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# INTERNATIONAL SCOUT

## NORTHERN AFRICA

### Q4 2017

Projection: Geographic, WGS 84
Scale: 1: 4,000,000

0 100 200
kilometres

This map is not an authority on international boundaries. Map produced from Drillinginfo mapping and database systems on 2 January 2018

**Legend**

**Licences**
- Licensed Acreage
- Pre-awards & Applications
- Current Bid Rounds
- Open Blocks

**Fields**
- Oil/Oil & Gas
- Gas
- Gas & Condensate

**Geographical**
- Label
- City
- Coastline
- International Boundary
- Bathymetry
- River or Lake

**Inset: Western Sahara**

**Inset: Nile Delta**

**Inset: Western Desert**

**Inset: Gulf of Suez**

Eni - Shorouk Offshore
Rosneft completes acquisition of 30% WI from Eni
Rosneft considering option to purchase additional 5% WI in Zohr
Zohr 8 - Drilling concluded in seventh Zohr appraisal well

EDF - North Thekah Offshore
Three-year extension approved to PSC

PetroDamietta - North Damietta Offshore
1,300 sq km 3D seismic survey completed

DEA - North El Amriya
EDF acquires 50% equity in development leases from DEA

NIDOCO - Abu Madi West
Extension application for PSC

PetroBardawil - North Bardawil
Development lease relinquished

Total - Tarif Deep 1
Drilling operations continuing in potential play-opening HPHT NFW

Dana Gas - Bahy 1
NFW spudded

Dana Gas - North El Arish Offshore
Extension application for frontier PSC

Khalda - Hydra East 1X
NFW drilled

Shell - North Matruh
Teen North 1 - NFW drilling
Babaa North 1 - NFW suspended

TransGlobe - South Alamein
Borag 2X - Oil discovery flows upon re-entry and test
Borag 5 ST 2 - P&A dry

Agiba - Meleiha
Meleiha South 1X - Cretaceous AEB discovery
Aman East 1X - Oil discovery

Petro Safwa - East Ghazalat
Nostra Terra completes acquisition of 50% equity in JV from partner; gains additional 12.5% equity in PSC

GPC - Abu Sennan
North West Abu Sennan 1X - NFW drilled
Abu Sennan 2X - Appraisal well flows gas & condensate

Bapetco - Badr El Din
Badr El Din 3 C6 3 - Pilot hole for appraisal sidetrack drilled
Badr El Din 3 C6S 1 - Exploration well drilled; gas encountered

Kuwait Energy - Abu Sennan
Global Connect completes acquisition of 25% WI from Kuwait Energy in PSC

Apache - East Bahariya
Exploration lease relinquished

Zafco - North Zaafarana
Oceaneer acquires 25% equity from PICO in PSC

Petrodara - North West Gharib
Development leases over NWG 1 and NWG 5 discoveries awarded
Development lease over NWG 26A & NWG 27A discoveries awarded
North West Gharib 38A 2 - Appraisal well drilling
North West Gharib 39A 1 - Appraisal well completed and onstream
North West Gharib 3A 1 ST 1 - Appraisal sidetrack P&A, dry

GPC - South Ramadan
One-year extension approved for PSC

KNOC - South Wadi Dara 1X
TD reached in NFW

Magapetco - East Esh El Mallaha Marine
10-year extension to development lease ratified; effective from 2019

Spain
Portugal
Lisbon
Tyrrhenian Sea
Ionian Sea
Greece
Athens
Aegean Sea
Mediterranean Sea
Malta
Valletta
Tunis
Algiers
Straight of Gibraltar
Alboran Sea
ATLANTIC OCEAN
Rabat
Tripoli
Turkey
Cyprus
Nicosia
Syria
Lebanon
Beirut
Damascus
Amman
Jordan
Israel
Jerusalem
Cairo
Egypt
Libya
Tunisia
Algeria
Morocco
Western Sahara
Mauritania
Niger
Saudi Arabia
Red Sea
LAKE NASSER

Sonatrach - Offshore Bejaia & Offshore Mostaganem
Offshore prospecting permits awarded

Caithness - One Block
Caithness in discussions over permit award

ADX - Kerkouane
Approval of modification to work commitments

SDX - Lalla Mimouna
Extension to March 2018 gazettee

SDX - Sebou Central
Award of exploration permit following Circle Oil acquisition gazettee

SDX - Rharb Occidental (Gharb Centre)
Award of Gharb Basin exploration permit gazettee

SDX - Sebou
Three-year extension for production licence

Gulfsands - Moulay Bouchta
Gulfsands elects to not take up extension offer; permit relinquished upon expiry and country exit

