
   Charts/ Flooding/ Horizontal drilling/ Models/ Petroleum/ Recovery/ Tables (data)/ Wells

   Doc. No: 040648

2. **Advances in technology change the face of LNG**/ Kevin D. Keenan.- Offshore. 2004, April; Vol.64, No.4, p.92-94.

   Adaptation to change/ Construction/ installation/ Liquefactions/ L.N.G./ Offshore/ Regasification/ Science- Technology

   Doc. No: 040678


   Aghajari oilfield/ China/ Drilling/ Gas/ Injection/ Iran/ U.A.E./ Wells

   Doc. No: 040492

4. **All electric subsea system may increase reliability**/ William Furlow.- Offshore. 2004, April; Vol.64, No.4, p.24-26.

   Electricity/ Electric power/ Equipment/ Development/ Hydraulics/ Offshore/ Production/ Reliability/ Wells

   Doc. No: 040668


   Coatings/ Corrosion/ Pigments/ Science- Technology/ Tables (data)

   Doc. No: 040531


   Corrosion/ Charts/ Electrochemistry/ Resistance/ Tables (data)

   Doc. No: 040617

7. **Arab nations sign on to pipeline deal**.- Pipeline & Gas Journal. 2004, April; Vol.231, No.4, p.12.

   Arab countries/ Agreements/ Contracts/ Gas pipelines/ L.N.G./ Supply(economics)

   Doc. No: 040630


   Argentina/ C.N.G./ Crisis/ Energy/ Economic growth/ Gasoline/ Latin America/ Management

   Doc. No: 040654
Chart/Corrosion/Stainless steels/Tables (data)
Doc. No: 040618

Australia/Charts/Exploration/Growth/New Zealand
Doc. No: 040688

Azadegan oil field/Agreements/Contracts/ Crude oil/Development/Iran/Japan/ N.I.O.C./ Nuclear energy/Political problem/U.S.A.
Doc. No: 040571

Construction/Gas/Facilities/Nigeria/Plants/Shell
Doc. No: 040640

13 Big budgets for Brazil and Mexico/ Judy Maksoud.-Offshore. 2004, May; Vol.64, No.5, p.36,37.
Alaska/Argentina/Brazil/Budget/Canada/Charts/Exploration/gulf/Mexico/Venezuela
Doc. No: 040691

14 Bigger fish to fry on exploration menu/ Vahe Petrossian.-Upstream. 2004, May 20; Vol.9, No.21, p.32.
Caspian sea/Development/Exploration/Iran/N.I.O.C./Offshore/Political problem
Doc. No: 040603

Agreements/Contracts/Indonesia/Japan/L.N.G.
Doc. No: 040725

B.P./ Iran/L.N.G./Projects
Doc. No: 040500
17 **BP's world class pipeline development.** - Pipeline & Gas Journal. 2004, April; Vol.231, No.4, p.55, 56.

B.P./ Construction/ Development/Gas/ gulf/Mexico/ Pipeline transportation/ Projects/U.S.A.
Doc. No: 040641

18 **BTC could check Iran's swap plans.** - Petroleum Intelligence Weekly. 2004, May 10; Vol.43, No.12, p.2.

Crude oil/ Caspian sea/ Exports/ Iran/ N.I.O.C./ Production/ Tenders and bids/ Tehran refinery
Doc. No: 040505

19 **Caspian Sea poised for growth**/ Judy Maksoud.- Offshore. 2004, May; Vol.64, No.5, p.38, 42.

Azerbaijan/ Bahrain/ Caspian sea/ Charts/ Growth/ Gas/ Iran/ Kazakhstan/ Oman/ Petroleum/ Qatar/ Reserves/ Russia/ Saudi Arabia/ Turkmenistan/ U.A.E.
Doc. No: 040692

20 **Cell spar enables red hawk development**/ William Furiow.- Offshore. 2004, April; Vol.64, No.4, p.89, 90.

Construction/ Development/ Design/ installation/ Systems analysis
Doc. No: 040677

21 Composite- lined tubing for water injection in the tough environment of the North Sea/ Bjorn Melve, Perry Nice & Mike Posson.- Offshore. 2004, May; Vol.64, No.5, p.54- 58.

Injection/ North sea/ Norway/ Production/ Statoil/ Tubes/ Tests/ Tables (data)/ Water/ Well tests
Doc. No: 040697

22 **ConocoPhillips joins the GTL bandwagon.** - Country Report-Qatar. 2004, April; Vol.4, No.4, p.25.

Agreements/ Contracts/ Conoco Philips/ Gas/ Liquid/ Projects/ Qatar/ U.S.A.
Doc. No: 040563

23 **Construction vessel marks debut with** Snohvit templates/ Nick Terdre.- Offshore. 2004, May; Vol.64, No.5, p.92.

