MEXICO'S ENERGY SECTOR

Commercial and Policy Outlook Reports

1999

| Tue, Jan 12 | Pemex production, market and trade statistics, November 1998 | |
|----------------------------------|--|---|
| File 310 Pages Charts 0 | Reports production and trade statistics for petroleum products and natural gas prices for November 1998. | 1 |
| File 311 Pages 1 Charts 0 | Some thoughts about the present and future of Open Access in Mexico. | 2 |
| SAT, JAN 30 | Has the CRE admitted defeat in natural gas marketing? | |
| File 312 Pages 1 Charts 0 | Discussion of the CRE's view of regulatory policy in natural gas markets in Mexico, as presented at the Economist Energy Summit in Houston. | 3 |
| Mon, Feb 1 | CFE investment program 1999-2007 | |
| File 313 Pages 1 Charts 0 | Highlights of the CFE's investment program presented at the annual congress organized by the Mexican Construction Industry Chamber of Commerce. | 4 |
| File 315 Pages Charts | Reviews the Pemex E&P investment program presented at the annual Energy and Industry congress held January 15-16, 1999 in Villahermosa, Tabasco. | 5 |
| Tue, FeB 2 | Alfredo Elias Ayub - new head of CFE | |
| File 314 Pages 2 Charts 0 | The sudden replacement of the CFE's head, Dr. Rogelio Gasca Neri, by Lic. Alfredo Elías allows for two broad interpretations (or "lecturas" as political tea-leaf reading is called in Mexico). Policy conflict. The easiest interpretation is that there was a policy conflict between Gasca Neri and the Energy Ministry led by Luis Téllez over the management of the electric power sector. What is still surprising is that, at least outwardly, the historically weak ministry should have prevailed over the CFE in a matter of policy. | 6 |

MEXICO ENERGY MEXICO ENERGY INTELLIGENCE™ (ISSN 2380-6400) is a digital publication based in Houston since 1996 and edited by market analyst and historian George Baker, Ph.D. We synthesize business journalism and academic scholarship, analyzing law, regulation, policy, and institutional governance in Mexico's energy sector *from the perspective of regulated market solutions*. Subscribers are energy companies, regulators, trade associations, law firms and university libraries. Reports are distributed principally by paid subscription.

| FRI, FEB 5 | PEMEX Gas investment program | |
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| File 316 Pages 1 Charts 0 | Reports Pemex Gas presentation at the annual Energy and Industry congress held January 15-16, 1999 in Villahermosa, Tabasco. | 7 |
| SAT, FEB 6 | LPG production and market outlook | |
| File 317 Pages Charts 5 | In its slide presentation on January 15, 1999 in Villahermosa (MEI 99-316), Pemex Gas (PGPB) provided a forecast of LPG balance for the period 1998-2001. This report provides the highlights of the presentation. | 8 |
| Mon, Feb 8 | Restructuring the electric power sector: soft issues | |
| File 318 Pages 2 Charts 1 | This report discusses the politics of President Zedillo's initiative of February 1999 to restructure Mexico's state-managed power sector. | 9 |
| Tue, Feb 9 | Pemex production, market and trade statistics, December 1998 | |
| File 319 Pages Charts 0 | Report on production and trade statistics for petroleum products and natural gas for December 1998. | 10 |
| SAT, FEB 13 | New energy forecast to 2007 by sector by region | |
| File 320 Pages 2 Charts 5 | Analysis of the Energy Ministry forecast of natural gas consumption to 2007. | 11 |
| Mon, Feb 15 | PEMEX Refining investments program 1999-2001 | |
| File 321 Pages Charts 0 | Review of the presentation by Pemex Refining (PR) to the Construction Industry on January 16, 1999. | 12 |
| TUE, FEB 16 | PEMEX Petrochemical investments program 1999-2001 | |
| File 322 Pages Charts 0 | Report on the presentation by Pemex Petrochemical to the Construction Industry on January 15, 1999. | 13 |

