

BOTTOM HOLE PRESSURE DATA  
CANADA OJITOS UNIT B-32  
SECTION 35, TOWNSHIP 25 NORTH, RANGE 1 WEST  
JANUARY 18, 1985

Bottom hole pressure was measured in the well January 18 to determine maximum reservoir pressure in the vicinity of this well. Tests indicated that the reservoir was of relatively high transmissibility; and that pressure stabilization should occur in a fairly short time.

On January 17, the hole was loaded with 200 barrels of oil to provide an excess pressure on the formation. Bottom hole pressure was run about 16 hours after loading the hole. It is believed that the resulting pressure would be within 50# to 100# of stabilized pressure (and on the high side); such that the resulting measured pressure would be the maximum possible (should the well have been shut in for an indefinitely long time to assure stabilization).

Measured bottom hole pressure: 1615 psig at 7000'

Elevation 7611 RKB  
"C" zone depth 7375  
+236

Extrapolated pressure at 7375:

$$375' \times .36 + 1615 = 1750\#$$

Virgin reservoir pressure at +236'

+ 1950 psig  
(see plats pink and green lines)

1950 - 1750 = 200# less than virgin pressure for this formation at this depth.

CONVERT MEASURED PRESSURE TO +370 DATUM

GAUGE DEPTH 7000 FT      + 610 FT SS.  
GAUGE PRESS. 1615 PSIG

PRESSURE CORRECTION:

$$\Delta P = 0.31 \text{ PS/FT} * (610 \text{ FT} - 370 \text{ FT}) = 74 \text{ PSI}$$

PRESSURE @ +370 (PSIA)

$$P = 1615 \text{ PSIG} + 74 + 15$$

$$P = 1704 \text{ PSIA}$$

BENSON-MONTIN-GREER DRILLING CORP.

221 PETROLEUM CENTER BUILDING, FARMINGTON, N.M. 87401 505-325-8874

March 7, 1985

RECEIVED

MAR 11 1985

KOCH EXPLORATION

Bureau of Land Management  
P.O. Box 6770  
Albuquerque, NM 87107

505-766-334

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Attention: Gary Stephens

New Mexico Commissioner of Public Land  
State Land Office  
Box 1148  
Santa Fe, NM 87501-1148

Attention: Ray Graham

New Mexico Oil Conservation Division  
Box 2038  
Santa Fe, NM 87501

Re: CANADA OJITOS UNIT  
RIO ARRIBA COUNTY, NEW MEXICO  
UNIT NO. 14-08-0001-8526:  
APPLICATION TO EXPAND PARTICIPATING  
AREA TO FORM THE THIRTEENTH REVISION  
OF THE NIOBRARA-GREENHORN PARTICIPATING  
AREA

Gentlemen:

Unit Operator proposes expansion of the Niobrara-Greenhorn Participating Area. Pursuant to Article 5.1 of the Unit Operating Agreement, the Unit Operator has notified all working interest owners of its intention to file this application. No objections to this proposed expansion have been received from any of the working interest owners within the Canada Ojitos Unit. Notification of proposed expansion was sent to all known lessees within the unit area including those who have not committed their interests to the Unit Agreement.

Lands requested to be added by this thirteenth revision are all lands within the third expansion area, and are described as follows:

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