/OR ITS DEPARTMENTS, AGENTS, OFFICERS, SERVANTS, SUCCESSORS, ASSIGNS, SPONSORS, VOLUNTEERS, OR EMPLOYEES, CREATED BY, OR ARISING OUT OF PERSONAL INJURIES, KNOWN OR UNKNOWN, AND INJURIES TO PROPERTY, REAL OR PERSONAL, OR IN ANY WAY INCIDENTAL TO OR IN CONNECTION WITH THE PERFORMANCE OF THE WORK PERFORMED BY THE OPERATOR UNDER A GAS WELL PERMIT. THE OPERATOR SHALL FULLY DEFEND, PROTECT, INDEMNIFY, AND HOLD HARMLESS THE CITY OF ARLINGTON, TEXAS, ITS DEPARTMENTS, AGENTS, OFFICERS, SERVANTS, EMPLOYEES, SUCCESSORS, ASSIGNS, SPONSORS, OR VOLUNTEERS FROM AND AGAINST EACH AND EVERY CLAIM, DEMAND, OR CAUSE OF ACTION AND ANY AND ALL LIABILITY, DAMAGES, OBLIGATIONS, JUDGMENTS, LOSSES, FINES, PENALTIES, COSTS, FEES, AND EXPENSES INCURRED IN DEFENSE OF THE CITY OF ARLINGTON, TEXAS, ITS DEPARTMENTS, AGENTS, OFFICERS, SERVANTS, OR EMPLOYEES, INCLUDING, WITHOUT LIMITATION, PERSONAL INJURIES AND DEATH IN CONNECTION THEREWITH WHICH MAY BE MADE OR ASSERTED BY OPERATOR, ITS AGENTS, ASSIGNS, OR ANY THIRD PARTIES ON ACCOUNT OF, ARISING OUT OF, OR IN ANY WAY INCIDENTAL TO OR IN CONNECTION WITH THE PERFORMANCE OF THE WORK PERFORMED BY THE OPERATOR UNDER A GAS WELL PERMIT. THE OPERATOR AGREES TO INDEMNIFY AND HOLD HARMLESS THE CITY OF ARLINGTON, TEXAS, ITS DEPARTMENTS, ITS OFFICERS, AGENTS, SERVANTS, EMPLOYEES, SUCCESSORS, ASSIGNS, SPONSORS, OR VOLUNTEERS FROM ANY LIABILITIES OR DAMAGES SUFFERED AS A RESULT OF CLAIMS, DEMANDS, COSTS, OR JUDGMENTS AGAINST THE CITY, ITS DEPARTMENTS, ITS OFFICERS, AGENTS, SERVANTS, OR EMPLOYEES, CREATED BY, OR ARISING OUT OF THE ACTS OR OMISSIONS OF THE CITY OF ARLINGTON OCCURRING ON THE DRILL SITE OR OPERATION SITE IN THE COURSE AND SCOPE OF INSPECTING AND PERMITTING THE GAS WELLS INCLUDING, BUT NOT LIMITED TO, CLAIMS AND DAMAGES ARISING IN WHOLE OR IN PART FROM THE NEGLIGENCE OF THE CITY OF ARLINGTON OCCURRING ON THE DRILL SITE OR OPERATION SITE IN THE COURSE AND SCOPE OF INSPECTING AND PERMITTING THE GAS WELLS. IT IS UNDERSTOOD AND AGREED THAT THE INDEMNITY PROVIDED FOR IN THIS SECTION IS AN INDEMNITY EXTENDED BY THE OPERATOR TO INDEMNIFY AND PROTECT THE CITY OF ARLINGTON, TEXAS AND/OR ITS DEPARTMENTS, AGENTS, OFFICERS, SERVANTS, OR EMPLOYEES FROM THE CONSEQUENCES OF THE NEGLIGENCE OF THE CITY OF ARLINGTON, TEXAS AND/OR ITS DEPARTMENTS, AGENTS, OFFICERS, SERVANTS, OR EMPLOYEES, WHETHER THAT NEGLIGENCE IS THE SOLE OR CONTRIBUTING CAUSE OF THE RESULTANT INJURY, DEATH, AND/OR DAMAGE.

Dusty Anderson
Operator's Signature

5/19/11
Date

Dusty Anderson
Printed Name

BEFORE ME, the undersigned authority, a Notary Public in and for the State of Texas, on this day personally appeared Dusty Anderson, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed same for the purposes and consideration therein expressed as the act and deed of Chesapeake Operating, and in the capacity therein stated.

