H6A Permitting Update

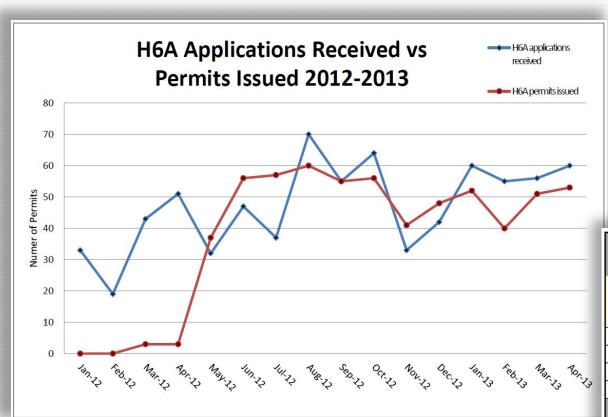


Gene SmithAssistant Chief of OOG, Permitting

Laura Cooper Environmental Resources Specialist, Permitting

Oil & Gas Workshop, Charleston Civic Center May 16, 2013

WV Horizontal 6A Permits Issued Jan 2012 – Apr 2013



| Horizontal 6A Wells | | | | |
|---------------------|--------------------------|------------------------|-------------|---------------|
| монтн | Applications Received | Permits Issued # | OOG Days | Total Days |
| January | 60 | 52 | 78 | 88 |
| February | 55 | 40 | 68 | 77 |
| March | 56 | 51 | 58 | 80 |
| April | 60 | 53 | 69 | 77 |
| TOTAL | 231 | 196 | | |
| YTD Avg | | | 68 | 81 |

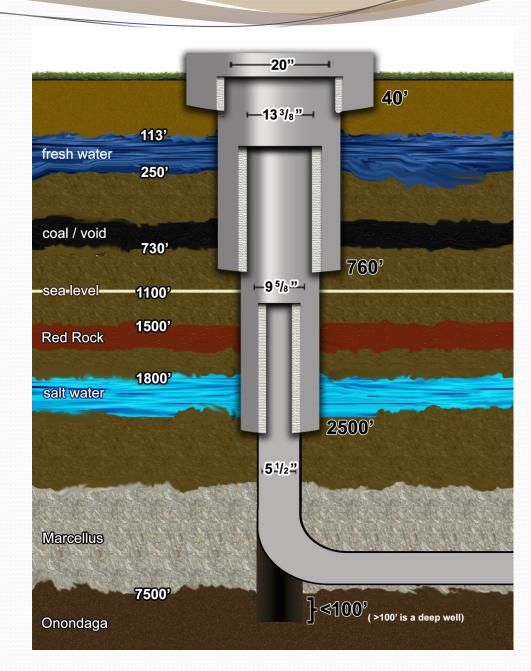
Casing Plans

Fresh Water/Coal

- 300' minimum unless a saltwater, oil, or gas bearing zone is encountered
- Can run deeper to cover workable coal seams
 (must be cased at least 30' below coal)
- In case of a void, must case off at least 30' not more than 100' past void

Intermediate

 In some areas where Red Rock is a problem, intermediate should not run deeper than around 2500', or be open for >36hrs



Verbal Plugging

35-8 5.1.i and 35-4 13.7

- Verbal plugging can be granted as long as drilling operations have been continually progressing (cannot rig down, move, and request a verbal)
- Submit a plugging permit within 5 days of commencement of plugging operations
- File WR-38 & Plugging Affidavit in a timely manner

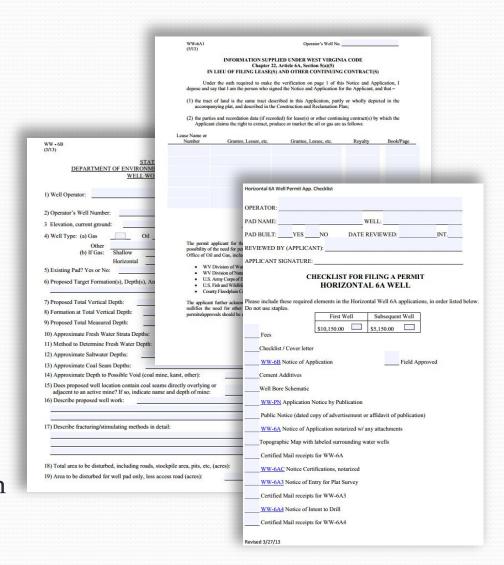
Replacement Borehole (H6A only)

35-8 5.1.i

- Request when unable to drill the well
- Must re-notice only coal owner, operator, or lessee & wait 30 day comment period or obtain a waiver
- Replacement application must be identical to original application except coordinates and possible casing design
- Must be on the same pad

Updated H6A Forms

- New 6A1 Lease Form asks for info to link leases to those on plat
- New WW6B asks more info about underlying mines
- Checklist asks that certified mail receipts and/or affidavits of personal service accompany each notice
- Provide topo map showing water wells, *not* satellite image, *not* just shown on plat
- Only send applicable forms (ie, if no waiver was signed don't send an unsigned waiver)



