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 - RCRO

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

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): NE/4 SW/4 Sec 31-T22N-R4E
1700' FNL & 1700' FEL

If Directional, top of pay and bottom hole location from nearest lines of section:
Top of Pay: 8617' BHL(1): 220' FSL & 220' FEL, Sec 30-T22N-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 #A-1	3020' GL	Buffalo	Red River "B" 8617'

Size of Hole	Size of Casing	Weight per Foot	Depth	Cementing Program (amount, type, additives)	Depth
1) 12 1/4"	8 5/8"	24#	965'	560 sx Class G	
2)					
3) 5 1/2"	7 7/8"	Var.	8789'	230 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.

A lateral will be drilled out of existing 5 1/2" csg by cutting a north facing window at least 10' below the Gunton porosity located at 8470' - 8478', landing in the Red River "B" porosity at 8617'-8627. Out of this window the lateral will drill to an intermediate point that is 1000' north & 100' east of surface and turn to the NE 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	Name (Print)	Title	Date
	Rich Gunlikson	Operations Manager	2/28/05

SOUTH DAKOTA STATE GEOLOGICAL SURVEY WESTERN FIELD OFFICE

FOR OFFICE USE ONLY

Approved By: Fred Ustice Title: Oil & Gas Supervisor

Permit No. 1724 API No. 40 063 20071.01 Date Issued: 03/16/05

Conditions, if any, on attached page.