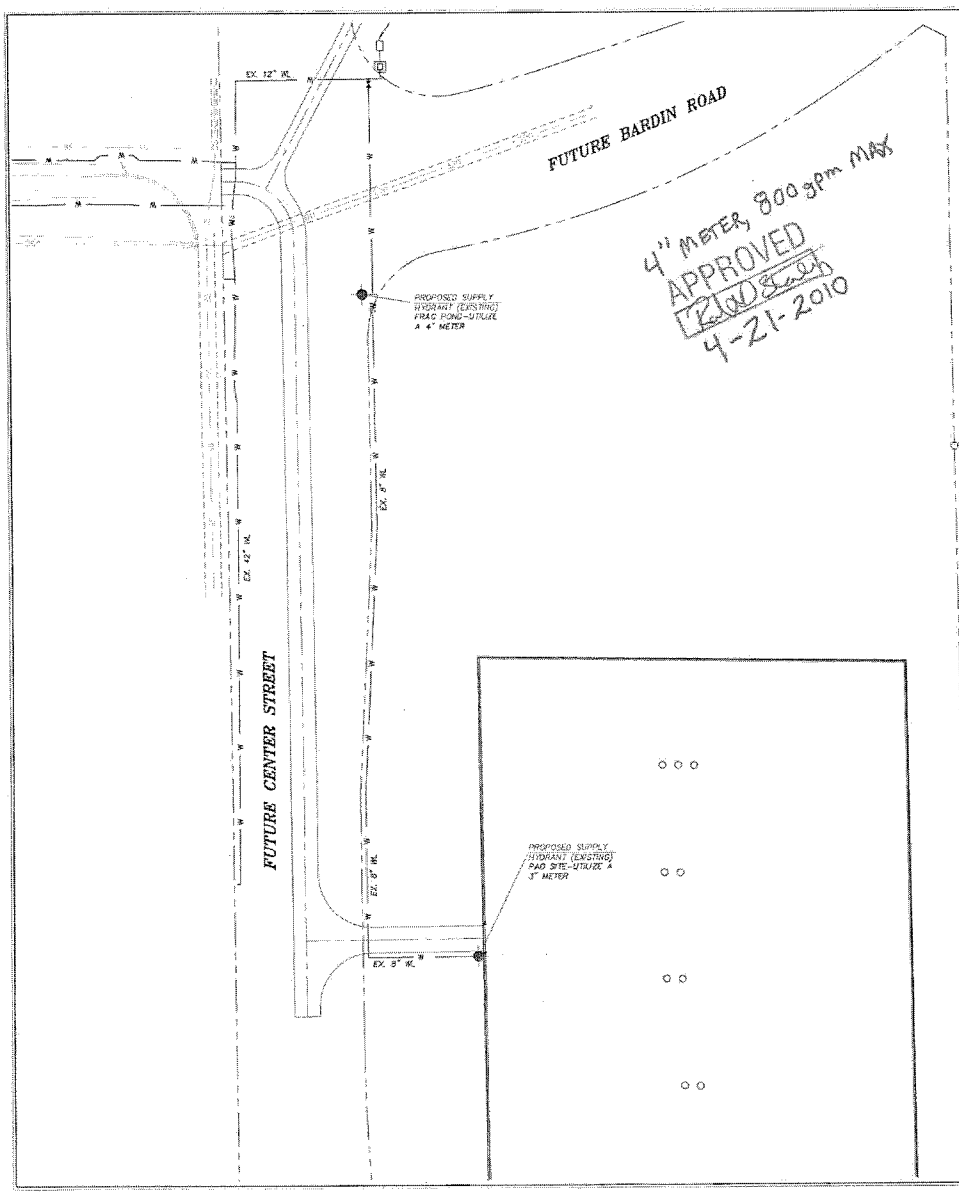
GIVEN UNDER MY HAND AND SEAL OF OFFICE this the 19th day of May, 2011.

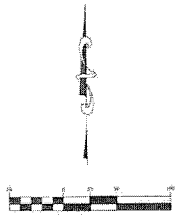
ELLEN PIERCE NOTARY PUBLIC STATE OF TEXAS EXPIRES NOVEMBER 12, 2014

(seal)

Ellen Pierce
Notary Public In and For The State of Texas

My Commission Expires: 11/12/14

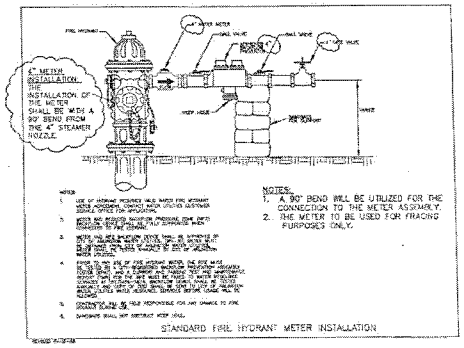




VICINITY MAP
NTS

NOTES:

