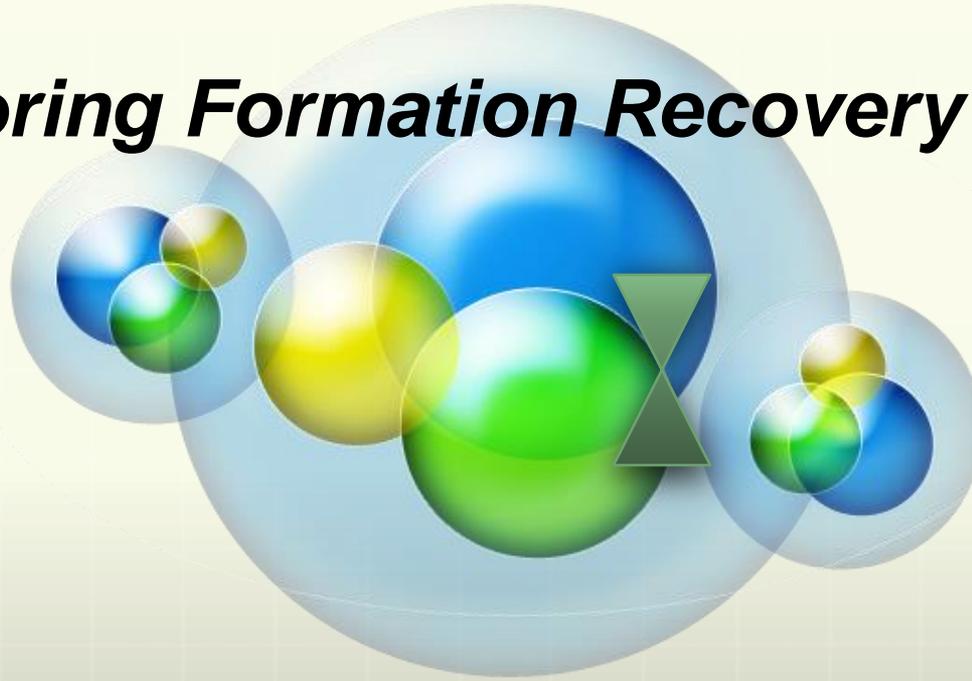


# ***In Situ Coring Formation Recovery System (SCRS)***



AccuCore Technologies LLC

# AccuCore SCRS 12K Series

NOT TO SCALE

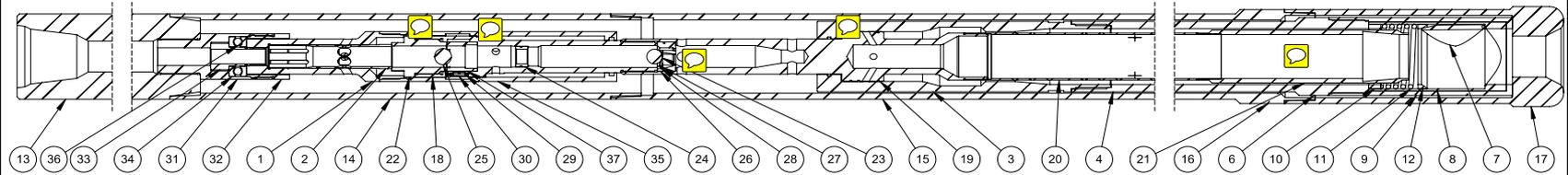
Item No.	Description	Part Number	Qty
1	Outer Piston Top	SC1000021	1
2	Inner Bypass Valve	SC1000043	1
3	High Pressure IT Top	SC1000014	1
4	Vented Inner Tube Extension (4')	SC1000012	2
5	High Pressure Inner Tube (9')	SC1000013	2
6	Lower Vented IT Extension	SC1000045	1
7			3
8			1
9	Flapper Valve Housing	SC1000005	1
10	FV Spacer Ring	SC1000011	1
11			1
12	FV Cam Ring		1
13	Top Sub	SC1000047	1
14	Outer Tube Extension	SC1000039	1
15	Outer Tube	SC1000039	1
16	Bit Sub	SC1000046	1
17			1
18	Inner Locking Piston	SC1000015	1
19	Top Interface Mandrel	SC1000004	1
20	Perforated Core Liner	SC1000003	1
21	Spring Catcher Housing	SC1000001	1
22	ILP Seat Retainer	SC1000047	1
23	Coning Ball, 1.25" Dia	SC1000042	1
24	Activation Ball Seat	SC1000040	1
25			1
26	Drop Ball Body	SC1000031	1
27	Hinge Pin, Drop Ball	SC1000035	3
28	Drop Ball Dog	Torsion Spring	3
29	Dog Base		1
30	Dog Cap	SC1000052	1
31	SC1000023	Cartridge Cap	1
32	Cartridge Plug	SC1000022	1
33	Thrust Bearing Retainer	SC1000027	1
34	Thrust Bearing Race	SC1000025	2
35	Lower Outer Piston	SC1000020	1
36			12
37	SC1000049	ILP Drop Ball Seat Body	1



