

APPLICATION FOR PERMIT TO DRILL - FORM 1H
SFN 54269

1. All applications for permit to drill must be e-filed, except in extenuating circumstances. Operators must file an ePermit authorization form, and email to apd@nd.gov. The Bismarck office will then issue a user-ID and password to access the online Form 1 or Form 1H.
2. Please refer to Section 43-02-03-16 of the North Dakota Administrative Code (NDAC) regarding an application for permit to drill.
3. Well-site preparation other than surveying and staking is forbidden prior to approval of an application for permit to drill.
4. Verbal approval may be given for site preparation by the Director in extenuating circumstances although no drilling activity shall commence until the application is approved.
5. The application for permit to drill shall be accompanied by a bond pursuant to Section 43-02-03-15 NDAC or the applicant must have previously filed such bond with the Commission, otherwise the application is incomplete.
6. Any incomplete application for permit to drill received by the Commission has no standing and shall not be deemed filed until it is completed.
7. The application for a permit to drill a well shall be accompanied by an accurate plat certified by a registered surveyor showing the location of the proposed well with reference to the nearest lines of a governmental section and referenced to true north. Also, the application must include an accurate pad layout which indicates cut & fill, and the proposed cuttings pit location. In addition, a production pad facilities layout plat is required.
8. The application for permit to drill a directional or horizontal well shall be accompanied by an accurate plat certified by a registered surveyor showing the internal dimensions of the spacing or drilling unit.
9. The application for permit to drill shall be accompanied by a drilling prognosis which shall include the following: the proposed total depth (including measured depth if appropriate) to which the well will be drilled, the estimated depth to the top of important geological markers, the estimated depth to the top of objective horizons, the proposed mud program, the proposed casing program including size and weight, the proposed depth at which each casing string is to be set, the proposed amount of cement to be used, the estimated top of cement and a proposed directional plot & plan.
10. A Gamma Ray Log must be run to ground level, a CBL run on the intermediate or production casing and open hole logs are required (unless waived by the director).
11. Surveys are required at least every 30 feet in the build section (or while deviating the well bore) and 90 feet in the lateral section of a horizontal well. Measurement inaccuracies are not considered when determining compliance with the spacing/drilling unit boundary setback except in the following scenarios: a) When the angle between the well bore and the respective boundary is 10 degrees or less; or b) if industry standard methods and equipment are not utilized. Consult the applicable field orders for exceptions.
12. The application for permit to drill shall be accompanied by the general completion technique.
13. The application for permit to drill shall comply with NDIC-PP (Permit Policy) 1.01, 1.02, 1.03, 1.04, 1.05, 1.06, 2.01, 2.02, 2.03 and 2.04. Also, the application shall include confirmation that a legal street address was requested per NDAC 43-02-03-16.
14. The application for permit to drill shall be accompanied by a permit fee of one hundred dollars.
15. The approved application for permit to drill shall terminate and be of no further force and effect unless a well is drilling, or has been drilled, below surface casing on the first anniversary of the date of issuance or renewal.



APPLICATION FOR PERMIT TO DRILL HORIZONTAL WELL - FORM 1H

INDUSTRIAL COMMISSION OF NORTH DAKOTA
 OIL AND GAS DIVISION
 600 EAST BOULEVARD DEPT 405
 BISMARCK, ND 58505-0840
 SFN 54269 (10-2014)

PLEASE READ INSTRUCTIONS BEFORE FILLING OUT FORM.
 PLEASE SUBMIT THE ORIGINAL AND ONE COPY.

Type of Work	Type of Well	Approximate Date Dirt Work Will Start	Confidential Status
Operator			Telephone Number
Address		City	State Zip Code
Name of Surface Owner or Tenant			
Address		City	State Zip Code
Notice has been provided to the owner of any permanently occupied dwelling within 1,320 feet.		This well is not located within five hundred feet of an occupied dwelling.	

