

Specialist A&D Services to the international Upstream Oil & Gas Industry

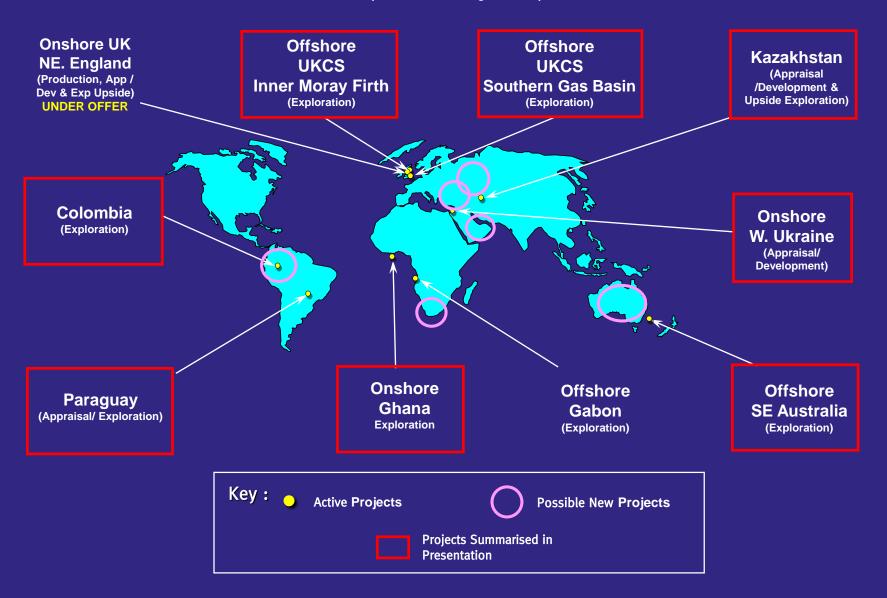
'International Opportunity' APPEX Global 27th February 2018 (London)

Mike Lakin



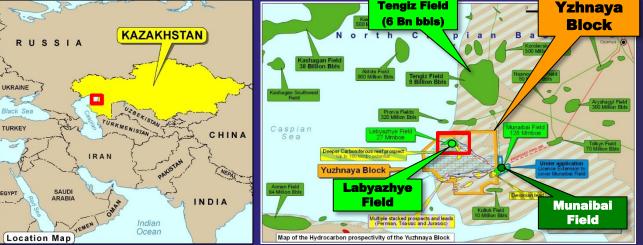
Project Locator

(as @ February 2018)



1. Onshore Western KazakhstanYuzhnaya Block – Mangystau Producing Province

Development of existing field with large Exploration Upside



Lucent Petroleum (100% Interest & Operator)

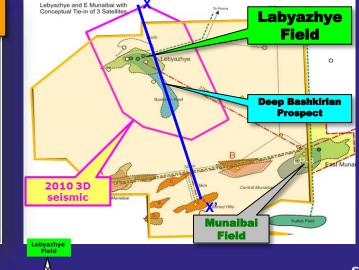
- Region's hydrocarbon potential proven by numerous fields including 6 billion bbl Tengiz field immediately to north of Yuzhnaya Acreage.
- Opportunity to participate in Development & Deep exploration of Labyazhye field in Lucent's Yuzhnaya Block
- Development of other Munaibai field on Block already funded and in process of development drilling (started Q3 ~ 2017)

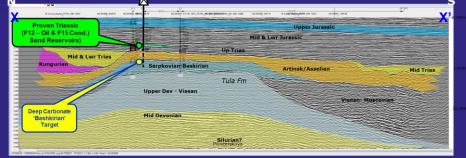
Prospectivity

- Initial development of Labyazhye field's existing 27 MMboe Triassic reserves to be exploited by initial re-entry of existing 4 wells (2018)
- Two subsequent horizontal wells through Triassic during 2018/19
- Deepening of L-14X well to penetrate large undrilled Carboniferous Reef Play potential with Est. 150+ MMboe additional resource potential.