Sonatrach - Atlas I
Re-award of prospecting permit

Sonatrach - Atlas
Prospecting permit relinquished

Sonatrach - Boussada
Prospecting permit relinquished

Sonatrach - Boussada I
Re-award of prospecting permit

ETAP - Jelma
Force majeure declared

ETAP - Chaal
3D seismic survey ongoing; 85 sq km acquired

DNG - Sfax Offshore
One-year extension gazetted

Sonatrach - Nakhlet El Mengoub 1
NFW operations ongoing

HBS - Nord Medenine
PSC relinquished

Echo - Ksar Hadada
Ghadames Basin PSC annulled

Yug-Neftegaz - Nefzaoua
Work commitments for 2017 award revealed

Sonatrach - El M'Zaid
Djerrah Ouest 1- Oil & gas discovery
Djedour Er Roumi 1 Oil & gas discovery

OMV - Sondes
Production licence awarded

Sodeps - Makhrouga South East 1
Ordovician gas discovery

OMV - Anaguid
Remaining exploration permit area relinquished

Sodeps - Kothbane Ramla Debech South West 1
2016 oil & gas discovery tested and completed for production

OMV - Jenein Sud
2D seismic survey completed

Sonatrach - Ledjmet II
Two year extension to licence decreed

Sonatrach - El Ouabed II
2D seismic survey ongoing

Sonatrach - Ghardaia II
3D seismic survey ongoing
Ait Kheir Sud 1 - NFW Triassic oil discovery
Chebet El Nakhla Sud 1 - Oil & Gas discovery

Sonatrach - Gassi El Agreb
Production concession cancelled

Sonatrach - Gassi Touil
Taouil Nord 1 ST 2 - NFW drilled
Rhourde El Haima Sud 2bis - Appraisal well drilling
Taouil Profond Central 2 - Appraisal well spudded

Sonatrach - Rhourde Nouss In Amedjane
3D seismic survey started

ENOCC - Tinhert Nord
Enel to exit Berkine Basin licence; 14.7% equity available

Sonatrach - Oued El Abid 1
Gas discovery

OIL - Area 86
Sirte Basin EPSA relinquished

OIL - Area 102
Sirte Basin EPSA relinquished

Sonatrach - Belhazi
Exploration licence awarded

GTIM - Timimoun
Partners sign new contract agreement for Timimoun gas project

Sonatrach - Reggane Djebel Hirane
Djebel Heirane Kahal Tabelbala Sud 1 ST 1 - NFW sidetrack nearing TD
Fesdjer El Hadi Est 1 - NFW nearing TD
2D seismic survey ongoing

Sonatrach - Sedoukhane Sud 1
NFW drilled

Sonatrach - Area 95 & Area 96
Interim Arrangement Agreement signed

Sonatrach - Ohanet II
Ouan Farfar Sud 1 - Gas discovery
Dimeta Dridvicken 1 - NFW drilled
Nord West Trig 2 - Exploration well drilled

Sonatrach - In Salah II
Acreage extension to licence
Hassi Moumna Sud 1 - NFW drilling

DEA - Reggane Nord
BASF and LetterOne to merge petroleum assets to form Wintershall DEA

Wintershall - Multiple blocks
BASF and LetterOne to merge petroleum assets to form Wintershall DEA

Enel - Msari Akabli
IOC partners to exit licence; 49% equity available

Sonatrach - Ahnet II
Ahnet Basin exploration licence awarded
Ain Nekhal 1bis - Operations ongoing in Ahnet Basin NFW re-drill

Shell - Issouka
Licence relinquished upon expiry

Sound - Sidi Moktar
Exploration permit relinquished following maximum eight-year term
Application for new eight-year exploration permit

Charlot - Mohammedia Offshore
Charlot to dilute 75% equity in exploration permit; seismic programme concluded Q1 2017

Unknown - Tanfit
Application for frontier block

Unknown - Mazagan Offshore
Application for deepwater frontier permit withdrawn

Geoex - Morocco Atlantic Margin Well Tie 2017
8,460km MCJD seismic survey concluded

Shahzad - Haha Onshore
One-year extension to initial exploration period

Sonatrach - Abadla
Re-award of prospecting permit

Sonatrach - Abadla Kenadza
Prospecting permit relinquished

Genel - Sidi Moussa Offshore
2.5 year extension to 2020 granted
Partners San Leon and Serica exit permit; equity assigned to Genel

New Age - Foum Ognit Offshore
One-year extension to frontier licence

El Aaiun

Unknown - Dakhla Atlantique (El Argoub Offshore)
Application for deepwater frontier block withdrawn