| SUN, FEB | 28 | AMGN presentation Natural Gas Market in Houston | |
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| File Pages Charts | 323 1 | Report on the presentation by the president of the Mexican Natural Gas Association (AMGN) on January 25, 1999 in Hosuton. | 14 |
| Mon, Mai | R 1 | Lajous comments on private investment outlook | |
| File Pages Charts | 324 1 0 | Analysis of Lajous views about private investment in the upstream. | 15 |
| Tue, Mar | 2 | Crude Oil reserve assessments | |
| File Pages Charts | | Comments on the philosophy and practice of resource management of hydrocarbons in Mexico. | 16 |
| Thu, Mar | 4 | PEMEX procurement pitfalls | |
| File Pages Charts | | Examples of how things can go wrong in procurement practices of Pemex Exploration & Production (PEP). | 17 |
| Sun, Mar | 14 | Downward values for Pemex's oil reserves | |
| File Pages Charts | | This report discusses the first downward revisions to Pemex's oil and gas reserves during the time of Adrián Lajous as Director General. | 18 |
| Tue, Mar | 30 | Power savings outlook analysis by Rafael Friedmann | |
| File Pages Charts | - | Document by power market analyst Refael Friedman on the outlook for power savings derived from demand-side management policies. | 19 |
| WED, MA | R 31 | New Pemex oil and gas reserve estimates | |
| File Pages Charts | | Report on the recently issued volumes on Pemex's reserves. | 20 |

| FRI, APR | 2 | Natural gas price behavior | |
|-------------------------|------------|--|----|
| File Pages Charts | | Discussion of the behavior of natural gas prices in Mexico and analysis of key drivers. | 21 |
| SAT, APR | 3 | Pemex and CFE investment programs | |
| File Pages Charts | | Conference proceedings of the 5th annual symposium on energy and construction. A new publication includes the text as well as the view graphs and the clarity of the photocopy is better than the earlier texts. The presentations given in Villahermosa January 15-16 cover the investment programs of the government energy agencies for the next three years. | 22 |
| SUN, APR | 4 | Delay in Congress regarding Zedillo Power Restructuring Initiative | |
| File Pages Charts | | Discussion of the opposition to president Zedillo's power sector restructuring proposal. The opposition parties had agreed not to put up for a vote the Government's proposal of February 3 to privatize the state-owned power industry. | 23 |
| SAT, APR | 10 | LPG markets in Mexico | |
| File Pages Charts | 333 | Outlook for deregulation in Mexico's LPG markets. | 24 |
| WED, APP | ₹ 14 | Gasoline "markets" in Mexico | |
| File Pages Charts | | Review of recent disputes and controversies over gasoline pricing in Mexico. | 25 |
| THU, APR | 22 | Pemex's new 2-volume study of Mexico's hydrocarbon reserves | |
| File Pages Charts | | Report on new publication by Pemex on reserves by 3-P system. | 26 |
| Mon, Apr | ₹ 26 | Trade unionism in Mexico: Ben S. Stepansky & V. Fox | |
| File Pages Charts | | Report about trade unionism in Mexico: Ben S. Stepansky and V. Fox. | 27 |

| TUE, MAY | 11 | Pemex production, market and trade statistics, February 1999 | |
|-------------------------|-----------------|---|----|
| File Pages Charts | 338 0 | Report on production and trade statistics for crude oil, petroleum products and natural gas for February 1999. | 28 |
| THU, MAY | 13 | Neoprotectionist Turn in Procurement and Public Works Regulations | |
| File Pages Charts | | This report offers a critique of proposed modifications to Mexican government procurement laws and their impact on international suppliers. The new legislation is to require that all public tenders take place in Mexico, a step that would have the effect of promoting Mexican intermediaries who would add cost and risk to OEMs. Pemex's procurement department in Houston would be prohibited from holding public tenders in the U.S. The report concludes that the new laws represent an unspoken return to import substitution, and are likely to compromise Mexico's obligations to GATT and NAFTA. | 29 |
| FRI, MAY | 14 | Robert E. Rubin and Mexico | |
| File Pages Charts | 339 1 0 | Discusses the role of former Secretary of the Treasury, Robert E. Rubin, in the financial rescue package for Mexico at the beginning of the Zedillo administration. | 30 |
| THU, MAY | 20 | Year 2000 Presidential Elections (Part 2): Priminary elections rules | |
| File Pages Charts | 340 1 0 | Discussion of PRI's new rules to select its presidential candidate. | 31 |
| TUE, MAY | 25 | "Lajous Doctrine" of the Mexican upstream | |
| File Pages Charts | 341 1 0 | Discussion of a WSJ article about business practices in Pemex and the outlook for privatization. | 32 |
| WED, MA | y 26 | Mexican Government to lift gas import duty July 1 | |
| File Pages Charts | 342 1 0 | Analysis of the effects of the agreement reached to eliminate the import duty on natural gas by July 1, 1999. | 33 |
| THU, JUN | 3 | Pemex market and trade statistics for April 1999 | |
| File Pages Charts | 343 1 | Report on Pemex's production and trade statistics for crude oil, petroleum products and natural gas for April 1998. | 34 |

