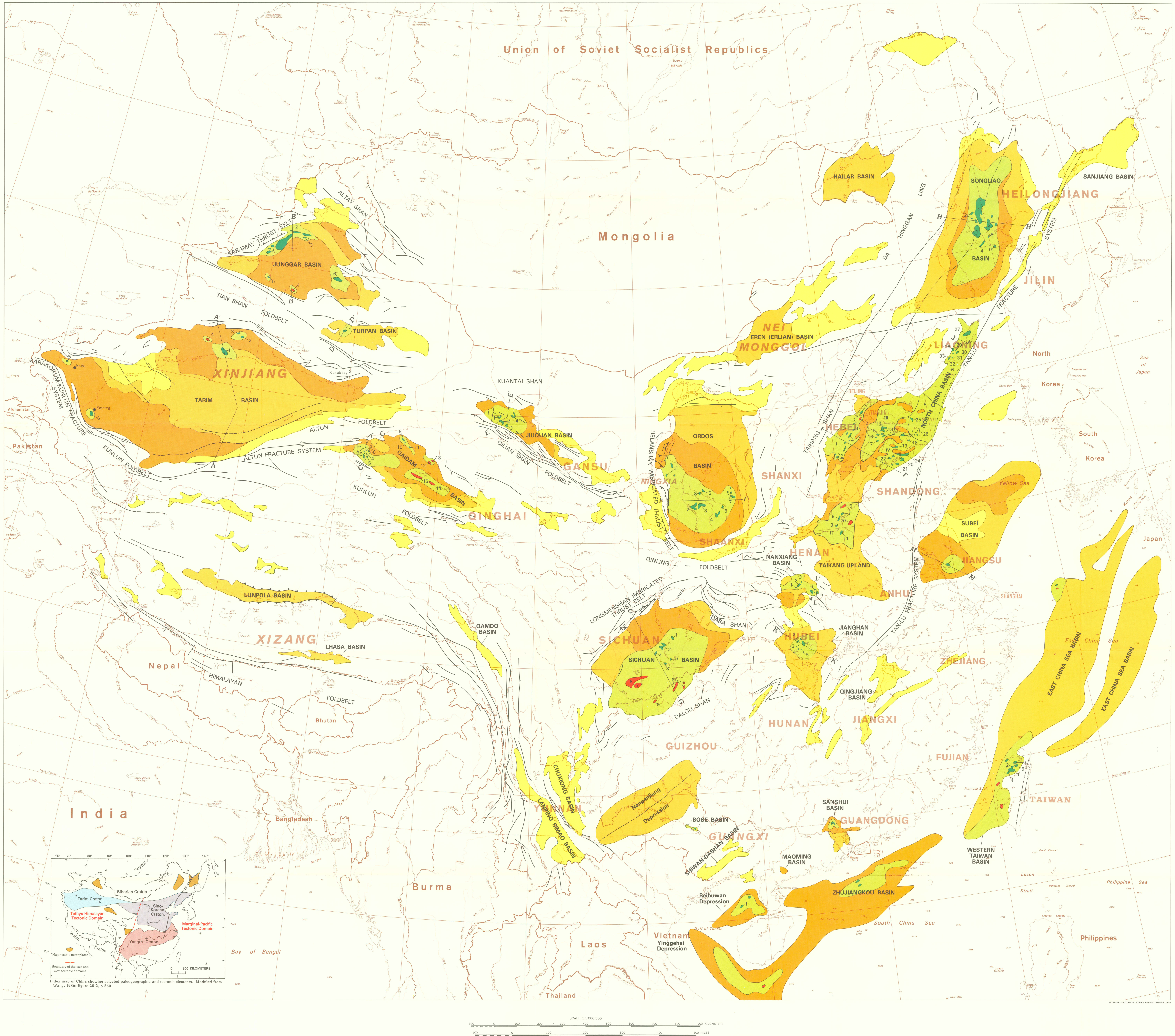
DEPARTMENT OF INTERIOR
U.S. GEOLOGICAL SURVEY

MISCELLANEOUS INVESTIGATIONS SERIES
MAP I–1952 SHEET 1 OF 2




Index map of China showing selected paleogeographic and tectonic elements. Modified from Wang, 1986; figure 20-2, p 260

## EXPLANATION

### LEVELS OF PETROLEUM POTENTIAL

- Areas of established commerical production or probable production confirmed by discovery wells
  - Oil field
  - Gas field
- Areas of high potential for undiscovered oil and gas resources; indicated by shows, appropriate structures, lithofacies, source rocks, reservoirs, and seals
- Area of medium potential for undiscovered oil and gas resources; indicated by favorable regional geologic conditions; few specific targets have been identified
- Area of low potential for undiscovered oil and gas resources; geophysical surveys lacking or incomplete; and dry holes or regional geological evidence suggests absence of source rocks, reservoirs, and traps
- Area of zero or unknown potential for undiscovered oil and gas resources; generally with unsuitable structure and lithology or being deficient in specific geologic data

