

## TAG Oil Ltd.

(TAO-T: C\$0.90)

### BUY, Speculative Risk

Dundee target: C\$1.20

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## TAG Oil - Resuming Coverage With A BUY, C\$1.20/share Target

Recommendation	New	Last
Rating:	Buy	--
Target:	C\$1.20	--
Risk:	Spec	--
Projected Return	33%	--
2016 CFPS	C\$0.04	--
2017 CFPS	C\$0.11	--

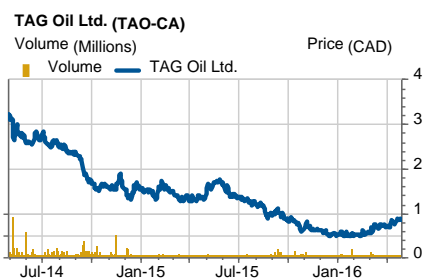
Company Data		
Price (05/02/16):		C\$0.90
52-Week Range:		C\$0.49-1.82
Market Capitalization (\$MM):		US\$43
Enterprise Value (\$MM):		US\$31
Shares Outstanding - Basic (MM):		62.2
Shares Outstanding - Diluted (MM):		62.2
% held insiders		6%
Avg Daily Volume (1 Mth):		32,526
Net Cash as of Fiscal 4Q16E (\$MM):		11.9
Fiscal year end		March 31

Forecasts	2015A	2016E	2017E
Brent Oil (US\$/bbl)	77.07	48.64	48.74
FX Rate (C\$/US\$)	1.14	1.31	1.28
Production Oil (mmbld/d)	1.42	1.01	0.97
Production Gas (mboe/d)	0.43	0.38	0.26
Total (mboe/d 6:1)	1.9	1.4	1.2
% Oil	77%	73%	79%
EPS (fd)	-0.84	-0.26	-0.12
CFPS (fd)	0.34	0.04	0.11

Valuation		
Core NAV		C\$1.18
Risked NAV		C\$1.35
Upside NAV		C\$1.52
P/Core NAV		0.8x
P/Risked NAV		0.7x
P/Upside NAV		0.6x
	2016E	2017E
P/EPS	nm	nm
P/CFPS	24.4x	8.4x
EV/DACF	11.6x	5.7x

All Figures in US\$ Unless Otherwise Noted  
 Source: Factset, Company reports, Dundee Securities

### TAO: Price/Volume Chart



Source: Factset

### Company Description

TAG Oil is a Canadian listed oil and gas company which holds material, operated working interests in seven exploration and production permits, all within New Zealand's proven Taranaki basin.

**Investment Thesis:** With leadership revitalized, near-term strategy redefined and a modest but clean balance sheet, TAG Oil has sensibly 'stripped back' its asset base, capital program and operations to focus on low-risk 'core' field development within New Zealand's prolific yet under-explored Taranaki basin.

Cost reductions in tandem with this development-focused strategy have allowed TAG Oil to self-fund all such 'core' activities and thus 'weather the storm' to date.

With overall production now stabilized - the result of well optimization and workovers - the next step is production and reserve growth via enhanced recovery - TAG Oil plans to implement a waterflood program across all its Cheal oil pools, once more self-funded from operating cashflow and working capital.

However, what the company currently lacks is scale and asset diversity. EOR and potential M&A within its 'core' Taranaki basin can address scale but only in part; substantial optionality - for both operations and the stock - lies in TAG Oil's ambitious strategy to expand outside New Zealand into Australasia and SE Asia.

With so many fundamental changes to TAG Oil's management, operations and strategy, we are effectively 'resuming' coverage of a new company, TAG Oil 2.0.

### TAG Oil 2.0 - Reasons To Buy:

**New Experienced Executive Team:** Toby Pierce (CEO) and Henrik Lundin (COO) joined TAG Oil last June. Their extensive transactional and technical experience has renewed and strengthened TAG Oil's leadership and executive team.

**Rationalized Asset Base:** The timely arrival of fresh leadership, given low oil pricing, has prompted a vital change in strategy - all of TAG Oil's legacy high-risk exploration blocks and commitments have now been divested.

**Stabilized Production, High Netbacks => Investment In Near-Term Growth:** The focus on low-risk 'core' field development has largely mitigated natural field declines - the resulting production 'base' of ca. 1,250 boepd, combined with high netbacks, enables fully-funded investment in growth via EOR and modest M&A.

**Ambitious Growth Strategy Provides Optionality:** Management is actively reviewing numerous M&A opportunities across Australasia and South East Asia to address longer-term growth ambitions and mitigate risk. The prospect of accretive acquisitions provides potentially valuable optionality for shareholders.

**Resuming Coverage - Buy Rating, C\$1.20/sh Target:** High netbacks have largely protected TAG Oil from weak oil prices; EOR-led growth, combined with such netbacks, provides material leverage to firming oil prices, with the prospect of accretive, material M&A adding further torque. We resume coverage - BUY rating, C\$1.20/share target - in-line with our 'core' 2P NAV valuation + net cash.