Construction/ Maritime industry/ Norway/ Shipbuilding
Doc. No: 040703

24 **Coping with drilling surprises**/ Judy Maksoud.- Offshore. 2004, April; Vol. 64, No.4, p.76.

Borehole/ Charts/ Drilling/ Measurement/ Pressure/ Well completion
Doc. No: 040675
Corrosion/ Coatings/ Charts/Photographs/ Science-Technology/ Tables (data)
Doc. No: 040548

Accountants/ Engineers/ Estimating/ Oil companies/Optimization/Petroleum/ Reserves/ Shell/ Tables (data)
Doc. No: 040565

27 CRC-EVANS pipeline equipment wins contracts in India, Russia.- Pipeline & Gas Journal. 2004, April; Vol. 231, No. 4, p. 12.
Agreements/ Contracts/ Equipment/ India/ Pipelines/Russia
Doc. No: 040628

28 Current technologies for the thermo-conversion of biomass into fuels and chemicals/Ayhan Demirbas.- Energy Sources. 2004, July 2; Vol. 26, No. 8, p. 715-730.
Biomass/ Charts/ Conversion/ Chemicals/ Extraction (minerals)/ Fluids/ Fuels/ Gasification/Liquefactions/ Science-Technology/ Tables (data)
Doc. No: 040647

29 Deepwater project marks milestone in downhole readout systems/ Mark Bowman.- Offshore. 2004, April; Vol. 64, No. 4, p. 32-35.
Deep water/ Monitoring/ Projects/ Production/ Science-Technology/ Shell
Doc. No: 040670

Deep water/ Exploration/ Gas/ Maps/ Network analysis/ Seismic data
Doc. No: 040726

31 Denmark: Customized grout secures Valhall piles.- Offshore. 2004, May; Vol. 64, No. 5, p. 122, 123.
Companies/ Denmark/ Development/Materials
Doc. No: 040718

32 Denmark: Dry/wet friction braking.- Offshore. 2004, May; Vol. 64, No. 5, p. 124.
Denmark/ Equipment/ industries
Doc. No: 040719

Coatings/ Charts/ Oxides/Resistance/ Science-Technology/ Stainless steels/ Temperature/Titanium/ Tables(data)
Doc. No: 040535

34 DNV sets the standard for risk assessment/ Judy Maksoud.- Offshore. 2004, May; Vol.64, No.5, p.88, 90.

Construction/ Charts/installation/ Project management/ Risk
Doc. No: 040702

35 E&P up on a global scale/ Judy Maksoud.- Offshore. 2004, May; Vol.64, No.5, p.22.

Charts/ Development/Exploration/Fields/ Offshore/ World
Doc. No: 040687


Acid treatment/ Corrosion/ Charts/ Electrochemistry/ Resistance/ Tables (data)
Doc. No: 040534


Acids/ Carbon steels/ Charts/Corrosion/ Steels/ Tables (data)
Doc. No: 040544


Charts/ Engineering/ Project management/ Projects/ Scheduling/ Tables (data)
Doc. No: 040508


E.U./ Investments/ Trade
Doc. No: 040664

40 The end of cheap oil/ Tim Appenzeller.- National Geographic. 2004, June 7; Vol.5, No.6, p.80- 109.

Crude oil/ Charts/ Cost/Consumption/ Discovery/Expenses/ Gas/ Gasoline/ Petroleum/ Petroleum markets/ Production/ Polymers/ Photographs/ Supply(economics)/ Wells/ World/ U.S.A.
Doc. No: 040506
41. **Energy demand forecasting by thermodynamic analysis of energy consumed processes**
   V.S. Stepanov & T.B. Stepanova.
   Analysis/ Consumption/ Charts/ Energy/ Demand (economics)/ Forecasts/ Tables (data)
   Doc. No: 040510

42. **Energy- environment- city triangle**
   Huseyin Gunerhan & Sibel Agi.
   Development/ Energy/ Environments/ Turkey
   Doc. No: 040511

43. **Environment and safety**
   Control/ Corrosion/ Environments/ Health/ Legislation/ Occupational safety/ Organizations/ Safety/
   Tables (data)/ Water/ Wastes
   Doc. No: 040549

44. **Environment and Safety: HSE issues warning on construction work near water after environment agency is fined over drowning**
   Construction/ Environmental health/ Industries/ Safety
   Doc. No: 040622

45. **Environment and Safety: Machines still kill**
   Health/ Safety/ Industries
   Doc. No: 040624

46. **Environment and Safety: Manufacturer ordered to pay 16,000 Pounds for failure to classify pigment**
   Health/ Materials/ Pigments/ Safety
   Doc. No: 040623