1. SPECIFIC SOURCE OF WATER TO BE USED FOR DRILLING AND FRACING ACTIVITY WILL BE THE EXISITNG FRAC POND AND PROPOSED SUPPLY HYDRANT.
2. WITHDRAWAL FROM THE PUBLIC WATER SUPPLY SHALL BE LIMITED SO AS NOT TO EXCEED A MAXIMUM RATE OF 800 GALLONS PER MINUTE AT THE SPECIFIC SUPPLY HYDRANT INDENTIFIED ON THIS DRAWING.
3. DRILLING AND FRACING ACTIVITIES SHALL COMMENCE IN APRIL OF 2010.
4. THE APPROXIMATE VOLUME OF WATER TO BE UTILIZED PER WELL IS 4.5 MILLION GALLONS.
5. IT IS PROHIBITED TO USE THE METER ISSUED FOR USE ON THE SPECIFIC HYDRANT IDENTIFIED ON THIS DRAWING AT ANY OTHER LOCATION WITHOUT PRIOR APPROVAL BY THE CITY OF ARLINGTON.
6. FIRE HYDRANT METER SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF ARLINGTON STANDARD FIRE HYDRANT INSTALLATION DETAIL DRAWING, EXCEPT USE THE 4" STEAMER NOZZEL.
7. CONTRACTOR INSTALLING THE 4" WATER METER ASSEMBLY AND WITHDRAWING WATER FROM THE HYDRANT SHALL ENSURE THE MAXIMUM WITHDRAWAL RATE IS NOT EXCEEDED.
8. PRIOR TO METER ASSEMBLY INSTALLATION, TESTING OF THE RPZ SHALL BE PERFORMED BY A CITY OF ARLINGTON APRROVED TESTING FACILITY AND APPROPRIATE DOCUMENTATION SUBMITTED TO ARLINGTON WATER RESOURCE SERVICES PERSONNEL AT 200 NORTH COOPER STREET (817) 459-5900.
9. PRIOR TO METER ASSEMBLY INSTALLATION, THE 4-INCH HYDRANT METER SHALL BE CALIBRATED AND APPROPRIATE DOCUMENTATION SUBMITTED TO ARLINGTON METER SERVICES PERSONNEL AT 200 NORTH COOPER STREET.
10. PRIOR TO METER ASSEMBLY INSTALLATION, THE CALIBRATED 4-INCH HYDRANT METER SHALL BE BROUGHT INTO ARLINGTON METER SERVICES AT 200 NORTH COOPER STREET TO BE READ PRIOR TO WITHDRAWAL AT SITE. CONTACT SAM GONZALEZ AT (817) 676-4252 OR ARLINGTON METER SERVICES AT (817) 459-5901 TO SCHEDULE AN APPOINTMENT.
11. HYDRANT METER ASSEMBLY SHALL NOT DISRUPT PEDESTRIAN OR VEHICULAR FLOW. HYDRANT MAY NEED TO BE ROTATED 90 DEGREES TO ACCOMODATE INSTALLATION. PLEASE CONTACT ARLINGTON WATER UTILITIES MODELING ENGINEER AT (817) 459-6824 AT LEAST 72 HOURS PRIOR TO UTILIZATION OF APPROVED 4-INCH HYDRANT METER INSTALLATION SO HYDRANT CAN BE ROTATED, IF DEEMED NECESSARY BY ARLINGTON WATER UTILITIES. HYDRANT WILL BE ROTATED BY ARLINGTON WATER UTILITIES STAFF AND SHALL ONLY BE ROATATED FOR A MAXIMUM DURATION OF 5 DAYS. CONTRACTOR SHALL BE RESPONSIBLE FOR REIMBURSING ARLINGTON WATER UTILITIES FOR TIME AND MATERIALS.
12. CONTACT ARLINGTON WATER UTILITIES MODELING ENGINEER AT (817) 459-6824 AT LEAST 48 HOURS PRIOR TO UTILIZATION OF APPROVED 4-INCH HYDRANT METER INSTALLATION.



NOTES:
1. A 90° BEND WILL BE UTILIZED FOR THE CONNECTION TO THE METER ASSEMBLY.
2. THE METER TO BE USED FOR FRACING PURPOSES ONLY.

STANDARD FIRE HYDRANT METER INSTALLATION

LANDING DRILL SITE GAS WELL PERMIT - EXHIBIT H

500 E. INTERSTATE 20
ARLINGTON, TEXAS

PROJECT TITLE:
LANDING DRILL SITE
GAS WELL PERMIT-EXHIBIT H

mmma
mycoskie | mahnke associates
civil engineering surveying landscape architecture planning
204 east abram
arlington, texas 76010
817-548-1831
fax 817-274-8293
www.mmaterra.com

Chesapeake ENERGY

PROJECT NUMBER:	2317-0-3
PROJECT MANAGER:	JSHAFFER
DRAWN BY:	JSHAFFER
CHECKED BY:	ACACSO
ISSUE DATE:	4/19/10

REV	DATE	DESCRIP.	BY

SHEET CONTENT:
GAS WELL PERMIT
EXHIBIT H

SHEET NO
1 OF 1

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