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**TAG Oil 2.0**

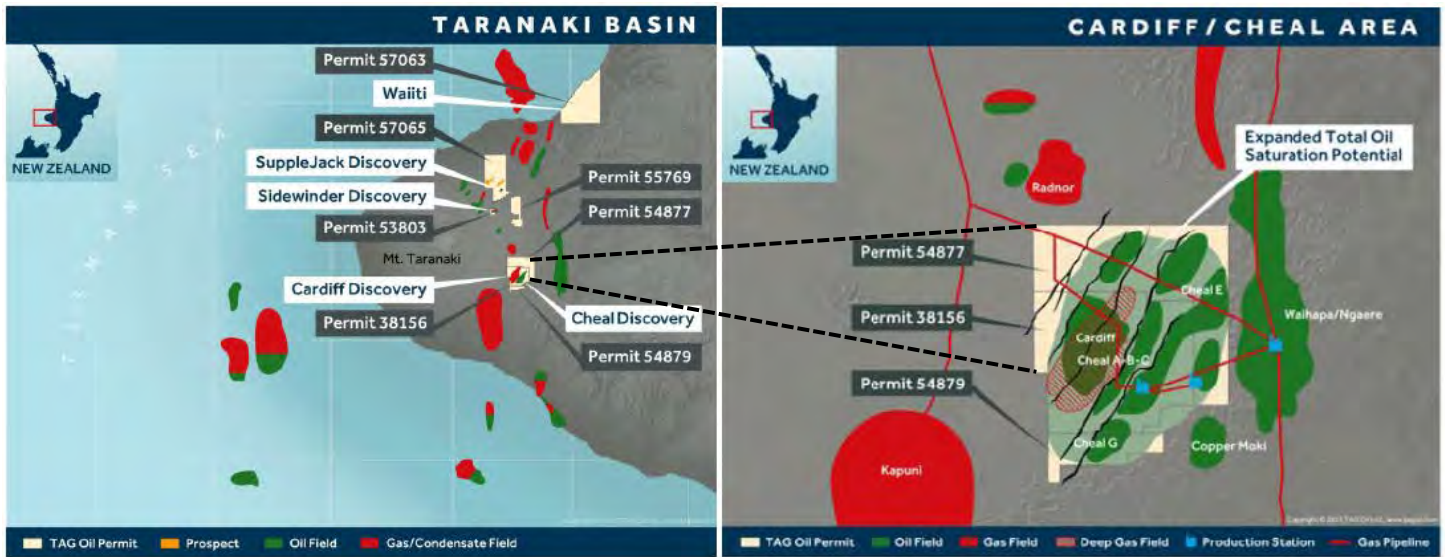
**Stage 1: Rationalize The Asset Base**



With new management on board since June 2015, TAG Oil, amid weakening oil pricing, substantially rationalized its asset base, relinquishing all high-risk exploration acreage and significant work commitments in tandem, thus preserving its capital base.

As a result, TAG Oil now holds material, operated working interests in just seven exploration and production permits, all within New Zealand's proven Taranaki basin.

**TAG Oil's 'Right-Sized' Asset Base - Focused Solely Within New Zealand's Taranaki Basin**



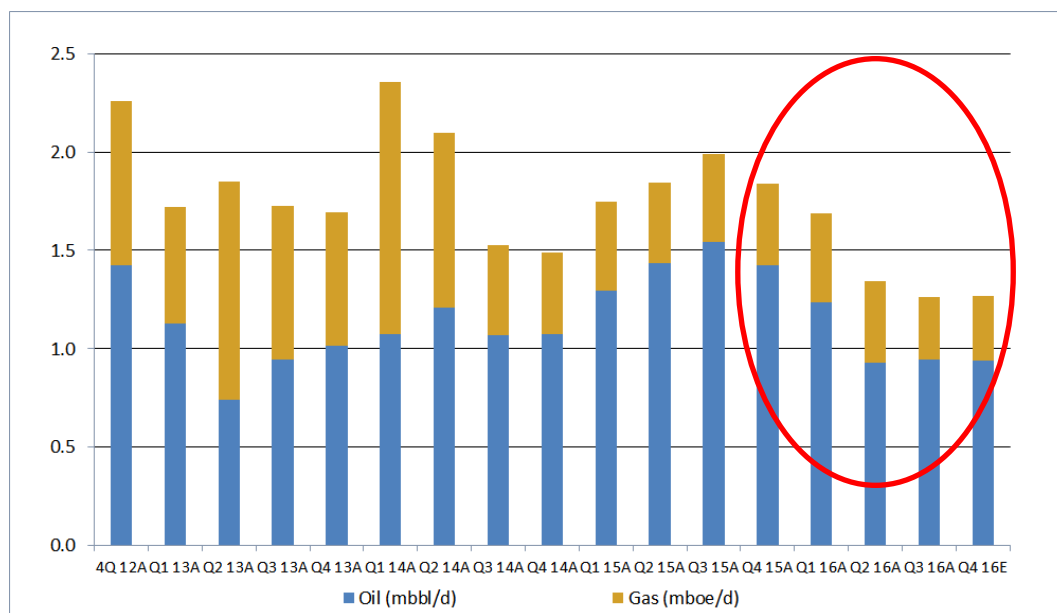
Source: Company reports



## Stage 2: Stabilize Production

Despite obvious capital constraints, a modest, cost-effective program of well optimizations and workovers has largely mitigated the impact of natural field declines - the result being a relatively stable production 'base' of ca. 1,250 boepd of late (see production history below).