47. **An evaluation of rust conversion coatings in simulated reinforced concrete pore solutions**
   Griselda Guidoni & Marcela Vazquez.
   Alloys/ Corrosion/ Chemicals/ Charts/ Iron alloys/ Properties/ Tables (data)
   Doc. No: 040532

48. **Fanavaran reaching commercial level with Bandar Imam methanol output**
   Bandar Khomeini/ Commerce/ Iran/ Methanol/N.P.C./ Petrochemical plant/ Production
   Doc. No: 040583
49 Fierce competition narrows supply vessel prospects/Jaime Kammerzell.-Offshore.2004, May; Vol.64, No.5, p.76, 78.
Forecasts/ Gulf/ L.N.G./ Mexico/ Oil companies/Shipbuilding/ Tables (data)
Doc. No: 040699

Banking business/Companies/Foreign/Iran
Doc. No: 040521

51 France: Angola deepwater FPSO tailored to shipyard work processes.- Offshore.2004, May; Vol.64, No.5, p.104,106.
Angola/ Deep water/ Development/ France/Floating/ modular/ Projects
Doc. No: 040707

52 France: Bureau veritas analyzing stresses on tandem- moored and converted floaters.- Offshore.2004, May; Vol.64, No.5, p.102.
Analysis/France/floater/Mooring/Offshore/ Projects
Doc. No: 040706

53 France: Deepwater Mediterranean test site taking shape.- Offshore.2004, May; Vol.64, No.5, p.118.
Deep water/ France/ Maritime industry/ Mediterranean sea/ Mooring/ Tests
Doc. No: 040716

54 France: Fabricator’s focus switches to modular living quarters.- Offshore. 2004, May; Vol.64, No.5, p.108.
Gas lift operations/ France/modular/ Offshore
Doc. No: 040708

55 France: Flexible riser connections adapted to testing deepwater applications/ Jean-Pierre Chaumieau & Jacques Rey.- Offshore. 2004, May; Vol.64, No.5, p.114.
Charts/ Deep water/ France/ Tests
Doc. No: 040713

56 France: FPSO monitoring technique improves damage tracking and prevention/ Pierre Guerin.- Offshore.2004, May; Vol.64, No.5, p.112.
Damage/ France/ Monitoring/ Offshore/Prevention/Sea water
Doc. No: 040711
57 **France: French offshore contractors start year with major contracts.** Jeremy Beckman.- Offshore. 2004, May; Vol.64, No.5, p.109, 117.

Agreements/Contracts/France/Offshore
Doc. No: 040710

61 **France: Total takes oilfield E&P to the city.**- Offshore. 2004, May; Vol.64, No.5, p.115.

France/ Oil fields/ Petroleum industry/ TotalFinaElf
Doc. No: 040714


France/ Flow/ Hydrogen/ Pipes(tubes)/ Projects
Doc. No: 040715

62 **France: Water-driven technique quickens recovery from sunken tankers.**- Offshore. 2004, May; Vol.64, No.5, p.109,117.

Cleaning/ Contracts/ Equipment/ France/Recovery/Water treating
Doc. No: 040709

59 **France: Shock absorbers ease deck-jacket transfer.** - Offshore. 2004, May; Vol.64, No.5, p.120.

Absorbers (equipment)/ France/ Equipment/ installation
Doc. No: 040717

63 **Gas utility taps AMR technology to improve efficiency in Southern Idaho.**/ Christina Kelly.-Pipeline & Gas Journal.2004,April; Vol.231, No.4, p.16- 20.

Gas/ Natural gas/Science-Technology/ Utilization
Doc. No: 040633

60 **France: Synthetic grooves for which cut mooring abrasion.** - Offshore. 2004,May; Vol.64, No.5, p.113.

Abrasive powers/ Deep water/ Damage/ Mooring
Doc. No: 040712

64 **Geopressure compartmentalization forms gulf of Mexico targets.**/ Selim Shaker.- Offshore. 2004, April; Vol.64, No.4, p.100- 104.

