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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SEP 28 2005
DEPT OF ENVIRONMENT & NATURAL RESOURCES - RCRO

APPLICATION FOR PERMIT TO DRILL

SOUTH DAKOTA
STATE 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
Murex Petroleum Corporation 515 N. Sam Houston Pkwy. E., Ste 485, Houston, TX (281) 590-3313

Name and Address of Surface Owner:
William C. & Florence M. Brengle HC 67, Box 35 Buffalo, SD 57720

Name and Address of Drilling Contractor and Rig Number:
Ham's Well Service PO Box 223 Westhope, ND 58793 Rig # TBD

Surface Location of well: Qtr-Qtr, Sec, Twp, Rge, County, feet from nearest lines of section, and latitude and longitude (if available):
SW SE 10-22N-3E Harding County 600' FSL & 1850' FEL

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

Acres in Spacing (Drilling) Unit: 40

Description of Spacing Unit: SW SE 10-22N-3E

Well Name and Number	Elevation	Field and Pool, or Wildcat	Proposed Depth and Formation
Njos 34-10	3148'	Table Mountain	Perf 6190'-6285' (Minnelusa)

Size of Hole	Size of Casing	Weight per Foot	Depth	Cementing Program (amount, type, additives)	Depth
1) 13-3/4"	9-5/8"	53.5	1555	960 sx lite cement	surf
2) 7-7/8"	4-1/2"	11.6 & 13.5	8780	600 sx lite, 100 sx reg, 550 sx lite cmt	surf
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.

Three (3) plugs will be drilled out (surf-150', 1380'-1700', 4380'-4700'). Pressure testing will be done after drilling each plug to ensure the mechanical integrity of the 4-1/2" casing. A cement bond log will be run, & perfs will be added to the Minnélusa Fm. from approx 6190'-6285' at 6 spf . The perfs will be acidized w/ 3500 gals 15% HCl (max press =1200#). Water samples will be taken to confirm/deny the need for an aquifer exemption. Pending approval of the entire application, the Njos 34-10 will be put on injection.

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
Michael R. Villalva	Michael R. Villalva	Sr. Petroleum Engr	9/27/05

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Approved By: Fred W Steece Title: O-G Supervisor

Permit No. 1769 API No. 40063 20397.01 Date Issued: Oct. 17, 2005

Conditions, if any, on attached page.