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

STATE OF SOUTH DAKOTA GEOLOGICAL SURVEY WESTERN FIELD OFFICE

Type of work:
☐ Drill New Well ☑ Reenter Well ☐ Drill Directional Well
☐ Other _____

Type of well:
☑ Oil Well ☐ Gas Well ☐ Injection
☐ Other _____

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

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

Name and Address of Drilling Contractor and Rig Number:
J&R Well Service 791 Land 9, Powell, WY 82435

Surface Location of well: Qtr-Qtr, Sec, Twp, Rge, County, feet from nearest lines of section, and latitude and longitude (if available):
1320' FNL & 660' FEL, Sec 30-22N-4E, NENE

If Directional, top of pay and bottom hole location from nearest lines of section:
TOP 8692' SSW 900' FSL & 1500' FEL, Sec 30-22N-4E, SW 1600' FSL & 2600' FEL, Sec 30-22N-4E

Acres in Spacing (Drilling) Unit
20, 648 Acres

Description of Spacing Unit
~~South~~ Central Buffalo Red River "B" 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	SSW 11,900', SW 11, 750'

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'	1800 sx Howco Lite & 200 sx Class "G"	
2) 7 7/8"	5 1/2"	15.5,17, 20#	8947'	600' sx Class "G" & 270 sx Lite	
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.

ST laterals will be drilled out of existing 5 1/2" csg by cutting a window at least 10' below the Gunton porosity located @ 8534-8576', landing in the Red River "B" porosity @ 8692-8703'. Out of this window the SSW lateral will be drilled about 1400' to the SW to a way point and then to the bottom hole. The rig will be moved off and the well will be produced from the SSW lateral for at least a few months before determining whether to drill SW lateral. Will use closed cirulating system. No pit liner will be used.

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	10/18/07

~~FOR~~ OFFICE USE ONLY

Approved By: Fred W Blume Title: Oil and Gas Supervisor

Permit No. 1850 API No. 40 063 20359.01 Date Issued: November 28, 2007

Conditions, if any, on attached page.

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