GENERAL PERMITTING INFORMATION

Presentation to Administration of Oil and Gas Committee Katherine Marciniak, P.G.

NCDENR- DELMR

May 2, 2013



General Information:

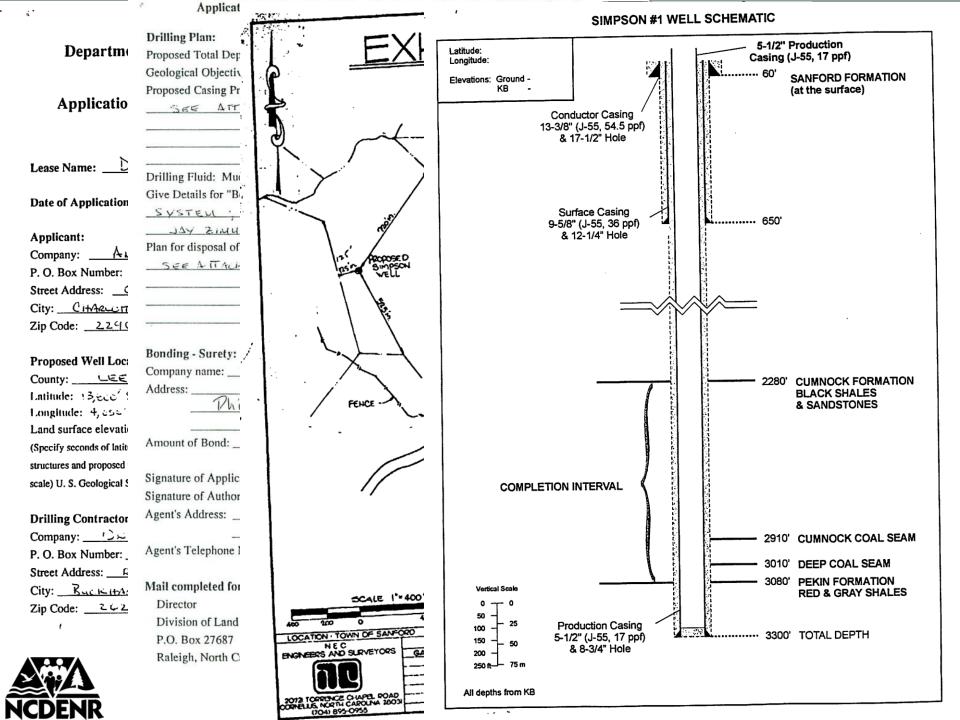
- No person may drill or alter an oil or gas well unless that person has first obtained an oil or gas well permit from the Department.
 - Includes drilling a new well, deepening, plugging back, or reentering a previously plugged well.
- No person may operate a well unless:
 - Obtained a permit
 - Registered the well
 - Well was in operation before the rules.



General Requirements for Permit:

- Organization/Operator affidavit
- Permit to Drill, Deepen, Work-over, or Re-enter
 - Permit to Drill Stratigraphic Wells
- Complete and accurate land plat, maps, and site plans
 - Such as topographic maps, aerial photography with site overlay
- Approvable bond:
 - Well abandonment Bond
 - Surface Reclamation
- Proof of notification
- Other required permits/waivers/variances