| FRI, JUN | 4 | Mexican critiques of Zedillo power restructuring initiative | |
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| File Pages Charts | 344 1 0 | Review of the positions and arguments against the power restructuring proposal of president Zedillo. | 35 |
| Sun, Jun | 6 | Year 2000 Presidential Elections (Pt 3): Labastida is next president | |
| File Pages Charts | | MEI's prediction that Francisco Labastida Ochoa will be the PRI candidate to the presidential elections. | 36 |
| Thu, Jun | 10 | FERC Order 636 in Mexico? | |
| File Pages Charts | | Report on the CRE's terms and conditions of the use of PGPB's national pipeline system. | 37 |
| Mon, Jun | ı 21 | Management record of Adrián Lajous | |
| File Pages Charts | | Review of the acomplishments of Adrián Lajous during his career in Pemex. | 38 |
| Tue, Jun | 22 | Pemex CEO talk to AAPG on Mexican oil reserves | |
| File Pages Charts | 349 0 | Analysis of a document presented by Adrian Lajous before a joint meeting in Mexico of the AAPG and AIPM (Asociación de Ingenieros Petroleros de México) in mid-April. | 39 |
| WED, JUN | ı 23 | Change in CFE rules for IPPs to allow private power marketing | |
| File Pages Charts | | Analysis of the CFE ruling that, for the first time, permits bidders in an IPP tender to build additional capacity for direct power sales to parties other than the CFE. | 40 |
| Thu, Jun | 24 | Mexican "communism" in the electric sector | |
| File Pages Charts | 351 | Discussion of address at , by Rosendo Flores, representative of the Mexican Electricians' Union, speaking at the 87th meeting of the International Labor Organization, held in Geneva in June 1999. The topic of his address as the failure of neoliberal economic policies. An English translation of his remarks is provided. | 41 |

| SAT, JUN 26 | | Alphabetical listing and classification of Pemex fields | |
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| File Pages Charts | | Presents MEI's classification of Mexican oil and gas fields in a form useful to the explorationist. | 42 |
| FRI, JUL 2 | 2 | Natural gas import duty Reverse engines | |
| File Pages Charts | | Report on the mexican government decision to postpone the lifting of the natural gas import duty in reaction to the anti-dumping suit against Mexico. | 43 |
| TUE, JUL | 13 | Anti-dumping complaint before US ITC. Alarm sounded | |
| File Pages Charts | | Comments on the anti-dumping complaint raised before the US ITC. | 44 |
| FRI, JUL 2 | 23 | Media crisis over Cantarell Project | |
| File Pages Charts | | Report about the rumors and allegations of poor management and corruption in the development of the Cantarell project. | 45 |
| SAT, JUL | 24 | New LPG regulations | |
| File Pages Charts | | On June 28, 1999 the Mexican government published in the Diario Oficial the long awaited revisions to regulations governing the trade, transportation, storage and distribution of LPG. The new regulations replace those of 1993. | 46 |
| THU, JUL | 29 | Anti-dumping complaint before US ITC. Likely economic consequences | |
| File Pages Charts | • | Discussion of the possible economic consequences of the anti-dumping complaint before the US ITC. | 47 |
| FRI, JUL | 30 | MEI inventory of Pemex oil and gas fields: Northern fields | |
| File Pages Charts | 357 14 1 | This report is a preliminary output from an MEI database of Pemex oil and gas fields. The 164 fields are those of the Burgos Basin and Sabinas Basin, which, in the database, are grouped together under the heading of Northern Border E&P Region. The goal of this database is to capture data on the basic geology, location, type, discovery year and cumulative production of each field. | 48 |

| WED, Au | 3 4 | Petrochemical privatization outlook | |
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| Thu, A ug | 5 | Anti-dumping complaint before US ITC. Settlement outlook | |
| File Pages Charts | 359 1 | Discussion of a possible settlemnt in the anti-dumping complaint before the US ITC. | 50 |
| FRI, AUG | 6 | "Mexico's Energy Sector: Challenges for 21st Century" | |
| File Pages Charts | 360 0 | Analysis of a paper presented by Energy Undersecretary Jorge Chavez at the luncheon program sponsored by the Interamerican Chamber of Commerce, held in Houston on August 6, 1999. | 51 |
| SAT, AUG | 7 | Pioneers in Mexican geophysics after 1938 | |
| File Pages Charts | | Profile of Santos Figueroa, a prominent figure of Pemex's initial exploration efforts. | 52 |
| Mon, Aud | 9 | Anti-dumping complaint before US ITC. Resolved. | |
| File Pages Charts | | Resolution on the oil anti-dumping complaint before the US ITC. | 53 |
| Thu, Aug | 19 | Availability of upstream data | |
| File Pages Charts | • | Discussion of Pemex policy about releasing information and data corresponding to the upstream. | 54 |
| FRI, AUG | 20 | Year 2000 election (Part 4). Gary Hart of Mexican politics? | |
| File Pages Charts | 364 1 0 | Discussion of the race to presidential candidacy by PRI pre-candidates. | 55 |