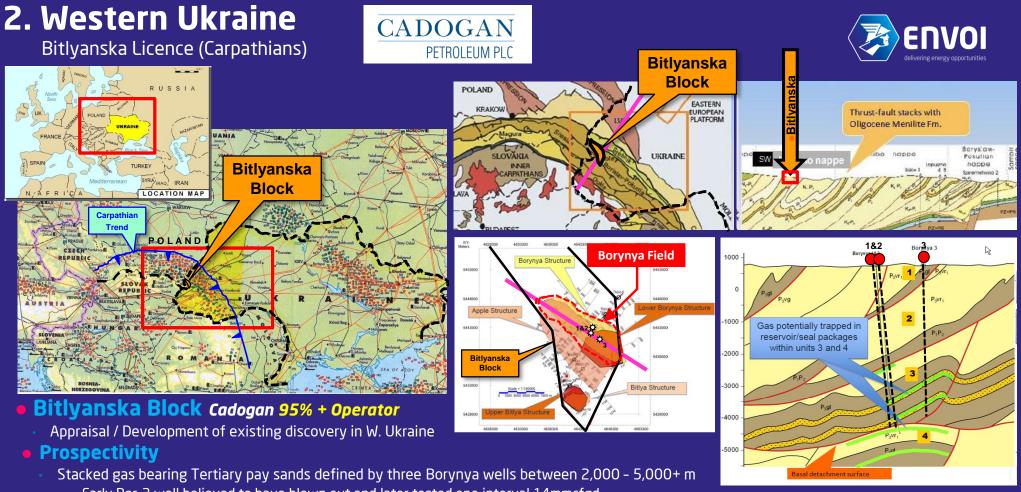
• Opportunity

- Earn up to 50% equity by funding the three planned phases of Labyazhye field development & deep exploration ~ Est. US\$ 24.5 million
- Phase II & III development funded by Phase I re-entry









- Early Bor-2 well believed to have blown out and later tested one interval 14mmcfgd.
- Bor-3 drilled by Cadogan hit high pressures beyond rig safety after short 4.5 mmcfgd flow on test
- Est. 2P = 0.8 Mmboe + 3P = 1.2 Mmboe + P50 Contingent = 12.5 MMboe
- Also, Bitlya Field (Est. 1.4+ MMboe Total Resource potential)
- Shallow Voychenska Prospect (twin of depleted field) Est. 18+ MMboe total resource potential

• Work Programme:

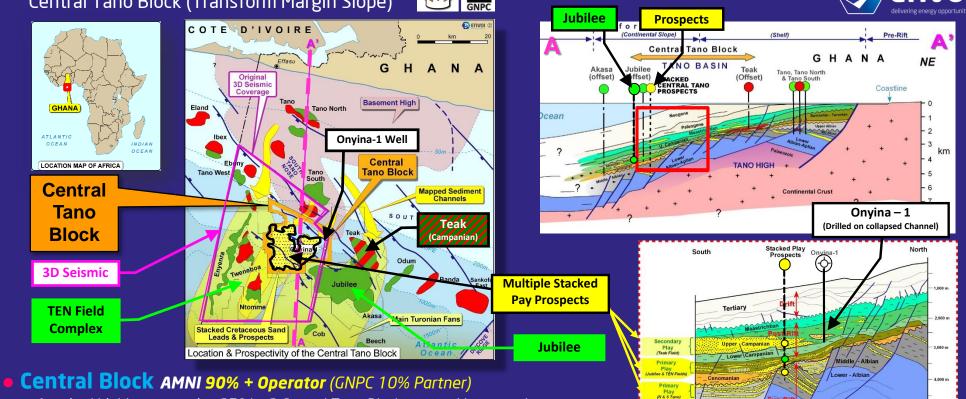
- Drill Shallow well & flow test prospect twined to depleted field (2018)
- Re-enter & test Bor-3 well with appropriately equipped Rig
- Drilled new Borynya appraisal well

• **Terms:** Earn-in by funding planned exploration & appraisal drilling programme before Licence expires end 2019 (Combined US\$ 11 million gross)

Recent reduction in Government royalties from 29% to 12% makes very positive impact on economics & with pipeline only 15 km away

3. Offshore Ghana

Central Tano Block (Transform Margin Slope)



- Acquired highly prospective 279 km2 Central Tano Block on trend between large Cretaceous Jubilee, Teak & TEN Field complex after statutory Tullow relinguishment
- Awarded 2014: 7 year Term in 3 Exploration Phases (Phase I requires 2 x exploration wells)

Prospectivity

Cretaceous petroleum play system on transform margin slope proven by existing fields updip of massive charge & fetch area and unique reservoir development associated with Tano High. Only well in block (Onyina-1) now known to have tested a collapsed channel preventing migration