### ***TAG Oil - Production History - Fiscal Calendar***



Source: Company reports

Stabilized production, high netbacks and an ongoing cost reduction program have allowed TAG Oil to conserve cash (fiscal YE16E: C\$15.3mm, no debt) and weather collapsing oil prices.



## Stage 3: Grow Cheal Production, Reserves Via Waterflood

With production costs largely fixed in nature, incremental production delivers outsized marginal netbacks to the bottom line.

Thus, having largely stabilized production - albeit requiring a modest forward program of well workovers - immediate plans call for production and reserve growth via EOR.

TAG Oil plans to implement a waterflood program across all its Cheal oil pools, once more self-funded from operating cashflow and working capital.

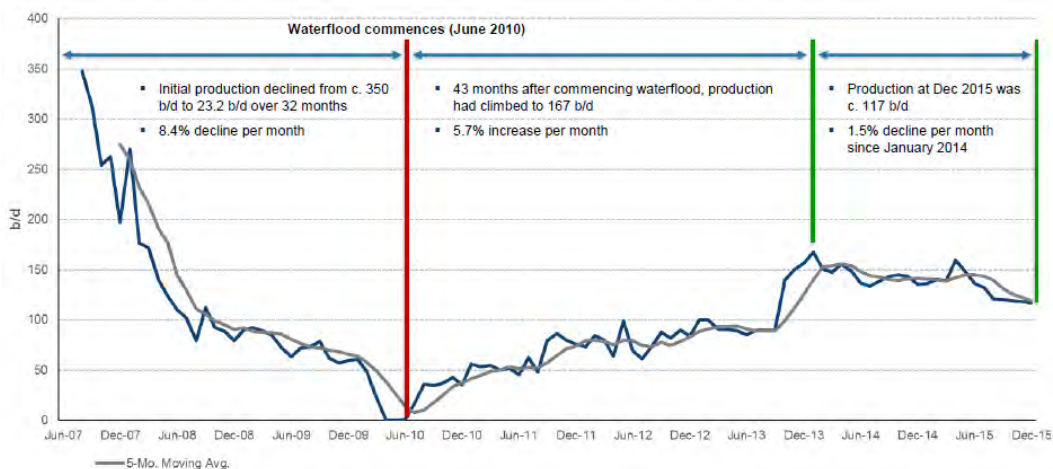
Waterflood has been long adopted by other operators within the Taranaki Basin, typically with positive results on both near-term production levels as well as ultimate recovery.

Despite no formal waterflood programs to date, empirical evidence from water disposal wells at Cheal A clearly demonstrate a material, positive production response at neighbouring production wells - analogous to the responses expected under waterflood.

TAG Oil now plans a formal, broad waterflood program across all of its productive Cheal oil pools; having now gathered 'base' empirical data, the company plans to initiate the waterflood program by mid-year - firstly at Cheal B, then Cheal A and finally Cheal E.

If successful, management believes that this waterflood program could double production - potentially achieving 2,500 boepd. In tandem, the higher recovery factors associated with waterflood will also positively impact TAG Oil's remaining reserve base.

### ***Cheal - Waterflood Analogy - Read Through Response From Cheal-A3X***



Source: Company reports

### **Stage 4: Pursue Accretive M&A Opportunities**

Despite all the good work to date 'stabilizing the platform', the company conspicuously lacks both scale and risk diversity within its current asset base.

Management is thus actively reviewing numerous M&A opportunities, not only within its 'core' Taranaki Basin, but also across Australasia and South East Asia in order to deliver longer-term growth and scale but also to mitigate risk.

#### *New Zealand*

Management continues to screen suitable opportunities in-country; indeed recent media reports have indicated that TAG Oil has conditionally agreed to buy Kea Petroleum's (KEA LN, delisted, NR) 70% stake in PEP 51153, an exploration license within the Taranaki basin that lies to the east of the producing Waihapa field (NZ CN, NR and L&M Energy - private), which itself lies on the eastern flank of TAG Oil's Cheal oil fields.

### ***PEP 51153 - Co-location to Waihapa and Cheal Oilfields***



Source: MEO Australia

PEP 51153 contains the Puka oilfield (gross 2C resource: 0.6 mmbbls) and the Shannon prospect (gross mean prospective risked resource: 7.0 mmbbls). The shallow Puka oilfield was producing ca. 110 bopd from two wells prior to economic shut-in in early 2015.

TAG also intends to review acreage in the upcoming 2016 and 2017 bid rounds.

#### *Australia*

Leveraging existing experience with the team, TAG Oil is also screening oil & gas opportunities within Australia's core onshore producing basins - many of which offer similar risk profiles to those of New Zealand along with relatively low capex commitments.