WELL INFORMATION (If more than one lateral proposed, enter data for additional laterals on page 2)

Well Name		Well Number					
Surface Footages F L F L		Qtr-Qtr	Section	Township N	Range W	County	
Longstring Casing Point Footages F L F L		Qtr-Qtr	Section	Township N	Range W	County	
Longstring Casing Point Coordinates From Well Head From WH From WH		Azimuth °	Longstring Total Depth Feet MD Feet TVD				
Bottom Hole Footages From Nearest Section Line F L F L		Qtr-Qtr	Section	Township N	Range W	County	
Bottom Hole Coordinates From Well Head From WH From WH		KOP Lateral 1 Feet MD	Azimuth Lateral 1 °	Estimated Total Depth Lateral 1 Feet MD Feet TVD			
Latitude of Well Head ° ' "	Longitude of Well Head ° ' "	NAD Reference	Description of (Subject to NDIC Approval)				
Ground Elevation Feet Above S.L.	Acres in Spacing/Drilling Unit	Spacing/Drilling Unit Setback Requirement Feet N/S Feet E/W		Industrial Commission Order			
North Line of Spacing/Drilling Unit Feet	South Line of Spacing/Drilling Unit Feet	East Line of Spacing/Drilling Unit Feet	West Line of Spacing/Drilling Unit Feet				
Objective Horizons			Pierre Shale Top				
Proposed Surface Casing	Size - "	Weight Lb./Ft.	Depth Feet	Cement Volume Sacks	NOTE: Surface hole must be drilled with fresh water and surface casing must be cemented back to surface.		
Proposed Longstring Casing	Size - "	Weight(s) Lb./Ft.	Longstring Total Depth Feet MD Feet TVD	Cement Volume Sacks	Cement Top Feet	Top Dakota Sand Feet	
Base of Last Salt (If Applicable) Feet	NOTE: Intermediate or longstring casing string must be cemented above the top Dakota Group Sand.						
Proposed Logs							
Drilling Mud Type (Vertical Hole - Below Surface Casing)				Drilling Mud Type (Lateral)			
Survey Type in Vertical Portion of Well Every 100 Feet	Survey Frequency: Build Section Feet		Survey Frequency: Lateral Feet		MWD Contractor		

COMMENTS, ADDITIONAL INFORMATION, AND/OR LIST OF ATTACHMENTS

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Lateral 2

KOP Lateral 2 Feet MD	Azimuth Lateral 2 °	Estimated Total Depth Lateral 2 Feet MD Feet TVD		KOP Coordinates From Well Head From WH From WH		
Formation Entry Point Coordinates From Well Head From WH From WH		Bottom Hole Coordinates From Well Head From WH From WH				
KOP Footages From Nearest Section Line F L F L		Qtr-Qtr	Section	Township N	Range W	County
Bottom Hole Footages From Nearest Section Line F L F L		Qtr-Qtr	Section	Township N	Range W	County

Lateral 3

KOP Lateral 3 Feet MD	Azimuth Lateral 3 °	Estimated Total Depth Lateral 3 Feet MD Feet TVD		KOP Coordinates From Well Head From WH From WH		
Formation Entry Point Coordinates From Well Head From WH From WH		Bottom Hole Coordinates From Well Head From WH From WH				
KOP Footages From Nearest Section Line F L F L		Qtr-Qtr	Section	Township N	Range W	County
Bottom Hole Footages From Nearest Section Line F L F L		Qtr-Qtr	Section	Township N	Range W	County

Lateral 4

KOP Lateral 4 Feet MD	Azimuth Lateral 4 °	Estimated Total Depth Lateral 4 Feet MD Feet TVD		KOP Coordinates From Well Head From WH From WH		
Formation Entry Point Coordinates From Well Head From WH From WH		Bottom Hole Coordinates From Well Head From WH From WH				
KOP Footages From Nearest Section Line F L F L		Qtr-Qtr	Section	Township N	Range W	County
Bottom Hole Footages From Nearest Section Line F L F L		Qtr-Qtr	Section	Township N	Range W	County

Lateral 5

KOP Lateral 5 Feet MD	Azimuth Lateral 5 °	Estimated Total Depth Lateral 5 Feet MD Feet TVD		KOP Coordinates From Well Head From WH From WH		
Formation Entry Point Coordinates From Well Head From WH From WH		Bottom Hole Coordinates From Well Head From WH From WH				
KOP Footages From Nearest Section Line F L F L		Qtr-Qtr	Section	Township N	Range W	County
Bottom Hole Footages From Nearest Section Line F L F L		Qtr-Qtr	Section	Township N	Range W	County

I hereby swear or affirm the information provided is true, complete and correct as determined from all available records.		Date
Signature	Printed Name	Title
Email Address		
Witness Signature	Witness Printed Name	Witness Title

FOR STATE USE ONLY

Permit and File Number	API Number 33 - -
Field	
Pool	Permit Type

FOR STATE USE ONLY

Date Approved
By
Title