DEPARTMENT of ENVIRONMENT and NATURAL RESOURCES
Minerals & Mining Program - Oil & Gas Section
2050 West Main, Suite #1, Rapid City, SD 57702-2493
Telephone: 605-394-2229, FAX: 605-394-5317

FORM 2

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DEPT OF ENVIRONMENT & NATURAL RESOURCES - RCHO

APPLICATION FOR PERMIT TO DRILL

Type of work:
[ ] Drill New Well [ ] Reenter Well [ ] Drill Directional Well
[X] Other Horizontal Re-entry

Type of well:
[X] Oil Well [ ] Gas Well [ ] Injection
[ ] Other

Name and Address of Operator:
Prima Exploration Inc.
7555 E. Hampden Ave., Suite 505, Denver, CO 80231
Telephone 303/755-5681

Name and Address of Surface Owner:
Timothy G & Tracy L. Brown
P.O. Box 205, Buffalo, SD 57720

Name and Address of Drilling Contractor and Rig Number:
Undetermined at this time.

Surface Location of well: Qtr-Qtr, Sec, Twp, Rge, County, feet from nearest lines of section, and latitude and longitude (if available):
SE/4 NW/4 Sec 5-T21N-R4E
1977' FNL & 1680' FWL

If Directional, top of pay and bottom hole location from nearest lines of section:
Top of Pay: 8591' BHL(1): 50' FNL & 50' FEL Sec 5-T21N-R4E
BHL(2): 1870' FSL & 1100' FEL Sec 6-T21N-R4E

Acres in Spacing (Drilling) Unit
20,648 acres

Description of Spacing Unit
Unitized - South Buffalo Red River Unit Order #4-97

Well Name and Number	Elevation	Field and Pool, or Wildcat	Proposed Depth and Formation
Thune Federal #6-5	3051' GL	Buffalo	Red River "B" 8591'

Size of Hole	Size of Casing	Weight per Foot	Depth	Cementing Program (amount, type, additives)	Depth
1) 13 3/4"	9 5/8"	40#	Surf.	120 sx Lite & 425 sx Class G	
2)					
3) 7 7/8"	5 1/2"	17#, 15.5#	Prod.	355 sx Class G	
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.
Well laterals will be drilled out of existing 5 1/2" csg by cutting a SE facing window at least 10' below the Gunton porosity located at 8443'-8454', landing in the Red River "B" porosity at 8591'-8600'. Out of this window one lateral will turn to the NE and one to the SW to BHL.

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

Signature: [signature] Name (Print): Rich Gunlikson Title: Operations Manager Date: 2/28/05

SOUTH DAKOTA STATE GEOLOGICAL SURVEY WESTERN FIELD OFFICE

FOR OFFICE USE ONLY

Approved By: [signature] Title: Oil & Gas Supervisor

Permit No. 1721 API No. 40 063 20123.01 Date Issued: 03/16/05

Conditions, if any, on attached page.