

Two Opportunity Sets: Conventional Onshore US

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JV Opportunity Set, Onshore California



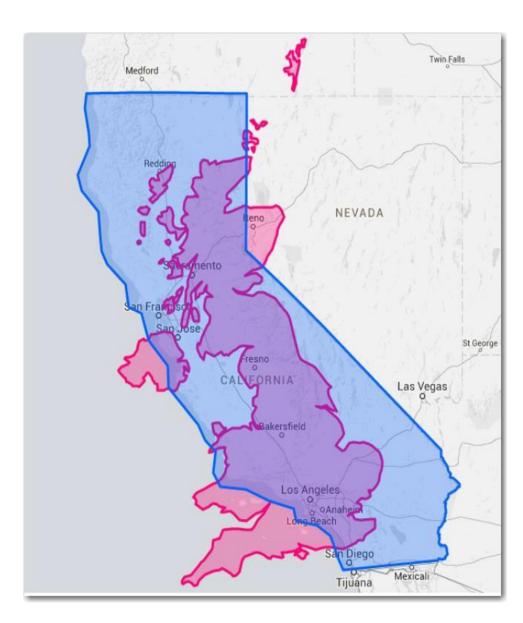
California Energy & Economy Fast Facts



Captive Market for Energy

Large Petroleum Importer & Refiner

- Population: ~ 40 million people
 ~1/2 in Greater Los Angeles area
- 6th largest economy in the world;
 GDP comparable to UK/France
- Fourth-largest oil producing state in the US; 450,000 BOEPD as of 2018
- State imports 60% of its oil and 90%+ of its natural gas
- Oil is priced near Brent level
- Natural gas priced at a 15% premium to Henry Hub





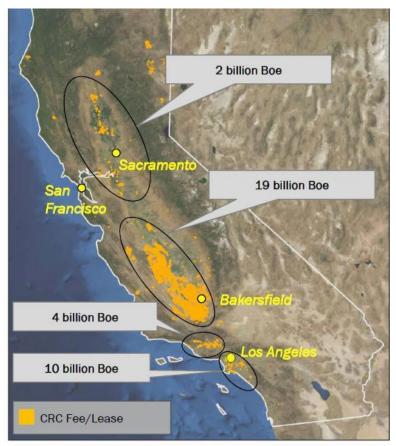
Oil & Gas in California: Then & Now

Significant Resource Base within a Developed Economy

Four Major Basins; Still Underexplored

- 28 BBbl and 40 TCF produced to date
- Four multibillion barrel basins: Sacramento, Ventura,
 San Joaquin, and Los Angeles
- California has 5 of the largest 12 fields in the continental USA
- San Joaquin Basin alone has produced 20 BBbl and includes the largest oil producing county in the US (Kern Co.)
- California produced ~20% of the world's oil in 1920's
- L.A. basin notable as the richest in the world on basis of oil accumulation per cubic meter of sedimentary rock
- Certain fields feature over 20 producing zones
- Vast majority of wells have been drilled to shallow depths and deeper zones remain untested







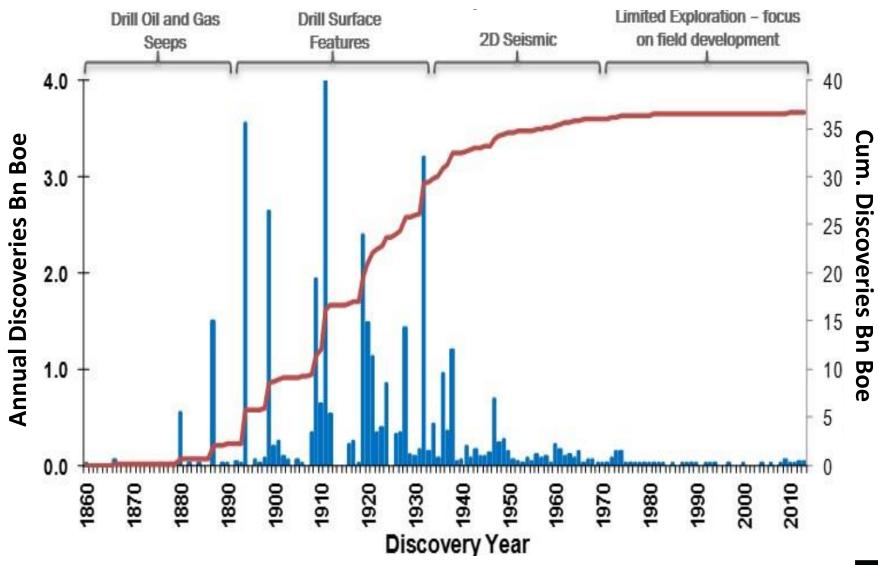
Huntington beach circa 1930's, source unknown