#### *South East Asia*

TAG Oil's focus is on core onshore producing basins in Indonesia, Malaysia, Thailand and Vietnam - that offer, in the view of management, low geological risk along with manageable political risk.

To better capture local operating experience, TAG Oil would consider market entry by dint of a small corporate acquisition.

### **Sensible Fiscal 2017 Capital Program, Comfortably Funded With FFO & Balance Sheet**

Despite the recent strengthening of oil prices, management has outlined a conservative 2017E capital program - C\$7.6MM focused on low-cost, production optimization opportunities:

- **Waterflood At Cheal A, B & E:** The company plans to implement a waterflood program across all Cheal fields - operations will commence at Cheal B in June.
- **Low-Cost Workovers:** Management is planning to install a rod pump in the Cheal-E1 well, as well as reactivate several shut-in wells.

In tandem, fiscal 2017E average production guidance stands at 1,200 boepd (80% oil weighted); note that such guidance assumes the negative impact of the onset of the waterflood program, namely the loss of immediate production as production wells are converted to water injection duty. However any prospective positive impact of the waterflood program is excluded from such guidance.

With some C\$15.5MM of cash at fiscal YE2016E and fiscal 2017E FFO of C\$5.5 MM, TAG Oil can amply fully-fund this modest 'base' capex program - exiting fiscal 2017E with some C\$13.6MM of cash.

In the event oil prices recover - or results from TAG's 'base' work program exceed expectations, a further C\$4.6MM has been earmarked for 'discretionary activities' - including the construction of two drilling pads for future exploration and drilling a Sidewinder North exploration well in 1Q17 (fiscal 4Q17).

### Fiscal 2017 Capital Program

Field	Activity	April	May	June	July	August	September	October	November	December	January	February	March
Cheal E	E7 Re-perforation	■											
Cheal E	E1 Rod pump		■										
Cheal E	Waterflood			■	■	■	■	■	■	■	■	■	■
Cheal E	Exploration wellpad construction												■
Cheal G	Seismic	■	■										
Cheal G	Consenting									■	■	■	■
Cheal B	Waterflood	■	■	■	■	■							
Cheal A	Maintenance					■	■	■					
Sidewinder North	Consenting						■	■	■				
Sidewinder North	Engineering								■	■			
Sidewinder North	Pad Construction										■	■	■
Sidewinder North	Exploration well											■	■
Wai-ti	2D Seismic acquisition											■	■
East Coast	Restoration								■	■	■	■	■

Notes:

- Firm
- Planned
- Option

Source: Company reports

### Valuation - 'Core' 2P NAV plus Net Cash: C\$1.18/Share

Based on our long-term \$65 Brent price deck, we value TAG Oil's 2P reserves at C\$0.93/share; net cash adds C\$0.25/share - resulting in a 'core' 2P NAV plus net cash of C\$1.18/share.

Risked development upside adds a further C\$0.17/share by our estimates, resulting in an overall risked NAV of C\$1.35/share.

On cashflow metrics, the company trades at 5.7x 2017E DACF (vs. peers at 4.1x).

We thus resume coverage of TAG Oil with a BUY recommendation and a C\$1.20/share target price, the latter in-line with our 'core' 2P NAV plus net cash valuation.

### Upcoming Catalysts:

- Year End Results – June
- Year End Reserves – June
- Material/accretive M&A
- Results from the 2016 New Zealand Bid Round
- Operational updates