❖ Designed with safety first approach



❖ Internal Pressure control Stabilizers



REV.	DESCRIPTION	DATE	APP.	LIMITS UNLESS OTHERWISE SPECIFIED:  .XXX ± .005 .XX ± .015 .X ± .03  FRACTION ± 1/64 ANGLES ± 1/2 DEG FINISHES 125 MAX CONCENTRICITY .005 T.I.R. REMOVE ALL BURRS BREAK SHARP EDGES .005/.010 INSIDE CORNERS .032R ALL ANGLES TO BE 25°-50° DIMENSIONS ARE IN INCHES	CONFIDENTIAL <small>RELEASE TO AND ACCEPTED BY THE POSSESSOR ON CONDITION THAT NO RIGHTS OF REPRODUCTION OR USE ARE GIVEN EXCEPT FOR PURPOSE ELSEWHERE SPECIFIED IN BY WRITING ACCUCORE TECHNOLOGIES LLC.</small>	TITLE: <b>OVERALL TOOL</b>	PAGE:				
A	INITIAL RELEASE						AccuCore Technologies LLC	DRAWN BY:	1		
MATERIAL:				MATERIAL DESCRIPTION:		HEAT TREATMENT:		FINISH:		EST. WEIGHT:	
						DATE:		APPROVED BY:		DRAWING NO:	
						DATE:				REV: A	