Charts/ Exploration/ Gas/ Geology/ Geophysics/ Mexico/ Offshore/ Petroleum/ Reserves
Doc. No: 040680
65 Global oil markets and the price of oil
Michael J. Economides. - Offshore. 2004, April; Vol. 64, No. 4, p. 132.
Crude oil/ Futures market/ Market economy/ OPEC/ Petroleum markets/ Prices/ World
Doc. No: 040685

66 Global petrochemicals to see robust earnings as supplies shrink
Charts/ Demand (economics)/ Market economy/ Olefin/ Petrochemicals/ World
Doc. No: 040538

67 Growing LDCs tell how they manage
Lew Bullion. - Pipeline & Gas Journal. 2004, April; Vol. 231, No. 4, p. 73, 88.
Distribution/ Growth/ L.D.C./ Management systems/ Management/ Natural gas/ U.S.A.
Doc. No: 040646

68 Halliburton’s drilling teamwork on Pars
Vahe Petrossian. - Upstream. 2004, April 30; Vol. 9, No. 18, p. 16, 17
Drilling/ Development/ Halliburton/ Iran/ N.I.D.C./ Projects/ South Pars gas field/ Tenders and bids/ U.S.A./ Wells
Doc. No: 040487

69 Hopefuls vie for South Pars slice
Vahe Petrossian. - Upstream. 2004, April 30; Vol. 9, No. 18, p. 27.
Iran/ Oil fields/ Projects/ South Pars gas field/ Tenders and bids/ Zanganeh, Bijan
Doc. No: 040490

70 Hydro gears up for Anaran bid
Anaran/ Crude oil/ Drilling/ Inpex/ Norsk Hydro/ Iran/ Reserves
Doc. No: 040488

71 Hydrocarbons cooperation with Iraq continues
Cooperation/ Hydrocarbons/ Iraq/ Pipeline construction
Doc. No: 040574

72 IDB grants Iran 39Mn loan for dam and irrigation project
Islamic banks/ Iran
Doc. No: 040485

Analysis/ Charts/Construction/ Engineering/ Labour productivity/ Models/ Productivity/ Research/ Tables (data)/ U.S.A. 
Doc. No: 040509

74 Independents come knocking as Norway opens its doors/Nick Terdre.-Offshore. 2004,April; Vol.64, No.4, p.116,117.

Gas/Norway/Oil companies/Petroleum 
Doc. No: 040683

75 India gambles on deepwater play/M. Sngh Gandhi.-Offshore. 2004,May; Vol.64,No.5, p.52, 53.

Drilling/Deep water/Discovery/India/ Natural gas/ Production/ Wells 
Doc. No: 040696


Corrosion/Contracts/Companies/ Minerals/ Photographs 
Doc. No: 040550


Industries/Innovations/Management/Safety 
Doc. No: 040539


Concretes/Chlorides/Corrosion inhibitors/ Charts/ Steels/ Tables (data) 
Doc. No: 040545


Charts/ Corrosion inhibitors/ Corrosion/ Persian gulf states/Steels/Tables (data) 
Doc. No: 040546

80 Inpex shores up Azadegan win/ Vahe Petrossian.- Upstream. 2004,May 7; Vol.9, No.19, p.7.

Azadegan oil field/Development/Iran/ Inpex/Indonesia/ Japan/ N.I.O.C./ Oil companies/ Projects 
Doc. No: 040493
Charts/ Development/ Management/ Models/ Process control/ Risk/ Scenario planning/ Systems analysis/ Tables (data)
Doc. No: 040727

Bandar Abbas/ Corrosion/ Charts/ Coatings/ Electric power/ Instruments/ Persian gulf states/ Science- Technology/ Tables (data)
Doc. No: 040619

83 IOOC in move to slash Kharg costs/ Vahe Petrossian.- Upstream. 2004, May 7; Vol.9, No.19, p.16.
Doc. No: 040495

Accumulation/ Iran/ Petroleum/ Revenue/ Surplus
Doc. No: 040484

85 Iran backs new amendment to oil law/ Vahe Petrossian.- Upstream. 2004, April 30; Vol.9, No.18, p.6.
Foreign/ Gas/ Investments/ Iran/ Law/ Petroleum/ Parliament
Doc. No: 040486

Canada/ Development/ Ethylene/ Iran/ Methane/ N.P.C./ Science- Technology/ U.S.A.
Doc. No: 04058

Iran/ Investments/ Inspection/ Norway/ Statoil
Doc. No: 040599

Bandar Assaluyeh/ Exploitation/ Ethylene/ Iran/ Maps/ N.P.C./ Olefin/ Petrochemicals/ Production/ Projects/ Photographs
Doc. No: 040555
89 **Iran: Financial close nears on Rudeshur power project.** - Meed. 2004, May; Vol. 48, No. 19, p. 19.

Financing/ Iran/ Power/Projects
Doc. No: 040554

90 **Iran in search of a strategy**/ Vahe Petrossian.- Upstream: (LNG inside upstream). 2004, May 7; Vol. 9, No. 19, p. 8, 9.

Doc. No: 040497


buy-back/ Foreign corporations/ Government/Iran/ International organizations/Investments/N.I.O.C.
Doc. No: 040570


Crude oil/ Caspian sea/ Facilities/ Iran/ Khatami, Seyed Mohammad
Doc. No: 040516

93 **Iran issues tender documents for Assaluyeh olefin cracker.** - Petrochemical News. 2004, May 10; Vol. 42, No. 19, p. 3.