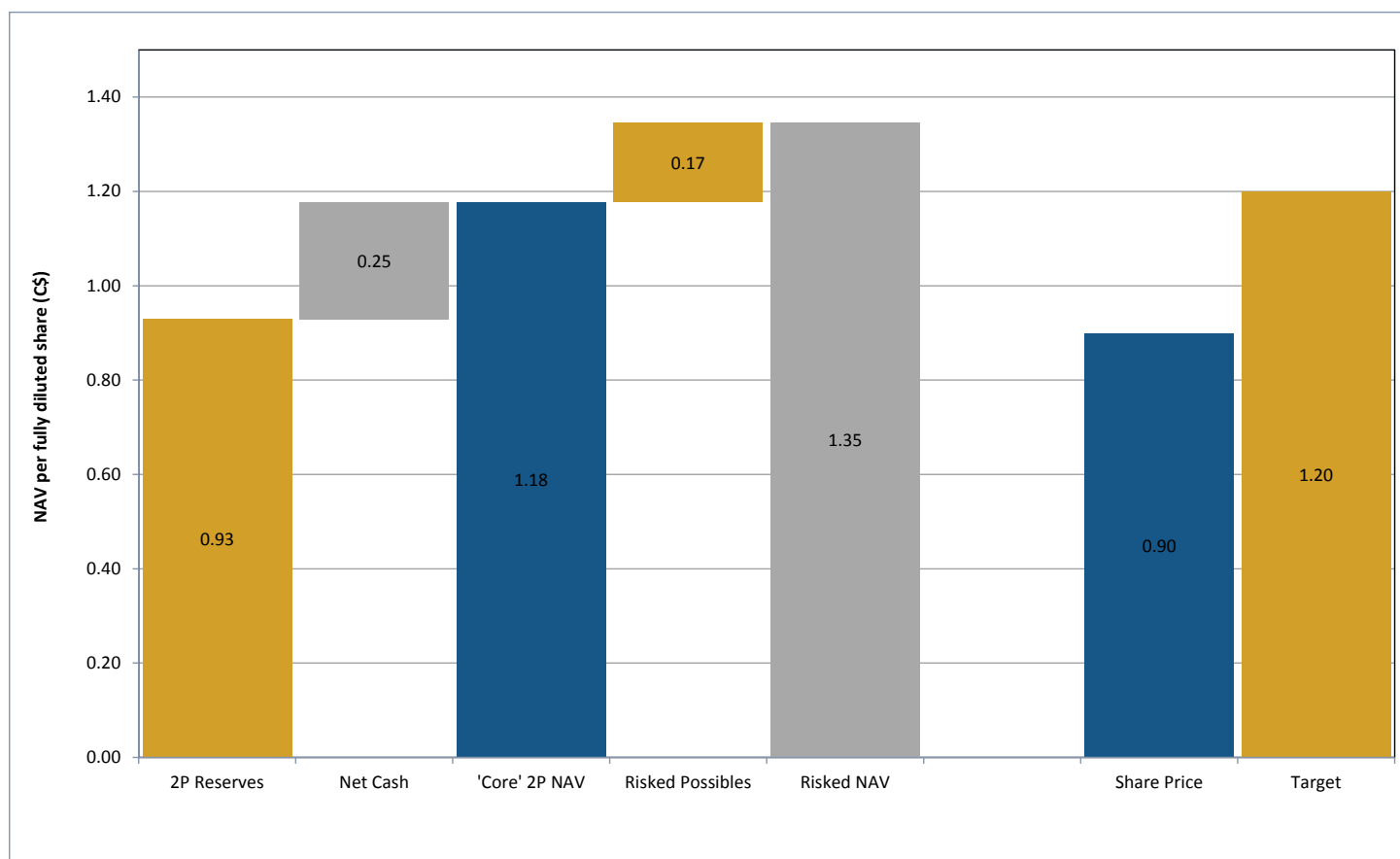
## TAG Oil - 'Base Case' &amp; 'High Case' Risked NAV

	Unrisked Reserves mboe	Chance Of Success %	Risked Reserves mboe	Gross NPV		TAG working interest	Net risked reserves mboe	Net NPV to TAG		Per boe US\$/boe	Net NPV to TAG	
				Unrisked US\$m	Risked US\$m			Unrisked US\$m	Risked US\$m		Risked C\$/share	Unrisked C\$/share
<b>2P Reserves</b>												
Taranaki - Oil	4.3	100%	4.3	44.0	44.0	100%	4.3	44.0	44.0	10.23	0.92	0.92
Taranaki - Gas	0.4	100%	0.4	0.4	0.4	100%	0.4	0.4	0.4	1.01	0.01	0.01
<b>2P Reserves</b>	<b>4.7</b>		<b>4.7</b>	<b>44.4</b>	<b>44.4</b>		<b>4.7</b>	<b>44.4</b>	<b>44.4</b>	<b>9.50</b>	<b>0.93</b>	<b>0.93</b>
<b>Financial Items</b>												
Net Cash/(Debt)								12.1	12.1		0.25	0.25
Options & Warrants								0.0	0.0		0.00	0.00
<b>Sub-total</b>								<b>12.1</b>	<b>12.1</b>		<b>0.25</b>	<b>0.25</b>
<b>Core 2P NAV</b>								<b>56.5</b>	<b>56.5</b>		<b>1.18</b>	<b>1.18</b>
<b>Development Reserve Base/Appraisal</b>												
Possibles - Cheal & Sidewinder	1.7	50%	0.8	16.1	8.1	100%	0.8	16.1	8.1	9.50	0.17	0.34
<b>Development Reserve Base</b>	<b>1.7</b>		<b>0.8</b>	<b>16.1</b>	<b>8.1</b>		<b>0.8</b>	<b>16.1</b>	<b>8.1</b>	<b>9.50</b>	<b>0.17</b>	<b>0.34</b>
<b>Total</b>	<b>6.4</b>		<b>5.5</b>					<b>5.5</b>	<b>72.6</b>	<b>64.5</b>	<b>1.35</b>	<b>1.52</b>

Note: valuations are post-tax and discounted at 10% per annum at \$65/bbl Brent.

Source: DCM estimates, Company reports

## TAG Oil - Risked NAV Waterfall



Source: DCM estimates, Company reports





**APPENDIX I: Taranaki Basin - Asset Overview**

With fewer than 500 exploration and development wells drilled since 1950, the Taranaki Basin remains substantially underexplored and underexploited.