# SCRS Technology



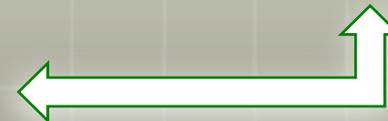
❖ 15', 30', 45' x 3.5" samples

❖ In field pressure draw down

❖ SCRS tools are not serviced on rig the floor

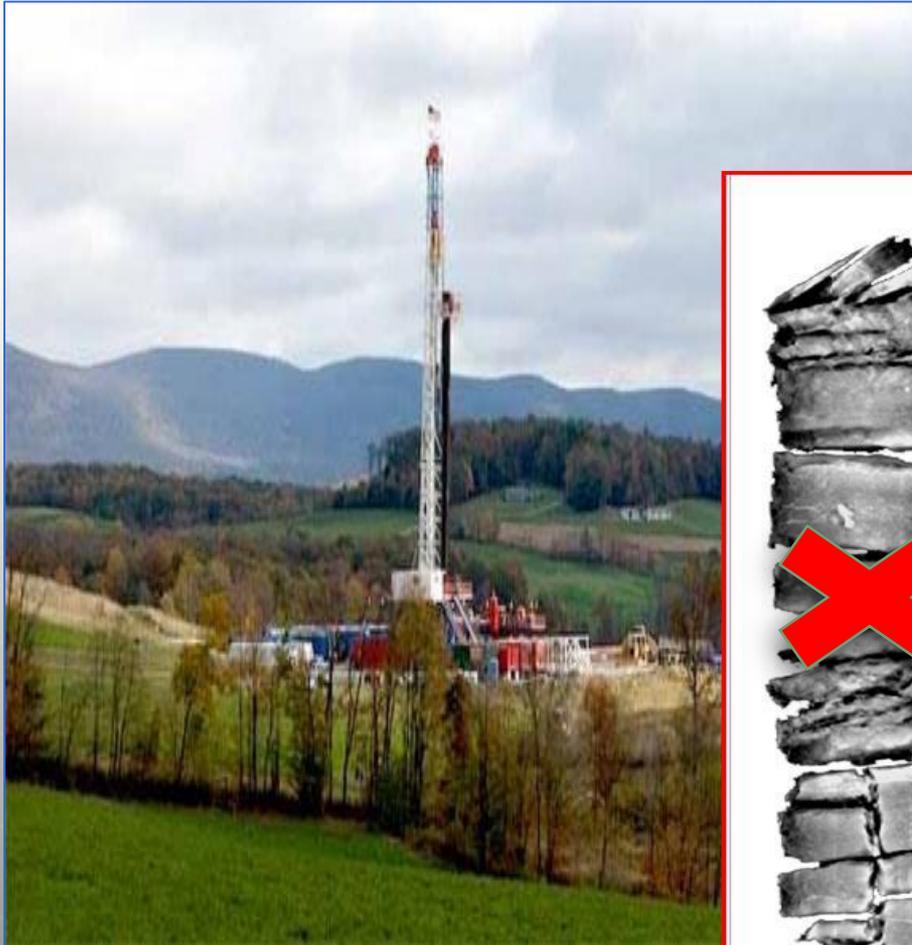


❖ On-site mobile skid unit for core processing



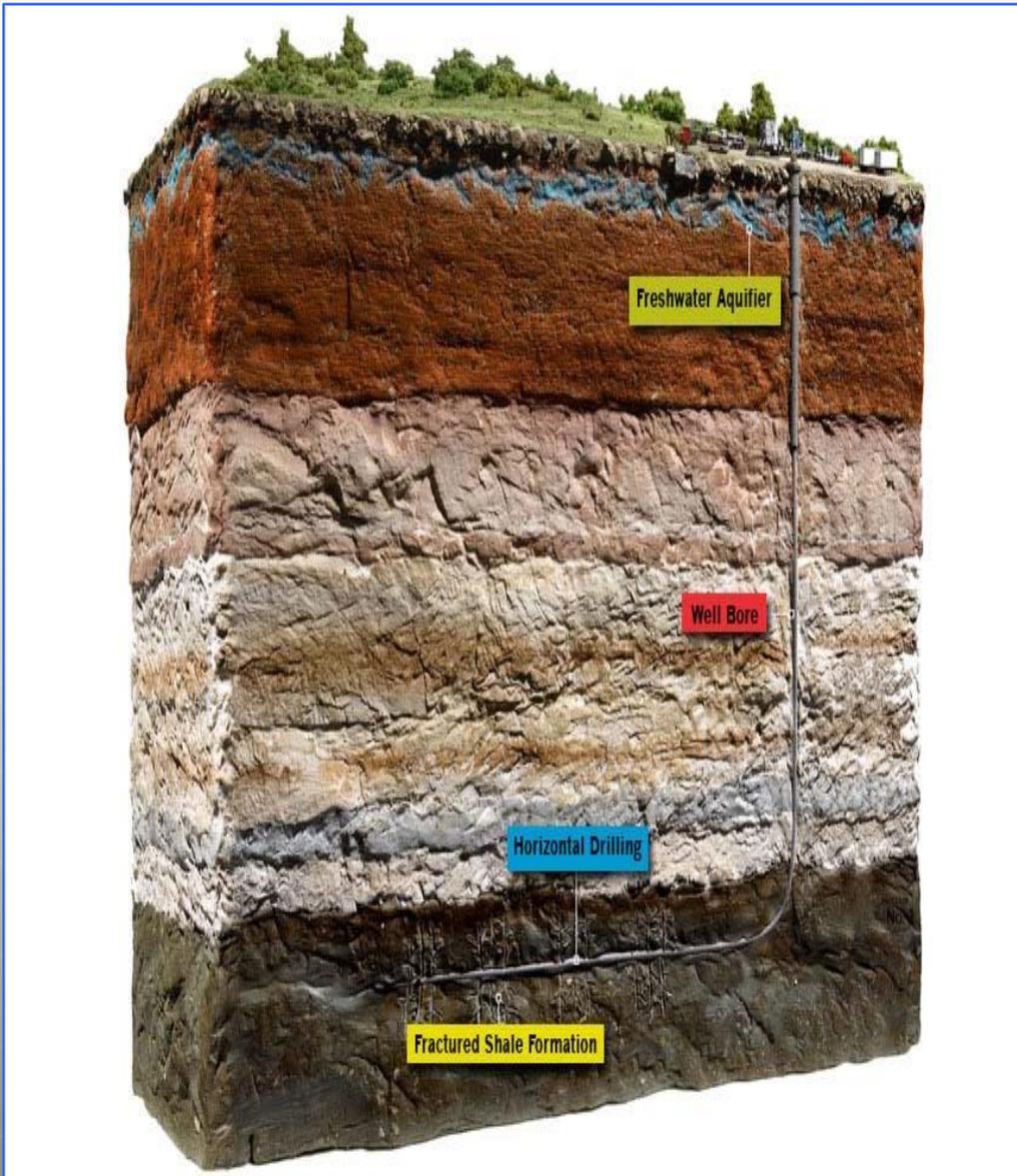
# SCRS Enhanced Value

❖ Standard trip time for (SCRS)

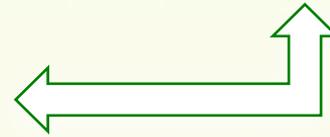


❖ No damaged core from trip out of hole speed