California Exploration History & Current Trends



Golden State Has Seen Limited Recent Exploration Despite 3 Supermajors' Presence



California vs. International

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Play Screening Comparison

	CALIFORNIA ONSHORE	OVERSEAS (NON-OECD) ONSHORE OFFSHORE		
Basin & Play Status	Mature	Frontier - Emerging	Frontier - Emerging	
Resource Potential	Medium	Medium	High	
Hydrocarbon Type	Oil	Oil & Gas	Oil & Gas	
Commercial Success Rate	> 35%	20%1		
Cost To Condemn	Low ~\$5MM	Medium \$10-50MM	High >\$50MM	
Time to 1st Production	Immediate	3-10+ Years		
Proven Reserve Adds	Immediate	FID/1st Production		
Access	Large, contiguous land position	Leased &/or held by Governments		
Above Ground Risk	Low	Medium - High		

¹WoodMac Annual Exploration Benchmarking Study, September 2014





CRC Company Overview - Opportunity Set Introduction



Opportunity Overview



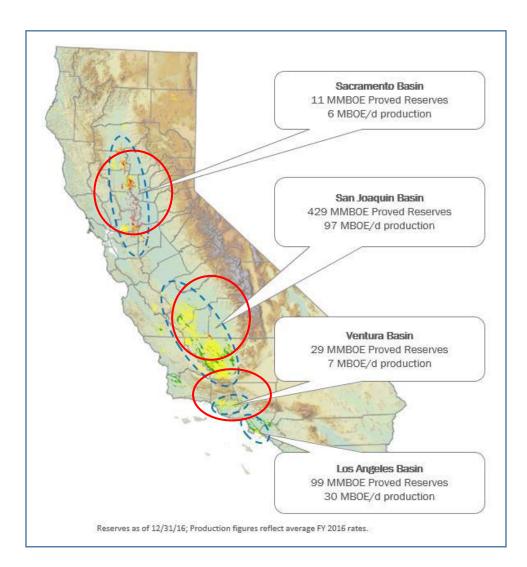
Scalable, Drill-Ready Opportunities with Balanced Risk Profile

World-Class Resource Base

- NYSE-listed, focused independent
- Occidental Petroleum (OXY) spun off California business unit in Dec. 2014
- CRC operates 4 of 12 largest fields in the continental U.S.
- 568 MMBOE proved reserves
- 140,000 BOEPD production (77% liquids)

JV Opportunity Summary

- Multi-year JV allows partner to:
 - Drill individual defined prospects
 - Pursue multi-basin exploration, with goal to build out a new core area
- Low risk conventional, near-field exploration prospects targeting proven reservoirs in producing play trends
- Opportunity to join ongoing, high-grade exploration program
- Partner can explore, identify and develop long-term play opportunities



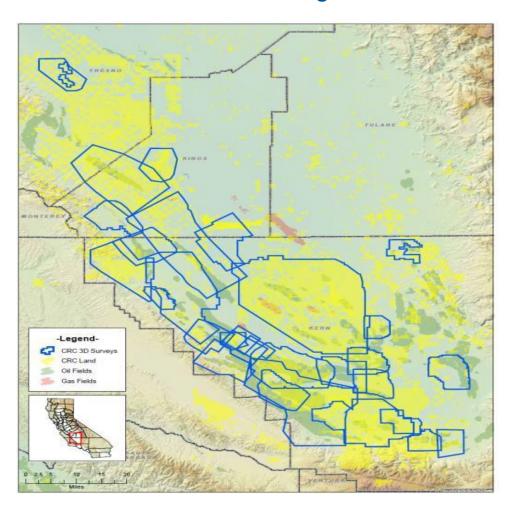


CRC Competitive Advantage in California

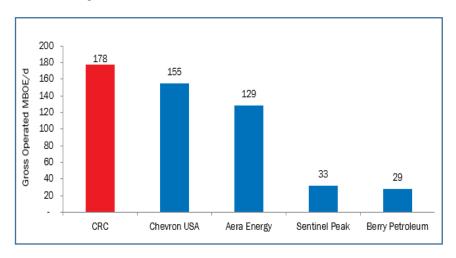


Controls 90% of 3D Seismic; Largest E&P Operator in State with Extensive Midstream

