



DEPARTMENT of ENVIRONMENT and NATURAL RESOURCES
 Minerals & Mining Program
 2050 West Main, Suite #1, Rapid City, SD 57702-2493
 Telephone: 605-773-4201, FAX: 605-394-5317

FORM 2
RECEIVED
 AUG 4 2014

DEPT OF ENVIRONMENT & NATURAL RESOURCES - RAPID CITY

State of South Dakota
 Department of Environment
 and Natural Resources

APPLICATION FOR PERMIT TO DRILL

Type of work: <input type="checkbox"/> Drill New Well <input checked="" type="checkbox"/> Re-enter Well <input type="checkbox"/> Drill Directional Well <input type="checkbox"/> Other: _____	Type of well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Injection <input type="checkbox"/> Other: _____
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Name and Address of Operator: Peter K. Roosevelt	Telephone: 303-825-8606
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Name and Address of Surface Owner:
 US Forest Service 209 N. River Street, Hot Springs, SD 57747

Name and Address of Drilling Contractor and Rig Number:
 To Be Determined

Surface Location of well: Qtr-Qtr, Sec, Twp, Rge, County, feet from nearest lines of section, and latitude and longitude (if available):
 NENW Sec. 33, T11S, R1E, Fall River, SD 657' FNL and 1829' FWL

If Directional, top of pay and bottom hole location from nearest lines of section:
 NA

Acres in Spacing (Drilling) Unit: 40 ac.	Description of Spacing Unit: NENW Section 33
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Well Name and Number:	Elevation:	Field and Pool, or Wildcat:	Proposed Depth and Formation:
3-33R Alkali Federal	3989.8'	Alkali Creek Field	3700' Leo

Size of Hole:	Size of Casing:	Weight per Foot:	Depth:	Cementing Program (amount, type, yield, additives)	Top of Cement:
1)					
2)					
3)					
4)					

Describe Proposed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). Use additional page(s) if appropriate.

1. Move in well servicing rig
2. Drill out plugs inside casing
3. Clean well out to TD
4. Run tubing and production equipment to produce well
5. Estimated date of proposed operations - Summer of 2015

Pit Liner Specifications: no pit

I hereby certify that the foregoing as to any work or operation performed is a true and correct report of such work or operation.

	Peter K. Roosevelt	Operator	July 31, 2013
Signature	Name (Print)	Title	Date

FOR OFFICE USE ONLY

Approved By:	Title: <u>Administrator Minerals & Mining Program</u>
Permit No.: <u>2055</u>	API No.: <u>40 047 20295.01</u> Date Issued: <u>8/19/2014</u>
Conditions, if any, on attached page. <u>See attached.</u>	



**DEPARTMENT OF ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov



PERMIT CONDITIONS

PKR: 3-33R Alkali Federal
11S-1E-33 NENW, Fall River County

Permit: # 2055
API: 40 047 20295.01

Approval has been granted to drill this location as detailed on the attached Application for Permit to Drill (Form #2) with the following additional conditions:

1. This permit is conditioned on compliance with all applicable requirements of South Dakota Codified Laws 45-9 and Administrative Rules of South Dakota 74-12.
2. If drilling does not commence within one year from the issuance date, this permit will expire.
3. A mechanical integrity test must be conducted to demonstrate the integrity of the casing.
4. Surface runoff must be diverted around the drill site.
5. If abandoned: A plugging plan must be submitted at least 7 days prior to plugging for the department's review and approval; otherwise, the following plan must be followed:
 - A. With long string, sufficient cement must be circulated to install:
 1. A 100-foot cement plug immediately above the perforations.
 2. A 100-foot cement plug, half in and half out of the top of the casing stub after the retrievable part of the production casing has been removed.
 3. A 100-foot cement plug, half in and half out of the top of any fresh water aquifer between the top of the casing stub and the base of the surface casing. Freshwater resources at this site include: Minnelusa, Minnekahta, Canyon Springs, and Inyan Kara.
 4. A 100-foot plug, half in and half out of the base of the surface casing.
 5. A 25-foot cement plug at the top of the surface casing.
 - B. Without long string, sufficient cement must be circulated to set:
 1. 100-foot cement plugs, half in and half out of the top of the following formations with heavy mud-laden fluid used between all plugs:
Minnelusa, Minnekahta, Canyon Springs, and Inyan Kara.
 2. A 100-foot cement plug, half in and half out of the base of the surface casing.
 3. A 25-foot cement plug at the top of the surface casing.
 - C. The casing string must be cut off at least three feet below the final ground surface contour. A plate with the name of the operator, well name and number, and legal location by quarter-quarter section, township and range must be welded to the casing stub. The location of the abandoned well must be surveyed with high resolution global positioning system equipment or other appropriate survey methods sufficient to accurately locate the well. Survey coordinates must be included in the final abandonment report.
6. Surface reclamation of the site must be completed within one year of plugging and abandoning the well.
7. A washed set of sample cuttings (or cores, if cut) must be shipped, free of charge, to:

Derric Iles
Geological Survey Program
Akeley-Lawrence Science Center
University of South Dakota
414 E. Clark Street
Vermillion, SD 57069-2390

7. Please notify this office prior to plugging so a witness can be on location. If plugging will occur after regular business hours, call Jeff Klenner at 605-929-1414.