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.
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 NE/4 30-T22N-R4E
1320' FNL & 660' FEL

If Directional, top of pay and bottom hole location from nearest lines of section:
Top of Pay: 8692' BHL(1): 2620' FNL & 1760' 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 #B-1-30	3060' GL	Buffalo	Red River "B" 8692'

	Size of Hole	Size of Casing	Weight per Foot	Depth	Cementing Program (amount, type, additives)	Depth
1)	13 1/2"	9 5/8"	36#	2064'	1800sx Howco Lite & 200sx Class "G"	
2)						
3)	7 7/8"	5 1/2"	15.5,17,20#	8947'	600sx Class G & 270sx Lite	
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.

One lateral will be drilled out of existing 5 1/2" csg by cutting a SW facing window at least 10' below the Gunton porosity located at 8545'-8555', landing in the Red River "B" porosity at 8692'-8704'. Out of this window the lateral will drill to an intermediate point that is 380' north & 840' east of surface & turn to the south 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	Area Geologic Manager	2/28/05

SOUTH DAKOTA STATE GEOLOGICAL SURVEY WESTERN FIELD OFFICE

FOR OFFICE USE ONLY

Approved By: Fred W Hess Title: Oil & Gas Supervisor

Permit No. 1723 API No. 40 063 20359.01 Date Issued: 03/16/05

Conditions, if any, on attached page.