Nouakchott

EGAS 2018 International Bid Round
Potential 2017 round unlikely; frontier western Mediterranean acreage to be offered in 2018

RAK Gas - El Ghazalyat
Relinquishment upon expiry of PSC

Waspetco - Wadi El Sahl 2 ST 4
Appraisal/development well completed for production

Ganope International Bid Round 2018
Frontier Upper Egypt acreage may be offered

Ganope 2019 International Bid Round
Petroleum Ministry announces five-year plan for Red Sea International Bid Rounds

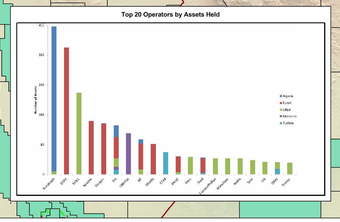
**Wells Reported as Planned**

| Country | Well Name | Operator | Block | Est Date |
|---|---|---|---|---|
| Algeria | One well | Repsol | Boughezoul | Q4 2017 |
| Algeria | Gassi El Adem Nord 2 | Sonatrach | Gassi Touil | Q4 2017 |
| Algeria | Belkeriaref Sud West 1 | Sonatrach | Guern Ech Cheikh II | H2 2017 |
| Algeria | Wadi El Teh Nord Est 1 | Sonatrach | Zerzaitt II | H2 2017 |
| Egypt | One well | BP | North El Matariya Onshore | Nov-17 |
| Egypt | Khalrot prospect | BP | North El Matariya Onshore | 2018 |
| Egypt | Two wells | ENOC | East Zeit Bay | 2018 |
| Egypt | East Ras Budrun Offshore 1X | DEA | East Ras Budrun Offshore | Q4 2017 |
| Egypt | Five wells | Apache | North West Razzak | Q4 2017 |
| Egypt | Nafahat 1 | BP | North El Matariya Onshore | 2018 |
| Egypt | One well | DEA | North West El Amal | 2018 |
| Egypt | Four wells | Apache | South Alam El Shawish | Q4 2017 |
| Egypt | One well | SDX | South Disouq | Q4 2017 |
| Egypt | One well | Eni | North El Hammad Offshore | 2018 |
| Egypt | Bahy 1 & East South Abu El Naga 1 | Dana Gas | North El Salhiya Onshore | Nov-17 |
| Egypt | One well | Wasco | West El Manzala | Q4 2017 |
| Morocco | El Quodia 1 | SDX | Gharb Centre | Rig Mobilised |
| Morocco | Two wells | Sound | Tendrara Lakbir | Q4 2017/Q1 2018 |
| Morocco | Tendrara Deep | Sound | Tendrara Lakbir | Q4 2017/Q1 2018 |
| Morocco | Two wells | SDX | Lalla Mimouna | Q1 2018 |
| Morocco | One well | Chevron | Cap Cantin Deep Offshore | 2018 |
| Morocco | One well | New Age | Foum Ognit Offshore | 2018 |
| Tunisia | Douggа 2 | ADX | Kerkouane | H2 2018 |

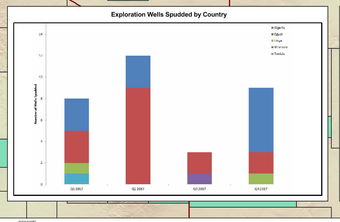
**Surveys Reported as Planned**

| Country | Survey Type | Operator | Block | Est Date |
|---|---|---|---|---|
| Algeria | 3D seismic | Sonatrach | In Amenas II | 2018 |
| Egypt | 3D seismic | Merlon | El Fayum | 2018 |
| Egypt | 3D seismic | EDF | North West Gindi | 2018 |
| Egypt | 3D seismic | ENOC | East Zeit Bay | 2018 |
| Egypt | MC2D seismic | Schlumberger-TGS | Red Sea | Vessel on location |
| Egypt | FTG seismic | TGS | Upper Egypt | 2018 |
| Morocco | 3D seismic | Genel | Sidi Moussa | 2018 |
| Morocco | MC2D seismic | ONHYM | Zag Basin | 2018 |
| Morocco | 3D seismic | SDX | Gharb Centre | Contract awarded |

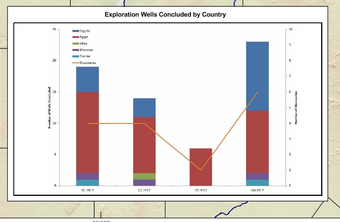
**Top 20 Operators by Assets Held**




**Exploration Wells Spudded by Country**




**Exploration Wells Concluded by Country**

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