Upper Albian

Schematic Cross Section SW-NE across the Central Tano Block

showing stacked Cretaceous Plays

5,000 m

- Stacked Play Target Potential: Primary stratigraphic Turonian (proven in Jubilee & TEN Fields) & Campanian (Teak Field) Plays, with additional structural Albian Play proven back on shelf with large undrilled (rotated fault block) prospects mapped in Central Tano Block

- Work Programme: Drill 2 exploration wells 2018 / 19 (Est. US\$ 30 Million / well each)

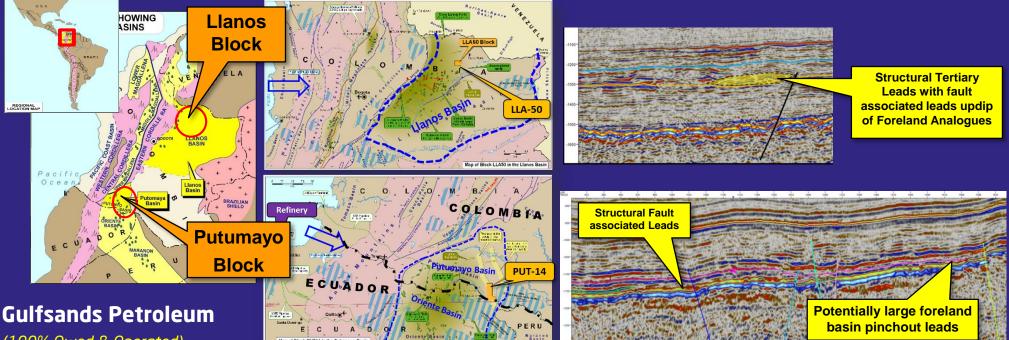
• Terms: Earn part of AMNI's 90% interest by funding 2 well drilling programme (est. total Gross cost US\$ ~60 million) + contribution to past costs

4. Colombia

Two Blocks - Llanos & Putumayo Basins







(100% Owed & Operated)

Opportunities for early entry & operatorship in two highly prospective Concessions up-dip and on trend with existing fields in proven-producing, prolific foreland basin plays.

Llanos Basin Block:

- Potentially stacked Tertiary sand play potential in under explored foreland margin play, on-strike with discoveries & up-dip of producing fields
- Structural leads identified on good quality 1980's 2D seismic (needs infill data and modern processing to upgrade leads to drillable prospects)

Putumayo Basin Block:

- Stacked Cretaceous sand play potential undrilled on foreland basin margin acreage up-dip & on-strike with proven producing fields west in Colombia & south in Ecuador
- Sparse but good quality 2D seismic data shows potential for both subtle structural leads but large stratigraphic pinch-out play potential

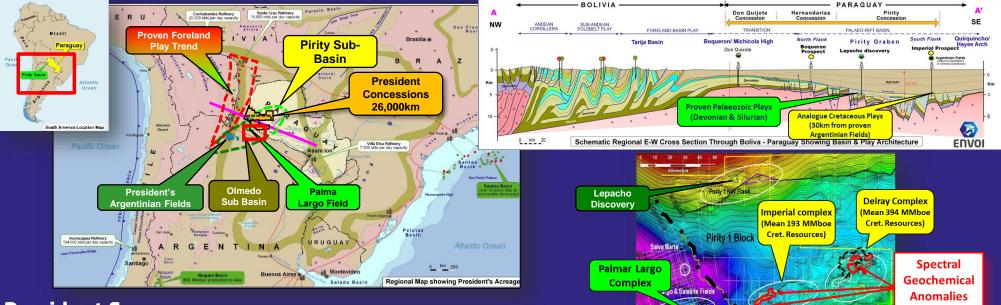
Opportunity

- PUT-14 and LLA-50 have estimated base case STOIIPs of 217 MMbo and 46 MMbo respectively.
- Excellent fiscal terms with low X factors generate base case NPV10s of c.US\$ 385 million (PUT-14) & c.US\$ 150-200 million (LLA-50) respectively.
- Earn majority interest & operatorship by funding infill 2D seismic surveys and one exploration well in each block (Est. Gross costs US\$ 34 million) during remaining Phase I exploration terms: PUT-14 reset to expire 2021 & LLA-50 extension expected beyond early 2018

5. Paraguay Pirity Basin







President Energy (100% Owed & Operated)

• Overview:

- Opportunity to participate in 4 Concessions (26,000 km²) basin controlling acreage including discovery, appraisal, exploitation & forward exploration of entire prospective area of Paraguayan Pirity Sub Basin & extension of proven Argentinian (Olmedo Sub Basin).
- Proven Palaeozoic & Cretaceous Play fairways identified by President's G&G with recent geochem study support, including Lapacho discovery & existing fields on-trend in Argentina including Parma Largo (only 30km from nearest prospect in Paraguay)
- Currently mapped prospects & leads on offer combined total 10+ Tcf Gas potential in Palaeozoic & 500+ MMbo in Cretaceous plays.