### FAULTS GENETICALLY RELATED TO BASIN EVOLUTION

- Fault undifferentiated—Dashed, where approximately located or inferred; dotted where concealed
- Strike-slip fault—Arrows show relative horizontal movement
- Thrust fault—Sawteeth on upper plate; includes high-angle reverse and low-angle overthrust faults
- Basin boundary undifferentiated
- Depression boundary in North China basin
- A A′ Approximate location of cross-section

### MAJOR KNOWN OIL AND GAS FIELDS

SONGLIAO BASIN

1. Daqing oil field
2. Gaoxi oil field
3. Songfangtun oil field
4. Fuyu oil field
5. Changchunling oil field
6. Qingshankou oil field

ORDOS BASIN

1. Majiatan oil field
2. Changqing oil field
3. Chenghua oil field
4. Zhilou oil field
5. Wuqi oil field
6. Yanan oil field
7. Yanchang oil field
8. Maline oil field

SICHUAN BASIN

1. Yingshan oil field
2. Nanchong oil field
3. Hechuan oil field
4. Penglaizhen oil field
5. Loutusi oil field
6. Huangkuan Shan gas field
7. Zigong gas field
8. Weiyuan gas field
9. Yankaosi gas field

NORTH CHINA BASIN

(I)[1] Jizhong Depression

1. Bieguzhuang oil field
2. Guxinzhuang gas field
3. Chaheji oil field
4. Renqiu oil field
5. Jingqiu oil field

(II) Dongpu-Kaifeng Depression

6. Weicheng gas field
7. Pucheng oil field
8. Wenliu oil field
9. Qiaokou oil field
10. Baimiao gas field
11. Machang oil field

(III) Huanghua Depression

12. Banqiao oil field
13. Tanjiahe oil field
14. Gangdong oil field
15. Gangxi oil field
16. Zhouqingzhuang oil field
17. Wangxuzhuang oil field

(IV) Jiyang Depression

18. Gudao oil field
19. Shengli oil field
20. Dongying oil field
21. Boxing oil field
22. Pingfangwang oil field
23. Chengbei oil field
24. Shengtuo oil field

(V) Central Bo Hai Depression

25. Shijutuo oil field
26. Central Bo Hai oil fields

(VI) Liaodong Gulf-Liao River Depression

27. Dongshengpu oil field
28. Shuguang oil field
29. Panshan oil field
30. Xinglongtai oil field
31. Dujiatai oil field
32. Qijia oil field
33. Huanxiling oil field

SUBEI BASIN

1. Zhenwu oil field

JIANGHAN BASIN

1. Wangchang oil field
2. Zhongshi oil field
3. Xijiakou oil field
4. Huayuan oil field
5. Xingou oil field

NANXIANG BASIN

1. Dongzhuang oil field
2. Weigang oil field
3. Zhangdian oil field
4. Shuanghe oil field
5. Shiaermen (Xiaermen) oil field
6. Wangji oil field

SANSHUI BASIN

1. Sanshui oil fields

BOSE BASIN

1. Tiandong oil fields

TARIM BASIN

1. Shacan oil field
2. Ichkelik oil field
3. Kan oil field
4. Kosaptok gas field
5. Karato oil field
6. Kekeya oil field

JUNGGAR BASIN

1. Karamay oil fields
2. Uerho oil fields
3. Xiazijie oil fields
4. Qigu gas field
5. Dushanzi oil field
6. Hoyanshan structure (oil accumulation in Permian sandstone reservoir).

QAIDAM BASIN

1. Qigequan oil field
2. Shizigou oil field
3. Youshashan oil field
4. Youquanzi oil field
5. Kaitemilike oil field
6. Xiaoliangshan oil field
7. Nanshan oil field
8. Jiandingshan oil field
9. Lenghu 3 oil field
10. Lenghu 4 oil field
11. Lenghu 5 oil field
12. Mahai gas field
13. Yuka gas field
14. Yanhu gas field
15. Sebei gas field

JIUQUAN BASIN

1. Yaerxia oil field
2. Laojunmiao oil field
3. Shiyoukou oil field
4. Baiyanghe oil field

TURPAN BASIN

1. Shengjinkou anticline (oil accumulation in Jurassic sandstone reservoir).

BEIBUWAN DEPRESSION

1. Weizhou oil field

WESTERN TAIWAN BASIN

1. Chuhuangkeng oil field
2. Chingsheu oil field
3. Chingtsaohu oil field
4. Tiechenshan oil field
5. Yunghoshang oil field

[1] Depressions in the North China basin are identified on the map by Roman numerals.

# GEOLOGIC FRAMEWORK, PETROLEUM POTENTIAL, AND FIELD LOCATIONS OF THE SEDIMENTARY BASINS IN CHINA

By

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