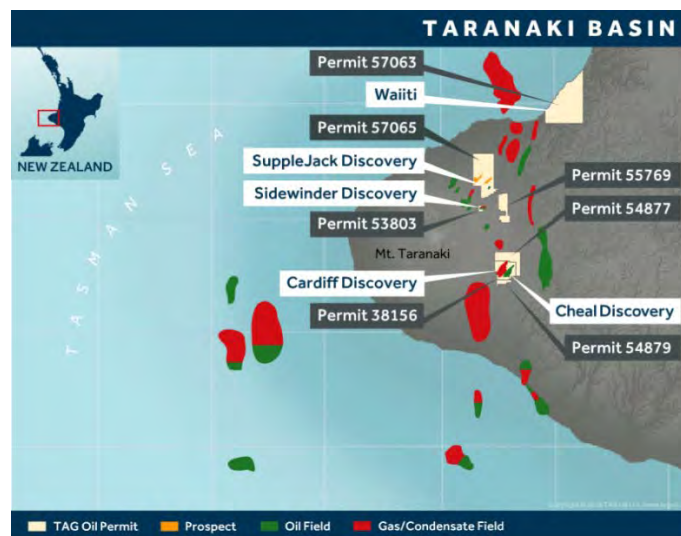
**TAG's Focus - Taranaki Basin**



Source: New Zealand Petroleum & Minerals

TAG Oil holds seven permits in the Taranaki Basin - Permit 38156 (which contains the Cheal discovery and Cardiff discovery/prospect) and Permit 53803 (which contains the Sidewinder discovery and Hellfire prospect) are held 100% and operated by TAG Oil.

**TAG Oil - Permits in the Taranaki Basin**



Source: Company reports

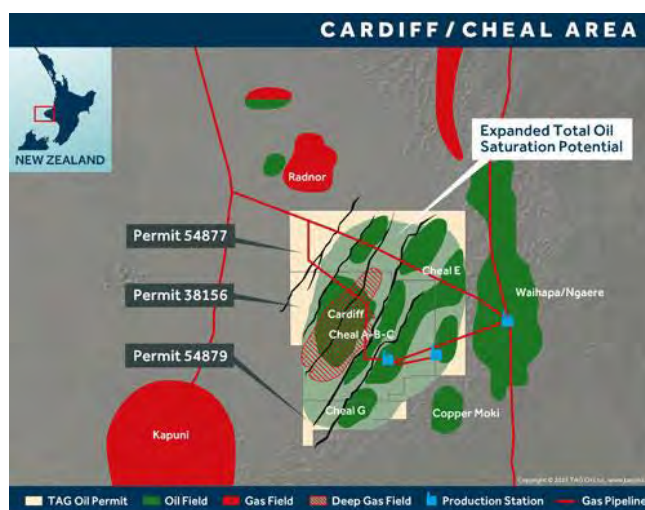
### Cheal Permit - Low-Risk Development Opportunities & Exploration Upside

The Cheal oil and gas field was discovered in 2006 and has since been appraised and developed from three drill pads, with thirty six wells drilled to date.

The field still, however, remains at a relatively early stage of development:

- **Untapped Stacked Reservoirs:** Management has identified additional upside in up-hole sands; many of the wells drilled to date have two or more stacked reservoir intervals - with only one interval currently producing;
- **Potential Resource/Reserve Growth Via Enhanced Recovery:** There is the potential for TAG to materially increase its resource/reserve base by improved artificial lift techniques, dual completions, reservoir stimulations & waterflooding;
- **Potential Exploration Upside:** Permit wide 3D seismic coverage indicates that there are additional drilling targets across the Cheal Permit;
- **High-Impact Deep Gas/Condensate Prospectivity:** In addition to pursuing the shallow, stacked Miocene reservoirs (Urenui and Mt. Messenger), TAG has identified Cardiff - a deeper Eocene gas/condensate prospect. The reserve size and deliverability potential are greater than the shallow drilling program due to greater depth and over pressuring - conservative recoverable resources estimates for one Cardiff well is 53 bcf and 2.12 mmbbl (NGL).

### Cardiff/Cheal Area



Source: Company reports

### Summary of TAG Oil's Permits

Basin	Permit	Play Name	Land (acres)		WI
			Gross	Net	
Taranaki	54879	Cheal South	1,102	551	50%
Taranaki	54877	Cheal East	6,158	4,311	70%
Taranaki	38156	Cheal & Cardiff	7,487	7,487	100%
Taranaki	55769	Sidewinder East	2,915	2,915	100%
Taranaki	53803	Sidewinder Mining Permit	715	715	100%
Taranaki	57065	Sidewinder North	14,725	14,725	100%
Taranaki	57063	Waiti	22,054	22,054	100%
			<b>59,431</b>	<b>57,033</b>	

Source: Company reports

**Appendix II: Risks**

**Commodity Price:** Changes in underlying crude oil and natural gas prices would have a material impact on our investment thesis and valuation.

**Technical Risk:** Ongoing exploration, appraisal and development programs may be adversely impacted by poor technical results – this would lead to a reduction of TAG's prospect inventory and/or reserve base, resulting in an immediate and negative impact on its net asset value. The inherent risks associated with drilling remain, including, but not limited to: source, migration, reservoir and seal.

**Operational Risk:** Both subsurface and surface complications pose risks to TAG Oil – discouraging well test and long-term production data may lead to material changes in reserves, contingent and prospective resources. Surface complications including mechanical failures and the delayed arrival of equipment would also adversely impact operations.