Bandar Assaluyeh/ Iran/ N.P.C./ Olefin/ Tenders and bids
Doc. No: 040580


Economics/ Iran/ Inflation/Parliament/ Prices/Reforming
Doc. No: 040513

95 **Iran: (LNG sale to China).** - Arab Oil & Gas. 2004, June 1; Vol. 33, No. 785, p. 22.

China/ Iran/ L.N.G./N.I.O.C./ Terminal facilities/ Supply (economics)
Doc. No: 040652

96 **Iran: Macroeconomic data.** - MEM. 2004, June; Vol. 14, No. 6, p. 11.

Economic growth/ Foreign trade/ Investments/ Iran/ Tables (data)
Doc. No: 040515


Construction/Contracts/Ethane/Iran/ Tenders and bids
Doc. No: 040553

98 **Iran: (New in brief).** - Petroleum Economist. 2004, May; Vol. 71, No. 5, p. 45.

Agreements/Agip/Aghajari oilfield/Balal oil field/Cooperation/ Contracts/ Development/ Gas fields/ Iran/ Natural gas/ N.I.O.C./ Nuclear energy/ Production/ Projects/
TotalFinaElf
Doc. No: 040666
Capacity/ Expansion/ Gas processing/ Iran/ N.I.O.C./ N.I.G.C.
Doc. No: 040585

Agreements/ Development/Iran/ N.I.O.C./Petronas/Projects/South Pars gas field/ TotalFinaElf
Doc. No: 040481

101 Iran: NIOC to tender 16 blocks for exploration/development in 2004 and hopes to boost oil production capacity by 250,000 B/D in 2005. - Arab Oil & Gas. 2004, June 1; Vol. 33, No. 785, p. 22.
Crude oil/ Capacity/ Development/ Exploration/Iran/ Natural gas/N.I.O.C./ Petroleum/ Production/Tenders and bids
Doc. No: 040651

Catalysts/Iran/N.P.C./Science-Technology/ U.S.A.
Doc. No: 040552

Azadegan oil field/ Capacity/ Iran/ N.I.O.C./ Production/Petroleum
Doc. No: 040650

Banking business/Caspian sea/Economics/ Khatami, Seyed Mohammad/ Finance/ Petroleum/ Politics/ Projects/ Risk/ Reforming/ Tenders and bids
Doc. No: 040514

Balal oil field/Development/Iran/N.I.O.C./ Offshore/TotalFinaElf/ Zanganeh, Bijan
Doc. No: 040586

Central banks/ Debts/ Iran/ Statistics(data)/Tables(data)
Doc. No: 040522

Investments/ Iran/Legislation/
Petroleum/ Regulations
Doc. No: 040598


Companies/ France/Germany/ Iran/N.P.C./ Petrochemical plant/ Production/ Tenders and bids
Doc. No: 040577


Agreements/ Contracts/Iran/ Methanol/N.P.C.
Doc. No: 040575

112 **Iran seeks to export gas to Europe by pipeline.** -Country Report- Iran. 2004, March; Vol.4, No.3, p.32.

Europe/ Exports/ Gas/ Iran/ Pipelines
Doc. No: 040573


Agreements/ Contracts/France/ Iran/ L.N.G./ Malaysia/N.I.O.C./ Oil companies/Petronas/
TotalFinaElf
Doc. No: 040608


Contracts/Development/Iran/Negotiations/
Projects/Petroleum/Upstream operations
Doc. No: 040591


Ethylene/ Iran/ N.P.C./ Polyethylene/
Plants/ Tenders and bids
Doc. No: 040579

114 **Iran Special Report: Iran widens its door to the Caspian.** -Weekly Petroleum Argus. 2004, May 24; Vol.34, No.20, p.10.

Azerbaijan/Caspian sea/Crude oil/Iran/
Pipeline construction/ Sanction/
Tehran refinery/ U.S.A.
Doc. No: 040594

Contracts/ Exploration/ Gas/ Hydrocarbons/ Iran/ N.I.O.C./ Petroleum/ Tables (data)/ Tenders and bids

Doc. No: 040590


Gas/ Iran/ L.N.G./ N.I.O.C./ Petroleum/ Projects/Strategy/ Tables (data)

Doc. No: 040592


Gas/ Iran/ Infrastructure/ Khatami, Seyed Mohammad/ Maps/ Nuclear energy/ N.I.O.C./ Politics/ Petroleum/ Parliament/ Sanction/ U.S.A.