CRC's 3D Coverage



Top California Producers in 2016





CRC-Operated Drill Island in Long Beach, California



CRC Exploration Portfolio

High-Reward; Low-Risk Conventional Drilling Inventory

Drill-Ready Portfolio

2 BBOE+

Net Unrisked Resource Potential

150+ Prospects

In Proven Play Trends

Near-Field

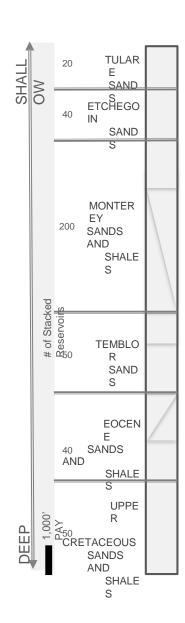
Close Proximity to CRC Infrastructure

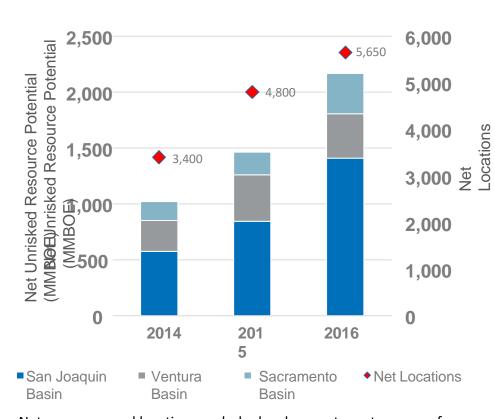
Both Oil & Gas

Oil and Gas Prospects Provide Optionality

20+ High-Grade Prospects

Available for JV





Net resources and locations exclude development assets, some of which have been reclassified from exploration where they were reported in 2014.



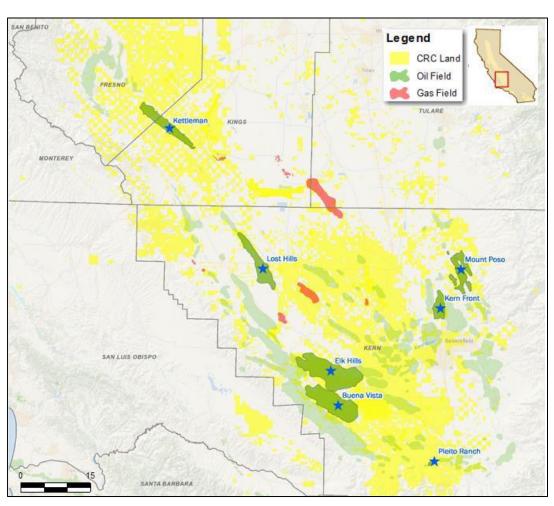
San Joaquin Basin

An American Super-Basin



Example Prospect

- Proven reservoir, produced over 2BBoe across basin
- Stratigraphic trap defined on proprietary3D seismic
- Within 6 miles of primary source kitchen with direct focus into trap
- 50-100+ MMBOE resource potential
- Direct analog to CRC Buena Vista
 Nose discovery with well production
 rates >1000 BOPD
- Within 3 miles of existing CRC infrastructure



25 BBbl OOIP within CRC fields



Ventura Basin



Multibillion Barrel Basin With Minimal Recent Exploration

Example Prospect

- Low risk field step out opportunity within CRC-operated field
- Targets proven reservoirs that have produced 120+MMBOE within field
- Play extension in undeveloped area of field, updip of lowest known oil
- 15-20MMBOE resource potential
- Significant operating infrastructure less than 1/2 mile from prospects



High Growth Area: huge OOIP, low recovery factor & potential for high-IP wells



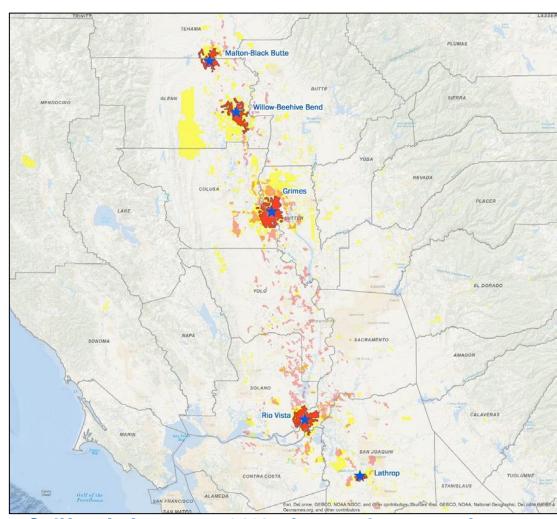
Sacramento Basin



High-Impact Gas Exploration in Captive Market

Deep Gas Prospects

- Historical activity targeted seismic
 bright spots at ~6000 ft. or less
- Underexplored deep reservoir section
- 5-7 deep prospects close to CRCoperated infrastructure
- Structural traps on 3D seismic
- Direct access to source kitchen with shallow gas fields above prospects
- 200 Bcf to 1TCF resource per prospect
- Analogs to Dempsey discovery (late 2017) operated by Sacgasco



California imports >90% of natural gas requirements



JV Opportunity Summary



Three-Year Drilling Program: \$4-6 Million Average Well Cost

What Does a Partnership Look Like?