8000-PM-OOGM0001b	4/2
pennsylvania	

pennsylvania	12	ENT OF	ENVIR	I OF PENNSYLVANIA RONMENTAL PROTECTIO DIGAS MANAGEMENT	ON	3.			trate or be within 3,000 fe	et of an a	ctive				dary?					
PERMIT A	APPLICATI	ON TO DR	ILL A	AND (OPERATE AN UI	NCON	L		es, print the names of:				Ope	rator:						
DEP US							4.	Is the p	oposed well location w	vithin the permitted area of	of a landfi	11?								
otes	OGO# Objection				Date - Do not issue before:								n any	existing buil	ding or an					
				Date App	pproved: and			a. If "Yes," is written consent from the owner attached?												
Bond #					Design	l	b. If written consent is not attached, is a variance request (form 8000-FM-OOGM0058) attached?													
	C: G:			ipecial Co	nd.		5.1.			e unconventional well be						water well,				
APS# Auth Id Site Id			surface water intake, reservoir or other water supply extraction point used by a water purveyor? a. If "Yes." is written consent from the owner attached?									_								
		Please read			ore you begin filling in this fo	rm.	l											_		
Vell Operator		DEP ID#		API#	FORMATION		ı	b. If w	ritten consent is not at	tached, is a variance req			-FM-OOG	M005	8) attached?		11	I		
ddress			37-	_	Record of Notification /	8000-PM-OOGM0001b 4/2012 COMMONWEALTH OF PENNSYLVANIA RECORD of Notification / Written Consent DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS MANAGEMENT														
uuress			LA	NG -	pennsylvania PERMIT APPLICATION TO DRILL AND OPERATE Farm Name - Well #							lell#								
ity		State	ZIp	N.					1A	N UNCONVENTION	AL WE	LL			Applicant Name			DEP		
hone		Fax								Record of Notifi	cation					APS#				
none		rax		1											DEP USE ONLY	VF3#				
24/7 Emerg					List the following: surface landowner; surface landowners and water purveyors with water supplies within 3,000 feet; municipality whe						_			\Box		ication and attach proof.				
Check if this is a new address					the well will be drilled; adjacent municipality; municipalities within 3,000 feet of the vertical well bore; gas storage operator if within 3,00						000 🚡	erator	8 5 8 5		Certified	d Mail Dates	and attach proof.			
reshwater Impoundment Name/ Centralized Impoundment Name/ Well Pad (C				feet. Mark the boxes, "X," whi each of these parties.	feet. Mark the boxes, "X," which show the parties' interests. Use additional forms if you need more space. You are required to notify each of these parties.						Sas Storage Operator	ndowr	88							
entification	Identification				Notification: Signature below name indicates the party's acknowledgement of receipt of					ent of receipt of the well	e Lar	torag	e Lar er Pu afers	palitie						
urface Elev Deepest Formation to be penetrated: Anticipated					the well will be drilled; adjacent municipality, municipalities within 3,000 feet. Mark the boxes, "X," which show the parties' interests. Use additional forms if you need more space. You are required to notify each of these parties. Notification: Signature below name indicates the party's acknowledgement of receipt of the well location plat and serves as proof of notification Sent						Return Receix	Address pt Affidavit	Writte							
arget Formation(s) proposed for production Anticipated Target Top/Botts					Print Name:							0,003		-						
, ,					Signature															
umber of wellbore laterals proposed under this application					Print Name:			Address:												
otal feet of wellbore to be drilled under this application Ft.					Signature															
applying for a permit to rework an existing well not registered or permitter is box and enter date drilled, if known: (see instruction)			Print Name:				Address:													
NDI Attached: Any threatened or endangered "hit" must include a cop			Signature																	
learance letter from the applicable agency(ies).					Print Name:				Address:											
pplication submitted as: Coal well: Attach Coal Module CBM well Attach Coal Module					Signature															
Non coal well Attach justification.			Print Name:				Address:													
OORDINATION WITH REGU					Signature															
. Will the well be subject					F	Record of Writter	n Cons	ent						_						
a. If "Yes" to #1, is the well at least 330 feet from outside lease					Written Consent: Signature below indicates the party's approval of the well location, or indicates written consent and waives the 15-day objection period where applicable.															
b. Does the location fall within an area covered by a spacing of				Check a	pplicable box											- 1-1				
c. If the well will be multilateral, identify the wellbores on the			Print and Sign Name:			Address:		Date	Sur	face O	wner	Wa	ater Well within	500 feet	Building with					
completed as conservation and non-conservation. Will either the edge of the disturbed area of any portion of the w			the w																	
100 feet, or the vertical well bore be within 300 feet, from the ed			Print and Sign Name. Ad			Address:	Date:													
body of water identified on the most current 71/2' topographic q acre in size or in a wetland?						Address: Date:														
equ	est (form 5500)-FM-OG0057)	and si	te-spe	Print and Sign Name:			Address:		Date:]		
					Print and Sign Name:			Address:		Date:								,		

Permit Components:

- Baseline Analytical Reporting
 - Map showing the area of presumptive liability
 - Provide table with well/receptor identification information.
 - Must ID wells/receptors on map
 - Baseline notification with approval or denials by landowners.
 - Copy of all analytical records
- Well Design Plan
 - Casing schedule
 - Drilling Fluids/Mud Program & Cementing
 - Hydraulic Fracturing from an Approved Vendor
- Erosion Control Plan/BMPs Plan
 - Include phases of development onsite.
 - Site stabilization structures and seeding/mulching schedules



Permit Components:

- Water Use Plan
 - Source documentation
 - Notification list
 - Heritage and Endangered Species Reviews
- Waste Management Plan
 - Pit/Tank Plan
 - Maintenance & Monitoring Plan

- Reclamation Plan
 - Interim Plan
 - Site grading and stabilization
 - Final site plan
 - Grading Plan
 - Final stabilization



Areas for Committee Consideration:

- Style of submitting a permit (electronic versus paper)
 - Follow mining program-
 - 5 copies of the completed application,
 - 6 copies of all maps/plans
 - Recommendation: paper submittal with digital back-up
- What level of pipe installed to be able to still skid rig w/o new well.
 - Surface casing is recommended
- Define Required Map scale(s)
- Require Set of "As-Built" Plans



Discussion/Questions:

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NCDENR-DEMLR

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