**Asset Concentration:** Whilst management has ambitions to diversify, all of TAG's reserves and production currently lie within New Zealand - major disruptions in field and/or export infrastructure could severely impact sales volumes and financial forecasts.

### **Appendix III: Management - Profiles**

#### **Toby Pierce - Chief Executive Officer & Director**

Mr. Pierce is a natural-resource executive with more than 19 years of extensive transactional and valuation experience in deal sizes ranging from several million to \$1.3 billion in value. His body of experience, ranging from wellsite geology to Director of Oil and Gas Institutional Research to CEO and President, has given him a wealth of industry knowledge and deep understanding of oil and gas operations, capital markets, investment banking, mergers and acquisitions. Mr. Pierce is a graduate of the Rotman School of Management at the University of Toronto where he earned an M.B.A. in finance. He also holds a B.Sc. (Earth Sciences) degree from the University of Victoria.

#### **Henrik Lundin - Chief Operating Officer**

Mr. Lundin brings considerable global experience as a petroleum, thermal and reservoir engineer. Mr. Lundin began his oil and gas career as a field worker and field engineer in offshore Tunisia. He then worked as a petroleum/thermal engineer in Canada and Syria for Tanganyika Oil, moving to the role of reservoir engineer in 2009. Prior to joining TAG Oil, he worked as a Senior Reservoir Engineer for Lundin Petroleum. Mr. Lundin has a B.Sc. Petroleum Engineering degree from the Colorado School of Mines in Golden, Colorado. He will be based in New Zealand.

#### **Max Murray - New Zealand Country Manager**

Mr. Murray brings 30 years of experience and has a deep understanding of the New Zealand oil and gas landscape. With over six years spent with Origin Energy, Mr. Murray was most recently the Manager of Production Upstream E&P and Senior In-Country Manager, accountable for the safe and efficient operation of all producing assets across Australia and New Zealand. He previously held senior positions with Swift Energy New Zealand, Ras Laffan Liquefied Natural Gas Co. Ltd., and Methanex New Zealand.

#### **Dr. David Bennett - Technical Director**

Dr. Bennett has extensive exploration, technical, operational, and corporate experience in New Zealand and throughout Australasia. As a hands-on director, he has an active role within TAG Oil high-grading and prioritizing the prospect inventory, and giving technical guidance to the company's exploration and development programs. Dr. Bennett is a former director of TAG and was previously the Chief Executive Officer of Austral Pacific Energy (formerly Indo-Pacific Energy Ltd.) and Trans-Orient Petroleum. He holds an MSc in Exploration Geophysics from Leeds University, UK, and a PhD in Geophysics from the Australia National University.

#### **Barry MacNeil - Acting Chief Financial Officer**

Mr. MacNeil is a Chartered Professional Accountant who has more than 20 years of accounting experience in public and private practice. Mr. MacNeil has been a director and officer of multiple public companies, including Trans-Orient Petroleum Ltd. Mr. MacNeil is also currently the CFO of Coronado Resources Ltd. (TSXV: CRD), and McorpCX, Inc. (TSXV: MCX), and acts as Corporate Controller for TAG Oil Ltd.

**Appendix IV: Board of Directors - Profiles****Alex Guidi - Chairman**

Mr. Guidi is an oil and gas entrepreneur and the founder of TAG Oil - he has also founded several Canadian-based international oil production and exploration companies. From the early 1990's to the present, these companies have conducted widespread acquisition, development and exploration campaigns in Australasia, resulting in the discovery of several significant oil and gas fields.

**Ken Vidalin - Director**

Mr. Vidalin has more than 20 years' experience as a board member of public and private companies. Mr. Vidalin was the founder, former director, and former COO of Canadian-based Methanex Corporation – the world's leading methanol producer with major infrastructure in New Zealand and the country's largest commercial user of natural gas. He holds a B.Sc. in mechanical engineering from the University of North Dakota.

**Keith Hill - Director**

Mr. Hill is the Chairman of Black Pearl Resources Inc. (TSX: PXX) and ShaMaran Petroleum Corp. (TSX-V: SNM), and is the CEO of Africa Oil Corp. (TSX-V: AOI). Prior to this, Mr. Hill was instrumental in developing Valkyries Petroleum Corp. and Tanganyika Oil Company Ltd., both highly successful international oil and gas producers which were acquired by major oil companies. Mr. Hill holds a Master of Science degree in Geology and Bachelor of Science degree in Geophysics from Michigan State University, as well as an MBA from the University of St. Thomas in Houston.

**Brad Holland - Director**

Mr. Holland has more than 35 years of experience planning, designing and managing major, worldwide oil and gas industry projects. His expertise has been established and honed over 18 years as Senior Project Engineer for Saudi Aramco, a global leader in oil and gas, and at Wood Group Mustang, overseeing major oil and gas pipeline projects. He holds a B.Sc. in Chemical Engineering from the University of Alberta.