| SAT, AU | G 21 | Outlook for regulated tariffs | |
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| File | 369 | Report on Pemex's production and trade statistics for crude oil, petroleum products and | 60 |
| Pages | | natural gas for July 1999. | |
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| Mon, Se | EP 13 | Presidential electoral politics and energy policy | |
| File | 370 | This report describes the uncertainty surrounding the selection of the PRI candidate for | 61 |
| Pages | | the presidential elections of 2000, and comments about the competition between Roberto Madrazo and Francisco Labastida. The accomplishments and shortcomings in energy | |
| Charts | s 3 | policy of presidents Carlos Salinas and Ernesto Zedillo are itemized. | |
| WED, SE | EP 22 | Information policy as a constraint on investment in the energy sector | |
| File | 371 | This report draws on an internal database that reports Pemex's published data on | 62 |
| Pages | 5 5 | reserves for selected fields for the Northern Region by geological basin and sub-basin. | |
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| Sun, Oct | 3 | Zedillo Score Card in Energy | |
|-------------------------|------|---|----|
| File Pages Charts | | This a summary of a keynote address at the British American Chamber of Commerce in Mexico City on Energy Day, Oct. 5, 1999. The address analyzed indicators of a transition in the energy sector from a command economy to a market economy. A table lists segments of the energy value chain and asks if a market proposal had been submitted and, if so, implemented. Published in the newsletter of the Chamber, pp. 16-17. | 63 |
| Sun, Oct | 10 | Zedillo Energy Scorecard | |
| File Pages Charts | _ | Discussion of the progress made by the Zedillo adminitration in opening the natural gas and LPG markets. | 64 |
| Mon, Oct | г 18 | Government procurement in the energy sector | |
| File Pages Charts | | Review of the delays in the Cadereyta refinery upgrading and government procurement in the energy sector. | 65 |
| FRI, OCT | 22 | Transition to a market economy in the energy sector: obstacles | |
| File Pages Charts | | British Chamber of Commce address by George Baker: "Transition to a market economy in the energy sector: obstacles" | 66 |
| Tue, Oct | 26 | Oil production, by basin, 1989-98 | |
| File Pages Charts | | Report on oil production statistics by geological basin for the period 1989-1998. The tables were presented at the 1999 Energy Day sponsored by the British Chamber of Commerce of Mexico. | 67 |
| FRI, Nov | 12 | CRE vs. Pemex in future gas sales | |
| File Pages Charts | • | Report on the CRE search for regulatory models of natural gas markets to have open access on PGPB pipeline system. CRE commissioners are pondering a regulatory and legal dilemma: They have been warned by outside academic consultants that unless Open Access takes place on Pemex's pipeline system the entire market reform in both natural gas and electricity is in jeopardy. They are asking themselves the question, Should we be following the Argentine or the American model of gas deregulation? | 68 |
| SAT, Nov | 13 | Topic: Year 2000 Elections (Part 5): Outcome of PRI primary elections | |
| File Pages Charts | | Discussion of the outcome of the PRI presidential primary elections and the outlook for energy policy in the case of a PRI victory. | 69 |