Public Notice

- HORIZONTAL NATURAL GAS WELL WORK PERMIT APPLICATION NOTICE BY PUBLICATION Pursuant to West Virginia Code 22-6A-10(e) prior to filing an application for a permit for a horizontal well the applicant shall publish in the county in which the well is located or is proposed to be located a Class II legal Paper: The Record Delin Public Notice Date: 04/12/2013 & 04/19/13 The following applicant intends to apply for a horizontal natural well work permit which disturbs three acres or more of surface excluding pipelines, gathering lines and roads or utilizes more than two hundred ten thousand gallons of water in any thirty day period. Applicant: CNX Gas Company, LLC Well Number: CENT19AHS. CENTI9BHS, CENTI9CHS, CENTI9DHS, CENTI9EHS Address: P.O. Box 1248 June Lew, WV 26378 Business Conducted: Natural gas production. Location -District: Warren Quadrangle: Century UTM Coordinate NAD83 Northing: 4,320,811, 4,320,811. 4,320,810, 4,320,810, 4,320,809 UTM coordinate NAD83 Easting: 572,202, 572,208. 572 214 572 220 572 226 Watershed: Buckhannon River Coordinate Conversion: To convert the coordinates above into longitude and latitude, visit: littp://tagis dop.wv.gov/convert/Hutin_conus.php Electronic notification: To receive an email when applications have been received or issued by the Office of Oil and Gas, visit http://www.dep.wy.gov/insidedep/Pages/ DEPMailingLists, aspx to sign up. Reviewing Applications: Copies of the proposed permit application may be reviewed at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE Charleston, WV 25304 (304-926-0450). Full copies or scans of the proposed permit application will cost \$15, whether mailed or obtained at DEP headquarters. Copies may be requested by calling the office or by sending an email to DEP.cog@wv.gov. Submitting Comments: Comments may be submitted online at https://apps.dep.wv.gov/ocs commens/comments.cfm, or by letter to Permit Review, Office of Oil and Gas., 601 57th Street, SE Charleston, WV 25304. Please reference the county, well number, and operator when using this option. Regardless of format for comment submissions, they must be received no later than thirty days after the permit application is received by the Office of Oil and Gas. For information related to horizontal drilling visit: www.dep.wv.gov/oil und-gos/poges/default.aspx (04-12, 04-19)
- Must be run at least 10 days before application
- Should be run just prior to 10 days before application to give public a chance to properly comment
- UTM NAD 83 coordinates must match or come very close to matching those on the plat
- Must be published in the same county as the proposed well

6A Notice of Application

- Who to send to:
 Surface owners
 Coal owner, operator, or lessee
 Storage Field operator
 Owners of Water Wells w/in 1500'
- What to send:
 6A Notice Form & Copy of application
 E&S Plan
 Plat
- When to send:
 Before application, for every well



General Note on notices:

Fill out dates on each notice, and adhere to instructions for when each notice should be sent

Construction Plans

• For a new pad:

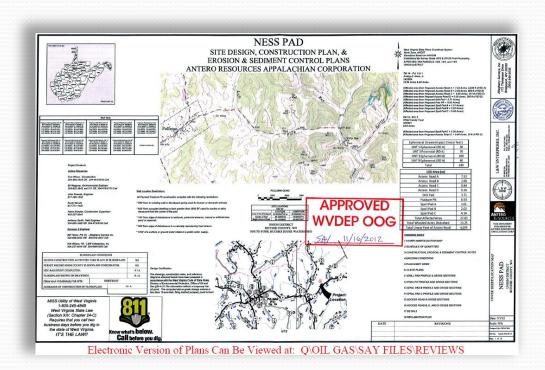
Send entire set of Construction, E&S, Reclamation Plans

• For subsequent wells on an un-built pad:

Send "Approved WVDEP OOG" set of plans

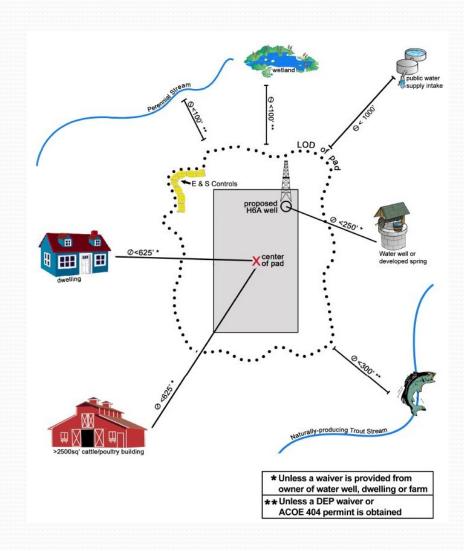
• For already built pads:

Send an As Built plan signed by the engineer

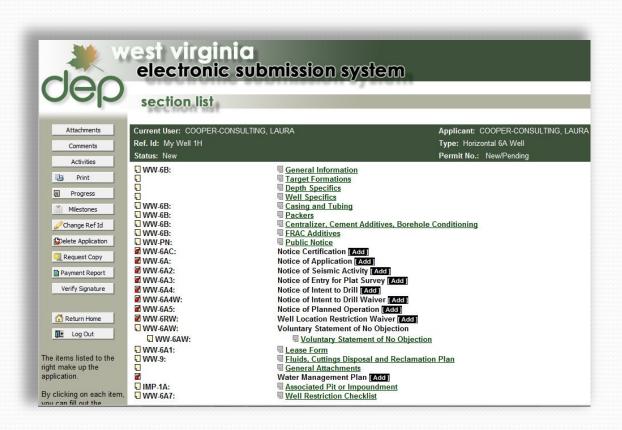


H6A Well Location Restrictions

- Limit of Disturbance should be outside of all Erosion and Sediment Control
- DEP waivers are considered only when absolutely necessary, and on a case-bycase basis (for details see <u>Rob</u> <u>Pichardo's workshop presentation 2/6/13</u>)
- Obtain jurisdictional determination from USACE before applying for well permit



ePermitting Coming Soon



- ePermitting for H6A applications will be available by November
- Applications will be created, submitted, and reviewed online
- We will be soliciting volunteers soon for beta testing



DEP Office of Oil and Gas Permitting 304-926-0450 x1547

Gene.C.Smith@wv.gov Laura.K.Cooper@wv.gov www.dep.wv.gov