Diverse Project Type

Hydrocarbon & risk

Multi-phase commitment

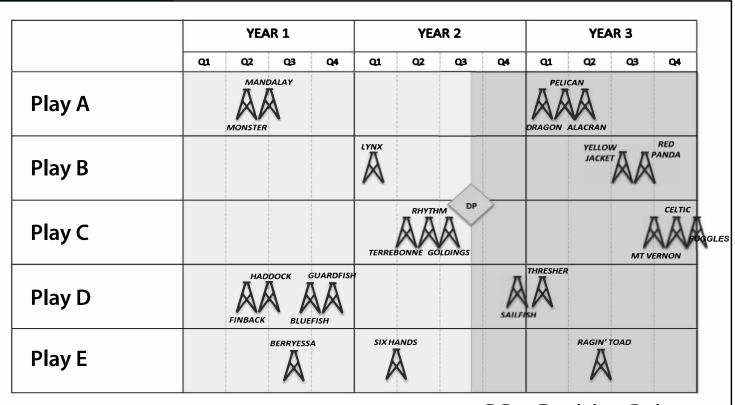
Provides control for long term relationship

Repeatability & running room

Multiple independent prospects in each play

Immediate impact

Near term production, cash flow & resource/reserves



DP + Decision Point

GROSS CAPEX	PHASE 1	PHASE 2	
	12 WELLS - \$60MM D&C	11 WELLS - \$64MM D&C	





Gulf Coast Conventional Onshore Portfolio

"High Impact US Exploration is a viable contrarian strategy. The opportunity is now."



Opportunity Introduction



US Onshore Conventional Exploration as of 2018

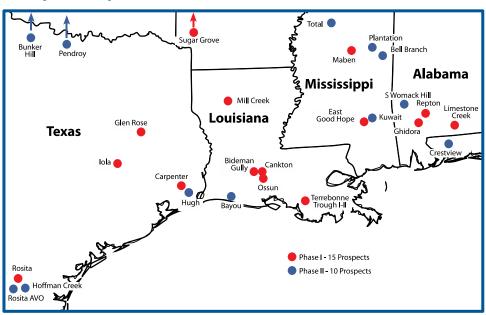
Resource Plays	 During the past 10 years, virtually all U.S. E&P capital shifted to resource plays Onshore conventional exploration has almost been abandoned, leaving a tremendous capital vacuum to be filled Non-U.S. companies can be competitive in the onshore U.S. by pursuing conventional E&P opportunities, whereas they will struggle to succeed in the major oil and gas resource plays
Conventional Prospects Offer Greater Returns	 Conventional exploration requires much less capital as compared to the large upfront expensive acreage positions followed by horizontal drilling and multistage fracking completions of resource plays Economics of successful conventional wells are far superior when bundled into a "Portfolio of Prospects" to spread the risk
Recent Technological Advancements Have Improved Conventional Economics	 Advancements in the quality of seismic data has resulted in the identification of previously-undetectable prospects in the conventional US Enhancements in drilling technology allow for wells to be drilled to greater depths, at higher temperatures and pressures Improved completion techniques significantly increase well-bore recovery

Opportunity Overview

SKII

Scalable, Drill-Ready Opportunities with Balanced Risk Profile

Prospect Map



Opportunity

- Drill high impact onshore conventional exploration in an industry focused on low return, unconventional drilling
- Targeting 5 TCF and 106 MMBO of potential reserves

Highlights

- SKH has spent \$15 million USD of its own funds and now seeks \$150 million USD to test a solid portfolio of 15 conventional onshore prospects (Phase I)
- Prospect's P(s) varies from 25%-75%
- Risk-adjusted PV10 of \$4.6 B with a ROI >20:1
- On-trend with major analog oil and gas fields
- Near pipeline infrastructure, ~90 day hookups
- Single risk factor for each prospect (structure, reservoir, timing, or seal)
- A single vertical well will test each prospect
- A failed prospect does <u>not</u> condemn any other prospect
- Simple Completions
- No multistage fracking required
- A single discovery pays out the 15-well drilling portfolio