• Play Potential:

- PALAEOZOIC PLAY: Lepacho Discovery well proved gas & oil in tight but fractured Devonian & Silurian reservoirs that now requires proof of deliverability with re-drill and testing to unlock huge reserves
- CRETACEOUS PLAY: undrilled extension of quality Cretaceous play defined by new 3D & coincidental geochemical anomalies

Opportunity

- Minimum 2 wells to test prime 'look-a-like' Cretaceous analogue prospect and a Palaeozoic well to follow-up the Lapacho discovery before Oct 2018 with a view to converting exploration to exploitation Licences.
- Earn up to 50% interest in Paraguayan portfolio by funding, as a minimum, the planned Cretaceous & Palaeozoic two well drilling programme (Est. combined costs US\$ 25 million) which is sub ground floor based on US\$ 100 million past costs

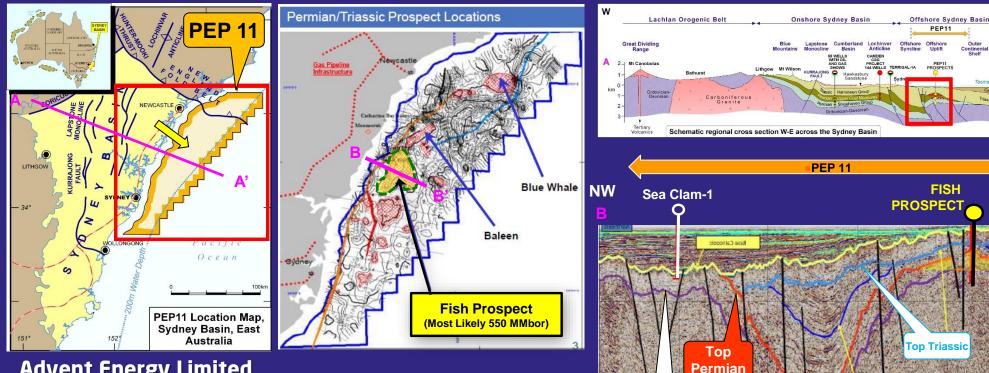
6. Offshore SE Australia

PEP 11 (Sydney Basin)





SE



Тор

Basement

Advent Energy Limited

- 85% Operator + 15% Bounty Oil
- Prospectivity
 - Totally undrilled offshore Permian Play where palaeo-deposition model shows thicker sands developed compared to stratigraphy proven onshore
 - 10+ Leads defined on existing 2D seismic
- Primary FISH Prospect est. 2.6 TCF resource potential (~472 Mmbor equiv.)
- Prospects all coincident with surface seeps and sea bed pock-marks with gas anomalies seen on seismic
- Excellent economic value potential due to very energy hungry East Coast gas market just off coast to Sydney (~ US\$ 13 / mcf gas price)

Work Programme:

- 200 km 2D Infill seismic programme in progress to fulfil current 1st Exploration Term
- 2nd Exploration Term (4 years): 500km2 3D broadband seismic survey + Exploration well before August 2019 (est. cost £9 million dry hole)
- Terms
 - Earn material interest by funding 2nd Term 3D seismic + Exploration well (Combined Est. US\$ 25 million cost).