Doc. No: 040589

119 **Iran to upgrade Isfahan refinery**.- Weekly Petroleum Argus. 2004, May; Vol.34, No.18, p.12.

Contracts/ Foreign corporations/ Iran/ Isfahan refinery/ Project planning/ Tenders and bids

Doc. No: 040480

120 **Iran warns Qatar not to "overproduce"**.- World Gas Intelligence. 2004, April 28; Vol.15, No.17, p.5.

Gas/ Iran/ L.N.G./ Qatar/ South Pars gas field

Doc. No: 040478


Doc. No: 040653


Exports/ Gas/ I.O.C./ Iran/ L.N.G./ Projects/ Qatar/ Tables (data)/ Zanganeh, Bijan

Doc. No: 040551

Development/ Economics/ Iran/ Reforming/ Scheduling/Parliament
Doc. No: 040520


Gasoline/ Khatami, Seyed Mohammad/ Iran/ Parliament/ Prices
Doc. No: 040482


Capacity/Iran/N.P.C./Petrochemicals/ Zanganeh, Bijan
Doc. No: 040518

126 **Iraq: Testing the waters.** Steven A. Wardlaw, Matthew Williams & Baker Botts.-Petroleum Economist. 2004, May; Vol.71, No.5, p.34.

Agreements/Contracts/Iraq/Law/Models/ Government/Government policies
Doc. No: 040665

127 **Is nanotech ready for its close-up?** Nicholas Varchaver.-Fortune. 2004, May 24; Vol.149, No.8, p.79-83.

Companies/ Forecasts/ Industries/ Market economy/ Projects/Science-Technology
Doc. No: 040512


Agreements/Contracts/Italy/polypropylene/ Plants/ Saudi Arabia
Doc. No: 040613

129 **Jackups head for deeper water.** Barry Harding & Judy Maksoud.-Offshore. 2004, April; Vol.64, No.4, p.78.

Construction/ Drilling rig/ Drilling/ Deep water/ Well completion
Doc. No: 040676


Agreements/Arak refinery/N.I.O.C./Projects
Doc. No: 040517
131 **Kazakh leaders reach agreement with oil consortium.**-Pipeline & Gas Journal. 2004, April; Vol.231, No.4, p.12.

Agreements/Contracts/Drilling/Kazakhstan/Kashagan/Petroleum/Wells
Doc. No: 040631

132 **Keyhole coring technology: cost saving solution for underground main repairs.**-Pipeline & Gas Journal. 2004, April; Vol.231, No.4, p.72.

Cost/Gas pipelines/Science-Technology
Doc. No: 040645

133 **The keys to forecasting -- #3 change control/**

Adaptation to change/ Control/Communication/Charts/Engineering/Forecasts/Management/Project control/Project management/Tables(data)
Doc. No: 040507


Iran/N.P.C./Petrochemical plant/Petrochemicals/Science-Technology
Doc. No: 040576

135 **KNPC signs data management deal with hi-tech firm STMI.**-OPEC bulletin. 2004, March; Vol.35, No.2, p.54.

Agreements/Contracts/Kuwait/Oil companies/Management
Doc. No: 040614

136 **Korea struggles with its own version of deregulation.**-Pipeline & Gas Journal. 2004, April; Vol.231, No.4, p.68-71.

Deregulation/Gas/Imports/South Korea/L.N.G./Market economy
Doc. No: 040644


Agreements/Gas/Iraq/Kuwait/Natural gas/Supply(economics)
Doc. No: 040519

138 **Latest advances in the understanding of acid dewpoint corrosion: corrosion and stress corrosion cracking in combustion gas condensates/**

Corrosion/Cracking(fracturing)/Charts/Gas/Stress corrosion/Tables(data)
Doc. No: 040615
139  **Leading central bankers warn that rising oil price is fuelling inflation.** - Financial Times. 2004, May 7; No.35447, p.1.

Central banks/Inflation/Petroleum/Prices/World
Doc. No: 040526

140  **LNG markets: India: Petronet pencils in Iran supply deal**/ Bevis Yeo.- Upstream. 2004, June 4; Vol.9, No.23, p.16.

Agreements/Contracts/Iran/India/L.N.G./Purchasing
Doc. No: 040724

141  **Makeover of LDCs under way but where is it headed?**/ William Hutton, Omega Tools & Jeffery Hunter.-Pipeline & Gas Journal. 2004, April; Vol.231, No.4, p.14, 15.

Adaptation to change/Industries/L.D.C.
Doc. No: 040632


Agreements/Armenia/Contracts/Electricity/Gas/Iran/ Pipeline construction/Tenders and bids
Doc. No: 040604

143  **Market Overview: In the crucible.** -Weekly Petroleum Argus. 2004, May 24; Vol.34, No.20, p.16.

