H6A Permitting & ePermitting Update

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Oil & Gas Workshop, Charleston Civic Center
Oct 30, 2013
WV Horizontal 6A Permits Issued
Jan 2012 – Sept 2013

<table>
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<tr>
<th>MONTH</th>
<th>Applications Received</th>
<th>Permits Issued #</th>
<th>OOG Days</th>
<th>Total Days</th>
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<td>YTD Avg</td>
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6A Notice of Application

- Must use version of 6A form updated 8/13 (on our website)
  New version contains additional language required by §35-8

- 6A notice must be sent to:
  - Surface owners of pad, road, impoundments, pits, & any other disturbances
  - Surface owners of water wells and/or water purveyors within 1500’ of proposed well
  - Coal owner, lessee, operator
  - Operator of any natural gas storage field

- All those noticed with 6A need a copy of Site Safety Plan and MSDS
Material Safety Data Sheets

- Per §35-8 5.7.a, MSDS must accompany every H6A well application submitted to our office
  - Please send as either a CD or USB drive attached to each application
  - Label with Operator Name and Well Name/Number

- MSDS for all materials and chemicals on the well site still must be kept on well site, as prescribed in §35-8 5.7.g
New Plat Requirements of §35-8-6

Highlights of §35-8-6.2 Form and Contents of Plats

• Two reference points, “beyond the limits of the drilling site but within 600 feet of the well location”

• All mineral tract boundaries within the scope of the well location plat shall be shown

• Mineral tract boundary lines and surface tract boundary lines shall be clearly distinguishable from each other

All plats must show:

• All wells within the scope of the plat
• All wells within 2400’ of proposed well
• All wells within 500’ of the horizontal section
• Existing water wells within 250’
• Dwellings or Ag buildings >2500ft² within 625’
• Streams, roads, & railroads within scope of plat
Example of New Plat Requirements

- Lease boundaries distinguishable from surface boundaries
- Existing gas wells within 500' of lateral are shown
- Reference points are within 600' of proposed well
Another example of New Plat Requirements

Shows 500' radius surrounding lateral bore & existing gas wells within

Note states no dwellings or water wells within prescribed distances
§35-8-9.2.h.8

Cement used to fill the annular space around the freshwater and coal protection casing shall be API Class A Ordinary Portland cement with no greater than three percent (3%) calcium chloride and no other additives. If the well operator furnishes satisfactory proof that a different type of cement or additive is adequate, the Chief may approve use of a different type of cement.
Questions?

Any questions on H6A permitting requirements?
OOG ePermitting, or Electronic Submission System

- Currently in beta testing stage for H6A applications
- Production & Plugging apps are in development
- Additional apps and electronic forms to come
This is what the main menu of an H6A application looks like

The various forms are listed on the left

Each form is completed by the Operator, then submitted to OOG for review

Attachments are added to appropriate pages, such as plat and construction plans
Electronic Submission System (ESS) Demonstration
Moving Forward with ESS

- H6A application should be available for general use Spring 2014
- Duplicating a permit is currently being worked on by our developers
- Training for industry will be held when ESS goes live for general use
- Other applications and submittals will be available in 2014-2015 (Production, WR35, vertical wells, coalbed methane wells, modifications)

How ESS helps the permitting and form submittal process

- Saves time – prep time on Industry side, review time on DEP side
- Eliminates a lot of confusion – everyone sees the same application, stored in the same place (on DEP servers)
- Allows for a seamless flow of information, rather than relying on email and old fashioned mail for communications/submittals
- Saves paper... me having to drag home paper to review, drag it back, paper cuts, throwing away extra paper, etc etc etc.
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