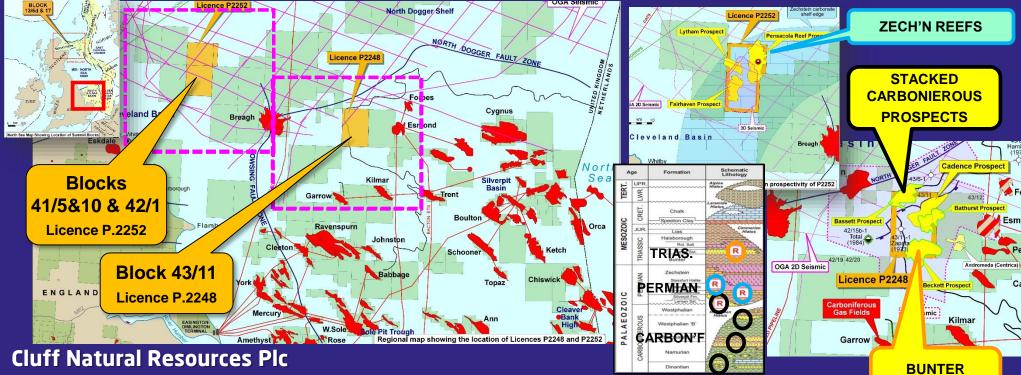
7. Offshore UK - Southern Gas Basin

Licences. 2248 & P.2252





PROSPECTS

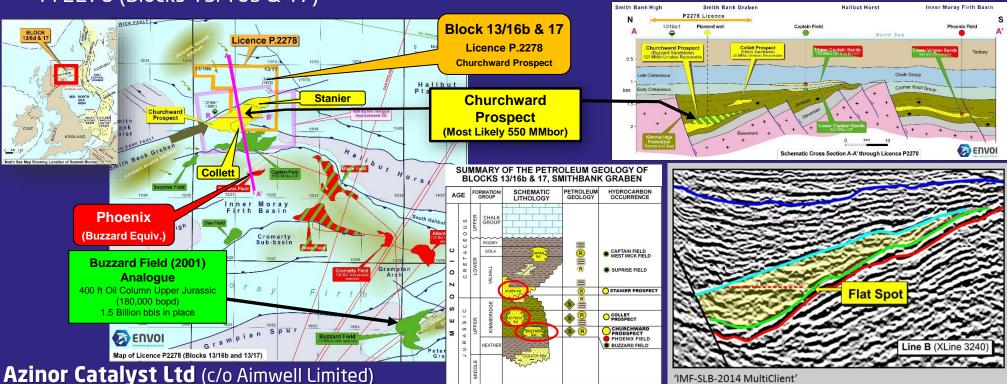


Licence P.2248 (Blk 43/11) & Licence P.2252 (Blks 41/5 & 10, 42/1) 100% & Operator - EXPLORATION

- **Prospectivity** (Licences cover combined area of 589km2 in ~60 metres (~180ft) Water)
- Total combined resource potential Est.2.4 Tcf (P50) mapped in three plays with new prospects unlocked by reprocessed 3D between proven fields
- P2252 3 X prospects defined by 3D in Zechstein Reef play
 - Pensecola prospect already penetrated by well & encountered 300ft fractured dolomite pay but never tested due to near total fluid losses
 - Est. 168 Bcf Resource with NPV of £ 690 million as defined by independent (Xodus) CPR
- P2248 Primary Stacked Carboniferous Sand prospects with secondary Triassic Bunter Prospects)
 - Candence is largest Carboniferous Prospect with Est. P50 resource potential of 929 Bcf recoverable
 - Basset is largest of three Bunter prospects, which has Est.128 Bcf P50 resource potential exhibiting amplitude anomalies.
- Work Programme:
 - Existing Licence Extensions to end October 2018 with 'Driil or Drop' required in follow-on Licence Terms (infill seismic also proposed in P2248)
- Terms
 - Earn material interest by commitment to fund one exploration well in each follow-on Licence Period (Est £ 6 million in P2248 & £ 8-10 million in P2252).

8. Offshore UK – Inner Moray Firth P. 2278 (Blocks 13/16b & 17)





100% & Operator - EXPLORATION

- Prospectivity
 - Undrilled margin of graben (proven by existing discoveries) containing 2 Jurassic & 1 Cretaceous prospects defined on first ever combined reprocessed 3D datasets
 - Primary Churchward Prospect: Very Large Jurassic closure and 'look-a-like' to producing Buzzard field in analogue graben to south
 - Most Likely 525+ MMbor Buzzard Sst target resource potential (2+ Billion Upside potential)
 - Top and bottom closure anomalies on seismic including possible 'flat spot' which is coincident with possible fault related spill point
 - Follow-on: Collet Prospect (Ettrick Sst) ~ 25 110 MMbor + Stanier Prospect (Scapa-Punt Sst) ~ 140 1,000+ MMbor

• Work Programme:

- Exploration well in 2018 (est. cost £9 million dry hole)
- Terms
 - ² Earn material interest by funding Churchward exploration well

MORE INFORMATION: Synopses & Updates (Pre-CA)





Acrobat version of Synopses & contact details available online : <u>www.envoi.co.uk</u>

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