Charts/Gas/Market economy/Oil companies/Petroleum/Prices/Supply (economics)/Tables (data)/U.S.A.
Doc. No: 040597

144  **Mauritania moves closer to first oil**/ Catriona Boggan.-Offshore. 2004, April; Vol.64, No.4, p.56-58.

Development/Discovery/Environments/Oil fields/Production/Tables (data)
Doc. No: 040672

145  **Mediterranean and Black seas to see more investment**/ Judy Maksoud.-Offshore. 2004, May; Vol.64, No.5, p.44.

Charts/Europe/Investments/Mediterranean sea/Offshore/U.K.
Doc. No: 040693


Aluminum/Automation/Industries
Doc. No: 040621

Control/ Cooling/ Corrosion/ Monitoring/ Maintenance/ Photographs/ Reliability/ Tables (data)/ Water
Doc. No: 040541


Forecasts/ Industries/ Market economy/ Projects/Science-Technology/ U.S.A.
Doc. No: 040504


Design/ Operation/ Processing/ Photographs/ Safety/ Systems analysis/Tables (data)
Doc. No: 040542

150 A new corrosion-resistant material for use as an inert anode in electrolytic molten salt aluminium extraction systems/ Li Yuchun...[et al].- Anti-Corrosion Methods and Materials. 2004; Vol.51, No.1, p.25- 30.

Aluminum/ Corrosion/ Charts/Extraction (minerals)/ Tables (data)
Doc. No: 040533

151 New fracturing fluids minimize costs, risks, logistics, deck space requirements/ Perry Baycroft.- Offshore. 2004, April; Vol.64, No.4, p.28-31.

Cost/ Charts/ Fluids/ Fracturing/ Grease/ Operation/ Petroleum/ Production/ Risk
Doc. No: 040669

152 New generation subsea excavator.- Pipeline & Gas Journal. 2004, April; Vol.231, No.4, p.33.

Excavations/ Norway/ Offshore/ Pipelines
Doc. No: 040637

153 New LNG conversion technology expands terminal options/ Michael M. McCall...[et al].- Offshore. 2004, May; Vol.64, No.5, p.94, 96.

Conversion/ Gas storage/ L.N.G./ Maps/ Pipelines/ Science-Technology/ Terminal facilities/ Transportation/ U.S.A.
Doc. No: 040704

154 New system at Heidrun removes sulfate from seawater/ Tony Vaughan, Wayne Evans & Jeremy Beckman.- Offshore. 2004, May; Vol.64, No.5, p.80- 84.

Injection/ Norway/ Sulfates/ Sea water/ Statoil/ Tables (data)/ Water treating
Doc. No: 040700
155  **NIGEC signs agreement to deliver Iranian gas to Armenia.** - Mees. 2004, May 24; Vol. 47, No.21, p.A17.

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160  **Offshore pipelines: A $54 billion market/**

Steve Robertson, John Westwood & Douglass Westwood.-Pipeline & Gas Journal. 2004,April;Vol.231, No.4, p.50- 52.

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157  **NOIA political action: Success in the hands of industry employees.** - Offshore. 2004, May; Vol.64, No.5, p.62- 64.

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158  **Norway: IFE project to extend modeling ability for long-distance multiphase flows.** - Offshore. 2004, April; Vol.64, No.4, p.114.

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Oil and gas: More gas joint ventures agreed.

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164 Oil and gas: Oil prices remain high.-Country Report- Qatar. 2004, April; Vol.4, No.4, p.22,23.

Oil and gas: Oil prices remain high.

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Oil and gas: Oil prices strengthen on OPEC cuts.

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Oil and gas: Talks restart over Bahraini purchase of Qatari gas.

Agreements/ Bahrain/Contracts/ Gas/ Iran/ Negotiations/ Purchasing/Qatar

Doc. No: 040557

167 Oil price spike puts inflation back on agenda/ Kevin Morrison.- Financial Times. 2004, May 8; No.35448, p.12.

Oil price spike puts inflation back on agenda.

Charts/Inflation/Petroleum/Prices/World

Doc. No: 040525

168 Oil prices stoke inflation fears/ Dave Shellock.-Financial Times. 2004, May 7; No.35447, p.31.

Oil prices stoke inflation fears.

Charts/Inflation/Petroleum/Prices/World

Doc. No: 040527

169 Oil production - the environment angle.-International Herald Tribune. 2004, May 12; No.37689, p.3.

Oil production - the environment angle.