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**Dundee target:** represents the price target as required under IIROC Rule 3400. Valuation methodologies used in determining the price target(s) for the issuer(s) mentioned in this research report are contained in current and/or prior research. Dundee target N/A: a price target and/or NAV is not available if the analyst deems there are limited financial metrics upon which to base a reasonable valuation.

**Recommendations:** BUY: Total returns expected to be materially better than the overall market with higher return expectations needed for more risky securities. NEUTRAL: Total returns expected to be in line with the overall market. SELL: Total returns expected to be materially lower than the overall market. TENDER: The analyst recommends tendering shares to a formal tender offer. UNDER REVIEW: The analyst will place the rating and/or target price Under Review when there is a significant material event with further information pending; and/or when the analyst determines it is necessary to await adequate information that could potentially lead to a re-evaluation of the rating, target price or forecast; and/or when coverage of a particular security is transferred from one analyst to another to give the new analyst time to reconfirm the rating, target price or forecast.

**Risk Ratings:** risk assessment is defined as Medium, High, Speculative or Venture. Medium: securities with reasonable liquidity and volatility similar to the market. High: securities with poor liquidity or high volatility. Speculative: where the company's business and/or financial risk is high and is difficult to value. Venture: an early stage company where the business and/or financial risk is high, and there are limited financial metrics upon which to base a reasonable valuation.

Investors should not deem the risk ratings to be a comprehensive account of all of the risks of a security. Investors are directed to read Dundee Capital Markets Research reports that contain a discussion of risks which is not meant to be a comprehensive account of all the risks. Investors are directed to read issuer filings which contain a discussion of risk factors specific to the company's business.

**Medium and High Risk Ratings Methodology:** Medium and High risk ratings are derived using a predetermined methodology based on liquidity and volatility. Analysts will have the discretion to raise but not lower the risk rating if it is deemed a higher

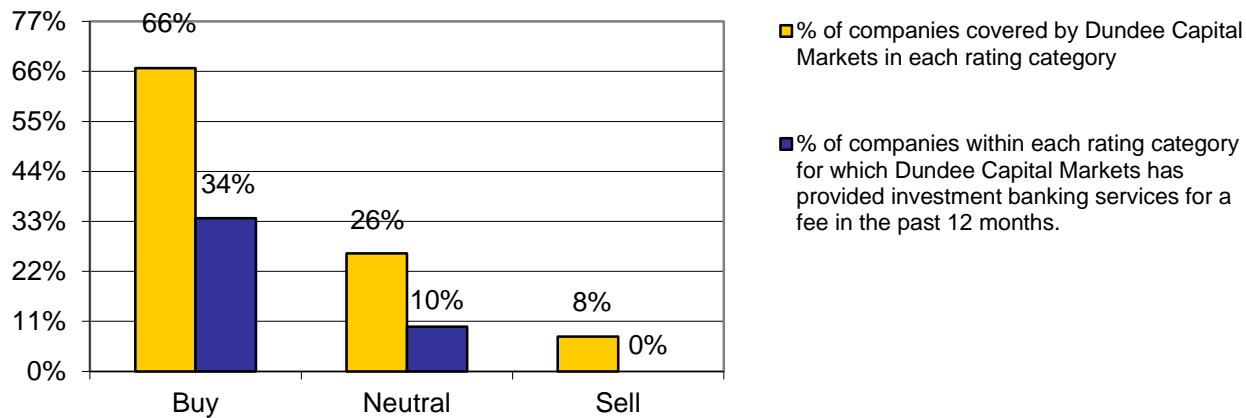


risk rating is warranted. Risk in relation to forecasted price volatility is only one method of assessing the risk of a security and actual risk ratings could differ.

Securities with poor liquidity or high volatility are considered to be High risk. Liquidity and volatility are measured using the following methodology: a) Price Test: All securities with a price  $\leq$  \$3.00 per share are considered high risk for the purpose of this test. b) Liquidity Test: This is a two-tiered calculation that looks at the market capitalization and trading volumes of a company. Smaller capitalization stocks ( $<$ \$300MM) are assumed to have less liquidity, and are, therefore, more subject to price volatility. In order to avoid discriminating against smaller cap equities that have higher trading volumes, the risk rating will consider 12 month average trading volumes and if a company has traded  $>$ 70% of its total shares outstanding it will be considered a liquid stock for the purpose of this test. c) Volatility Test: In this two step process, a stock's volatility and beta are compared against the diversified equity benchmark. Canadian equities are compared against the TSX while U.S. equities are compared against the S&P 500. Generally, if the volatility of a stock is 20% greater than its benchmark and the beta of the stock is higher than its sector beta, then the security will be considered a high risk security. Otherwise, the security will be deemed to be a medium risk security. Periodically, the equity risk ratings will be compared to downside risk metrics such as Value at Risk and Semi-Variance and appropriate adjustments may be made. All models used for assessing risk incorporate some element of subjectivity.

**SECURITY ABBREVIATIONS:** NVS (non-voting shares); RVS (restricted voting shares); RS (restricted shares); SVS (subordinate voting shares).

### Dundee Capital Markets Equity Research Ratings



As at March 31, 2016

Source: Dundee Capital Markets