

Figure 5. Data form for assessment of continuous-type accumulations. As an example, form is completed using Intermediate play of the Mississippian and Devonian Bakken Formation, Williston basin (Figure 6).

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DATA FORM FOR ASSESSMENT OF CONTINUOUS-TYPE ACCUMULATIONS

Province Geologist: J.W. Schmoker **Province Name, No.:** Williston basin, 31

Date: 8/2/94 **Play Name, No.:** Bakken Intermediate, 3111

(codes in parenthesis, such as III B, refer to Appendix A)

Play type: Oil or Gas (I C) Confirmed or Hypothetical (I D)

Geologic scenario (I E): one geologic model; Crovelli distribution for number of untested cells.

Play probability (0-1.0) (II A): 1.0 Stop here if play probability does not exceed 0.10
(II B).

Cells (III): Cell size (III A1): 640 acres; 1.0 mi² (acres/640)

Area of play (III A2): 8,185 mi² **Total no. of cells (III A3):** 8,185

No. of productive cells (III B): 76 **No. of nonproductive cells (III C):** 303

No. of untested cells (III D): 7,806 **50th fractile**

Minimum possible number of untested cells (III E1): 976 **100th fractile**

Maximum possible number of untested cells (III E2): 11,709 **0th fractile**

Success ratio (0-1.0) (IV): 0.20

EUR probability distribution (V)*:

Minimum Median Maximum

Fractile: 100th (95th) (75th) 50th (25th) (5th) 0th

EUR (BO or

MMCF) 0 (300) (4,800) 18,000 (59,000) (139,000) 450,000

Data to assess co-products (VI):

_ Oil play - expected GOR: 800 CF/BO

or_ Gas play - expected liquids/gas ratio: _____ BO/MMCF

*100th, 50th, 0th fractiles are required. Other fractiles should be supplied if sufficient data are available.

Selected ancillary data (VII):

Depth (ft) of untested cells (VII A): median 10,500 ; minimum 7,500 ; maximum 11,100

Fraction (0-1.0) of untested cells that will be deeper shallower

tested by wells originally targeted for (VII B): the play 0.8 ; horizon 0.2 ; horizon 0

API gravity of liquids (VII C): 41 degrees

Fraction (0-1.0) of play with "tight" FERC designation (VII D): 0

Fraction (0-1.0) of new wells that will be stimulated (VII E): 0.1