Industry Partners

SKH Founded by Sigmund & Hatch in 1991



Industry partners or buyers of prior projects and properties include some of the best names in the energy sector including:

- ExxonMobil
- Marathon
- Total
- Chesapeake Energy
- Devon Energy
- Murphy Oil
- Noble Energy
- The Williams Companies
- Clayton Williams
- Square Mile
- Samson
- Encana
- Ballard
- West Bay
- Amoco
- Questar

SKH is one of the largest generators of conventional oil & gas prospects in the Lower 48





Two-Phased Approach

SKII

15 Prospects with Balanced Risk

Phase I

- SKH seeks \$150 million to test 15 prospects with a single vertical well each
- 5 TCF & 106 MMBO potential reserves
- Risked-adjusted PV10 of \$4.6 billion with a ROI >20:1
- Success from any one of several prospects within the portfolio pays out the entire initial investment
- Individual prospect success rate is between 25%-75%

Phase II

- 10 optional prospects
- Adds an additional 1 TCF and 50 MMBO





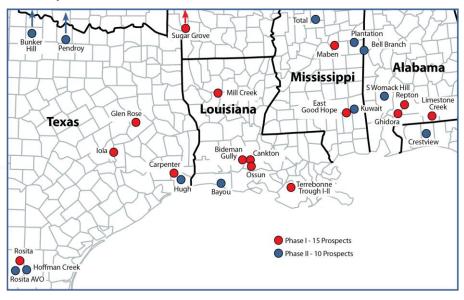


High Impact Gulf Coast Exploration

Prospects targeted to meet the following:

- Structural risk mitigated by the existence of four-way closures identified with 3-D seismic
- Seal has been tested or identified.
- Migration/timing risk is minimal

Prospect Portfolio





All Prospects Have An On-Trend Major Oil or Gas Field Analogue



Proven geology, geophysical signatures, and petroleum system

Reserves

Ultimate Recovery

Phase I Prospects		Oil (MMBO)	Gas (Bcf)	Analog Field	Oil (MMBO)	Gas (BCF)
1	Repton (Alabama Up Dip Smackover)	6.0	6	Little Cedar Creek	25.0	25
2	Glen Rose (East Tex. Cretaceous)	24.7	74	Alabama Ferry	55.0	200
3	Ghidora (Norphlet Pinch Out)	5.0	5	Monroeville	6.0	5
4	Maben Extension (Black Warrior Ordovician)	-	15	Maben	-	110
5	Mill Creek (North La, Bossier)	-	300	Vernon	-	2,000
6	Iola (East Tex. Bossier)	-	450	Amoroso	-	1,500
7	Rosita (S. Tex. Wilcox)	-	25	Rosita East	-	400
8	Terrebonne TR I (South La., Bossier)	2.4	60	La Cantera	4.8	120
9	Terrebonne TR II (South Louisiana Rob L)	3.6	90	Turtle Bayou	17.0	250
10	Sugar Grove (Arkoma Arbuckle)	-	300	Wilburton Deep	-	400
11	Carpenter (Yegua Long Offset AVO Play)	2.0	20	Constitution	4.5	90
12	East Goodhope (MAFLA Eolian Norphlet)	-	1,467	Mary Ann	-	700
13	Limestone Creek (Up Dip Smackover)	5.6	6	Brooklyn	30.0	30
14	Bideman Gulley (SLA Eocene Above Salt)	12.8	640	Lineham Creek	11.0	546
15	Cankton (SLA Sub Salt Eocene)	44.0	1,468	Lomond	-	3,000
	Total:	106.1	4,926	Total:	153.3	9,376

The Eocene prospects have recently benefitted from:

- Advancements in onshore 3-D seismic processing allow the delineation of sub-salt structures
- Recent Advances in Full Wave From Seismic interpretation to identify stratigraphic traps and analyze direct hydrocarbon indicators (Class II AVO's and Lambda-Mu Inversion Anomaly)
- Analogous producing fields have identified the existence of pay in the area (e.g. MMR & Chevron wells have identified Eocene sands further from source than SKH's position)



PLS Energy Advisors Group

SKII

PLS offers the industry's most experienced A&D professionals in mid-market

235+ Years of Expertise

Ronyld W. Wise

Founder & Managing Director

- 35+ Years Experience
- Incl. 6+ Years Oilfield Services
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- · Lived In Canada For 2 Years
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- Houston

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- · A&D business past 25+ yrs
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- BS Geology, Mississippi State
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- 5+ years' global upstream transaction experience
- Visited PLS clients in over 35 countries since 2014
- Fluent in Arabic
- B.A. and M.A., Stanford University

Project Execution

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- Denver

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