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August 14, 2003

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Oil Conservation Division

HAND-DELIVERED

Lori Wrotenbery, Director
New Mexico Oil Conservation Director
1220 South St. Francis
Santa Fe, New Mexico 87505

Re: New Mexico Oil Conservation Case No. 13170; Application of Energen Resources Corporation to Expand Waterflood Project in the Langlie Mattix Seven Rivers Queen Grayburg Pool, Lea County, New Mexico

Dear Ms. Wrotenbery:

Enclosed are an original and two copies of the Application of Energen Resources Corporation in the above referenced matter. On behalf of the Applicant, we request this matter be set for hearing on the September 18, 2003 Division Examiner hearing docket. Also enclosed on disk and in hard copy is a proposed advertisement for the case.

Thank you for your assistance.

Very truly yours,

MILLER STRATVERT P.A.



J. Scott Hall

JSH/glb
Enclosures

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STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION

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Oil Conservation Division

**IN THE MATTER OF THE APPLICATION
OF ENERGEN RESOURCES CORPORATION
TO EXPAND WATERFLOOD PROJECT
IN THE LANGLEIE MATTIX SEVEN RIVERS
QUEEN GRAYBURG POOL,
LEA COUNTY, NEW MEXICO**

CASE NO. 13120

APPLICATION

ENERGEN RESOURCES CORPORATION, by its undersigned attorneys, Miller Stratvert, P. A. (J. Scott Hall), hereby makes application pursuant to 19.15.9.701 NMAC for an order authorizing the expansion of its Langlie-Lynn Queen Unit Waterflood Project in the Langlie Mattix Seven Rivers Queen Grayburg Pool in Lea County, New Mexico. In support, Applicant states:

1. Applicant is Unit Operator of the Langlie-Lynn Queen Unit and is authorized to conduct underground injection operations for an enhanced recovery waterflood project on the Unit under the provisions of Division Order No. R-4417 issued on October 10, 1972 and as subsequently amended by, *inter alia*, Injection Permit No. WFX-581 issued on May 16, 1989 and WFX-581-A issued in 2001.

2. Applicant is currently authorized to inject water into the Seven Rivers and Queen formations into each of the wells and at the injection intervals described below:

Langlie Lynn Queen Unit Well No. 5
1980 FSL & 1980 FEL (Unit J)
Section 23, T-23-S, R-36-E, NMPM
Lea County, New Mexico
Injection Interval: 3494' to 3631'

Langlie Lynn Queen Unit Well No. 7
660 FSL & 1980 FWL (Unit N)
Section 23, T-23-S, R-36-E, NMPM
Lea County, New Mexico
Injection Interval: 3510' to 3682'

Langlie Lynn Queen Unit Well No. 14
660 FNL & 1980 FEL (Unit B)
Section 23, T-23-S, R-36-E, NMPM
Lea County, New Mexico
Injection Interval: 3408' to 3586'

Langlie Lynn Queen Unit Well No. 12
660 FNL & 1980 FEL (Unit D)
Section 23, T-23-S, R-36-E, NMPM
Lea County, New Mexico
Injection Interval: 3446' to 3682'

Langlie Lynn Queen Unit Well No. 16
1980 FNL & 1980 FWL (Unit F)
Section 23, T-23-S, R-36-E, NMPM
Lea County, New Mexico
Injection Interval: 3468' to 3653'

Langlie Lynn Queen Unit Well No. 18
1980 FSL & 1980 FWL (Unit L)
Section 23, T-23-S, R-36-E, NMPM
Lea County, New Mexico
Injection Interval: 3540' to 3681'

3. Applicant proposes to inject water into the Seven Rivers and Queen formations into each of the additional wells and at the injection intervals described below:

Langlie Lynn Queen Unit Well No. 9
660' FSL & 330' FEL (Unit P)
Section 22, T-23-S, R-36-E, NMPM
Lea County, New Mexico
Injection Interval: 3504-3776'

Langlie Lynn Queen Unit Well No. 3
1980' FSL & 660' FWL (Unit L)
Section 23, T-23-S, R-36-E, NMPM
Injection Interval: 3474-3750'

4. The proposed injection wells are eligible for conversion to water injection under the provisions of Rule 701.

5. The proposed expansion of the above-referenced waterflood project to include the two additional wells will not cause waste or impair correlative rights.

6. With the expansion of the waterflood project, the Unit Operator will be able to recover additional hydrocarbon reserves that would otherwise go unproduced.


7. The expansion of the waterflood project can be accomplished in such a manner to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

WHEREFORE, Applicant prays that this Application be set for hearing before a duly appointed examiner of the Oil Conservation Division on September 18, 2003, and that after notice and hearing as required by law, the Division enter its order amending Order WFX-581-A authorizing the expansion of Applicant's waterflood project and the injection of water into the Langlie Lynn Queen Unit Wells No. 9 and No. 3, and making such other and further provisions as the Division deems appropriate.

Respectfully submitted,

MILLER STRATVERT P.A.

By:



J. Scott Hall
Post Office Box 1986
Santa Fe, New Mexico 87504
(505) 989-9614
Attorneys for Energen Resources, Inc.

Case 13170

Application of Energen Resources Corporation to Expand the Langlie-Lynn Queen Unit Waterflood Project, Langlie Mattix Seven Rivers Queen Grayburg Pool, Lea County, New Mexico. Applicant seeks an order authorizing the expansion of its Langlie-Lynn Queen Unit Waterflood Project in the Langlie Mattix Seven Rivers Queen Grayburg Pool under Injection Permit No. WFX-581-A to inject water into the Seven Rivers and Queen formations through the following wells: (a) Langlie Lynn Queen Unit Well No. 9 located 660 feet from the South line and 330 feet from the East line (Unit P) of Section 22, T-23-S, R-36-E, NMPM, and (b) the Langlie Lynn Queen Unit Well No. 3 located 1980 feet from the South line & 660 feet from the West line (Unit L) in Section 23, T-23-S, R-36-E, NMPM. The subject Unit and wells are located approximately four miles west of Teaque, New Mexico.

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