| Sun, Nov 14 | Gas "self-supply" associations as LDC competitors | |
|----------------------------------|--|----|
| File 379 Pages 1 Charts 0 | Analysis of the regulatory concept of self-supply organizations in natural gas and their impact on competition. The Mexican concept of "auto-abastecimiento" (self-supply) is a peculiar feature of Mexican energy regulations, one probably created at the instance of industrialists from Monterrey, where the largest self-supply associations in gas and power are found. The feature permits companies to band together to either petition Pemex, in the case of gas, for service, where, otherwise, any one company's load might be too small to be seen in Pemex's searchlight. | 70 |
| Mon, Nov 15 | Outlook for natural gas storage | |
| File 378 Pages 1 Charts 0 | Natural gas storage was opened to private investors in the presidential decree of November 5, 1995; but, to date, it has been an investment opportunity without investors. On July 26, 1996, an explosion at Pemex's major gas processing facility at Cactus took some 1.0 Bcfd of burner tip gas out of the market for more than a week (MEI 96-127). The offshore, associated gas was flared. Pemex on that day certainly wished that it had invested in gas and LPG storage or had encouraged others to do so. | 71 |
| WED, Nov 17 | Two meanings of PRI for Mexican voters | |
| File 380 Pages 1 Charts 0 | An analysis of why mexican voters have not tossed out the PRI from government in 70 years. | 72 |
| Т ни, N ov 18 | Pemex Sept. statistical report | |
| File 381 Pages 2 Charts 0 | Report on Pemex production and trade statistics for crude oil, petroleum products and natural gas for September 1999. | 73 |
| Fri, Nov 19 | Legal and Institutional Issues Afecting Power Restructuring | |
| File 382 Pages 1 Charts 1 | Discussion of presentations on the power sector given at a panel held in New Orleans on November 5th sponsored by the Mexico Committee of the American Bar Association. The third panelist, from the private sector, focused on legal, regulatory and market obstacles standing in the way of a real market opening in the electric power sector. The paper began with a critique of the pending neoprotectionist legislation regarding Government procurement and public works. | 74 |
| THU, DEC 9 | Rice U. panel: Can the effect of competition be imported? | |
| File 383 Pages 1 Charts 0 | Reviews the discussions about natural gas pricing in Mexico during the electricity panel at the NAFTA conference of Dec. 6-7. | 75 |

| FRI, DEC 10 | Houston Access Mexico 99 conference on NAFTA | |
|----------------------------------|---|----|
| File 384 Pages 1 Charts 0 | "Mexico Access" symposium, sponsored by the Greater Houston Partnership and the Consulate General of Mexico, among others, was held in Houston December 6-7. The theme of this year's conference was "The Five Years of Nafta. Past and Future." | 76 |
| WED, DEC 15 | Resignation of Adrían Lajous as CEO of PEMEX | |
| File 386 Pages 1 Charts 0 | Discussion of the possible motives of the resignation of Adrian Lajous as CEO of Pemex. Three scenarios are analyzed. | 77 |
| Mon, Dec 20 | Pemex natural gas production, by basin and reported field, 1989-98 | |
| File 385 Pages 9 Charts 2 | This report provides an analysis of Pemex natural gas production, by basin and reported field, 1989-98. As Pemex does not provide production information by basin, this report is based on our internal matching of fields and basins. | 78 |
| Tue, Dec 28 | 1999 energy policy balance: market advocates vs. central planners | |
| File 387 Pages 1 Charts 0 | Summary of energy policy balance during 1999: market advocates vs. central planners. The Mexican energy sector is one that is in transition from a command to a market economy. In 1999 the management of the sector was the scene of a struggle between state planners and market advocates. With few exceptions, the state planners and their political and institutional allies held their ground. One result is that the outlook for business deve- lopment favors projects in which private investors operate as contractors to the State-owned energy companies; the outlook for a role for private industry as competitors is problematic. | 79 |
| WED, DEC 29 | Energy sector publications of interest to Mexico watchers | |
| File 389 Pages 1 Charts 0 | This report discusses four commercially available publications of interest to the Mexico energy community. One of these, EL FINANCIERO INTERNATIONAL, has closed. Other publications mentioned include ENERGY OUTLOOK, LA CARPETA PURPURA and PETROLEO Y ELECTRICIDAD. | 80 |
| Тни, D EC 30 | MEI reporting in 1999 | |
| File 390 Pages 1 Charts 2 | Summary of MEI activities during 1999. In 1999 MEI published 85 field and analyst reports (Table 1). Field reports draw on meetings, discussions—and rumors—, while analyst reports draw on published and internal data). These reports, which since March have been issued in both PDF and print versions, cover some 20 topics: the most frequent topics were Upstream (14), Electric power (11), Energy policy (8) and Pemex monthly statistics (7) (Table 2). | 81 |

1999

FRI, DEC 31 End-of-millennium reflections on Mexican outlook

File **388**

Pages 1 Charts 0 End-of-millennium reflections on Mexican outlook. A December 28 New York Times editorial argued that the outlook for economic growth in the next millennium is highest in countries with democratic values and a free-market economy. Individual freedom of choice is the common thread linking political and economic values. How would Mexico score on an individual freedom index? Considerations on the reasons for such a political situation are included.