Environments/ Environmental protection agency/ Oil companies/ Petroleum/ Production/ Russia/ Siberia

Doc. No: 040530

170 Oilfield Bulletin: Technology focus on carbonate reservoir stimulation.- Offshore. 2004, April; Vol.64, No.4, p.9.

Oilfield Bulletin: Technology focus on carbonate reservoir stimulation.

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183 **Petropars takes over Bid Boland gas scheme**/ Vahe Petrossian.- Upstream. 2004; May 7; Vol.9, No.19, p.28.

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180 **Persian LNG last throw of dice for Shell in Iran**/ Vahe Petrossian.-Upstream; (LNG inside upstream). 2004; May 7; Vol.9, No.19, p.10.

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184 **Pigging and inspection: some recent operational developments and products**.- Pipeline World. 2004; April; Vol.4, No.2, p.54, 55.

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181 **Petrobras takes step to Iran deal**/ Vahe Petrossian.- Upstream. 2004; May 20; Vol.9, No.21, p.6.

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185 **Pipeline dewatering project meets technology, weather challenges**/ Eldon Ball.- Offshore. 2004; April; Vol.64, No.4, p.96-98.

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182 **Petrobras to drill in Iran**.-Weekly Petroleum Argus. 2004; May 24; Vol.34, No.20, p.12.

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PRAC maximizes research results through 'clusters of excellence'.- Offshore. 2004, May; Vol. 64, No. 5, p. 128.

195 Qatar plans to increase liquefied natural gas exports to 60 million tonnes/year by 2010.- OPEC bulletin. 2004, March; Vol.35, No.2, p.18, 19.

Expansion/ Gas industry/ Investments/ L.N.G./ Qatar/ Tables (data)
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201 Refineries struggle to meet demand/ Kevin Morrison.- Financial Times. 2004, May 10; No.37449, p.16.

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202 The region's swap shop/ Vahe Petrossian.- Upstream. 2004, May 20; Vol.9, No.21, p.32.

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203 Researching ergonomics for the natural gas industry/Bruce Campbell.- Pipeline & Gas Journal. 2004, April; Vol. 4, No. 231, p. 21, 22.

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204 Rotary steerable systems provide advantages, opportunities/Frank Hartley.- Offshore. 2004, April; Vol. 64, No. 4, p. 66-74.

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205 Russia asks Germany to back gas pipeline to Britain.-Pipeline & Gas Journal. 2004, April; Vol. 231, No. 4, p. 12.

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206 Satellite communications key to cost-effective support of remote operations/Eugene Nathan.- Offshore. 2004, May; Vol. 64, No. 5, p. 46, 49.

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212 **Sizable discoveries keep focus on West Africa**/ Judy Maksoud.- Offshore. 2004, May; Vol.64, No.5, p.30- 34.
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213 **Southeast Asia on an exploration binge**/
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214 **The SSP: a new class of hull for the oil industry**/ Kare Syvertsen & Clovis Lopes.- Offshore. 2004, April; Vol.64, No.4, p.36-39.
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215 **Statoil steams ahead with work at Pars 6-8**/ Vahe Petrossian.- Upstream. 2004, May 7; Vol.9, No.19, p.16.
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216 **Statoil toying with subsea separation on Tordis**.- Offshore. 2004, April; Vol.64, No.4, p.118.
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217 **Subsurface utility engineering locates what's under route before digging**/
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218 **Successful LNG terminal starts with detailed plan**/ Jim Leitch.- Pipeline & Gas Journal. 2004, April; Vol.231, No.4, p.58- 61.
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221 Sweden: Sweden technology profiles.- Offshore. 2004, April; Vol. 64, No. 5, p. 98, 99.

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225 Tender looms for new phases at Iranian field/ Vahe Petrossian.- Upstream. 2004, April 30; Vol. 9, No. 18, p. 27.

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227 Total and Petronas tying up loose ends at Pars.-
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228 Total, Petronas, NIOC sign US $2bn LNG joint venture.
-Country Report -Iran.2004,
March; Vol.4, No.3, p.31, 32.
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232 The UK North Sea:Prolonging the economic life/ Malcolm Webb.-
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234 Underbalanced drilling with coiled tubing proves safe, efficient/ Frank Hartley.-
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238 Using single-source cements to cut costs on deepwater GoM wells/ Don Weisinger... [et al].- Offshore. 2004, April; Vol. 34, No. 4, p. 62-65.

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239 Valhall set to realize BP's vision for field of the future/ Nick Terdre.- Offshore. 2004, April; Vol. 64, No. 4, p. 115.

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241 Well abandonment system speeds well closures/ Paul Alcock.- Offshore. 2004, May; Vol. 64, No. 5, p. 86, 87.

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250 World will run out of oil, but when?.- Petroleum Intelligence Weekly. 2004, May 17; Vol.43, No.20, p.5.

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