# SCRS Capabilities



❖ Aquifer gas recovery



❖ Vertical Coring  
formation transition



❖ Horizontal Coring  
Identify Pressures  
Formation continuity  
CT Scan capability

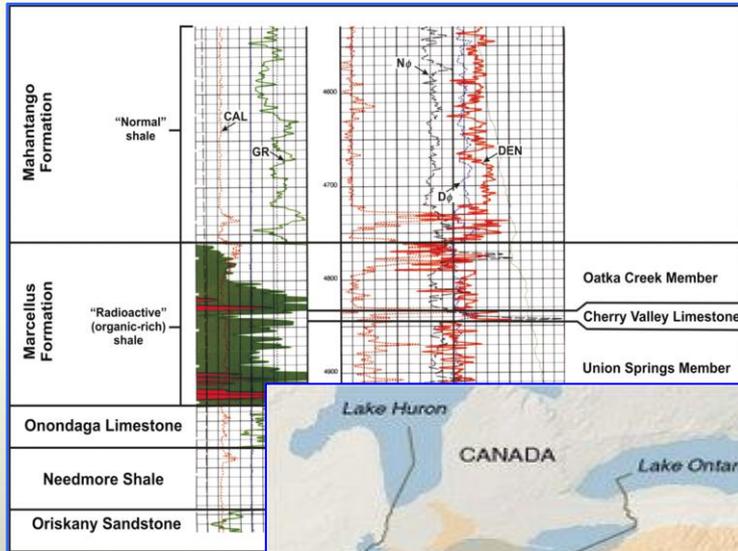


# SCRS Capabilities

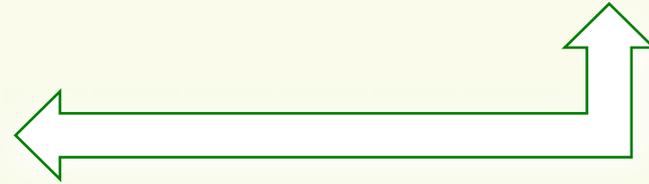


- ❖ Recover Total Gas in Place
- ❖ Identify Lost Gas
- ❖ Large Volume Fluid and Gas Sampling

# SCRS recovers Hydrocarbons In Place (HIP)



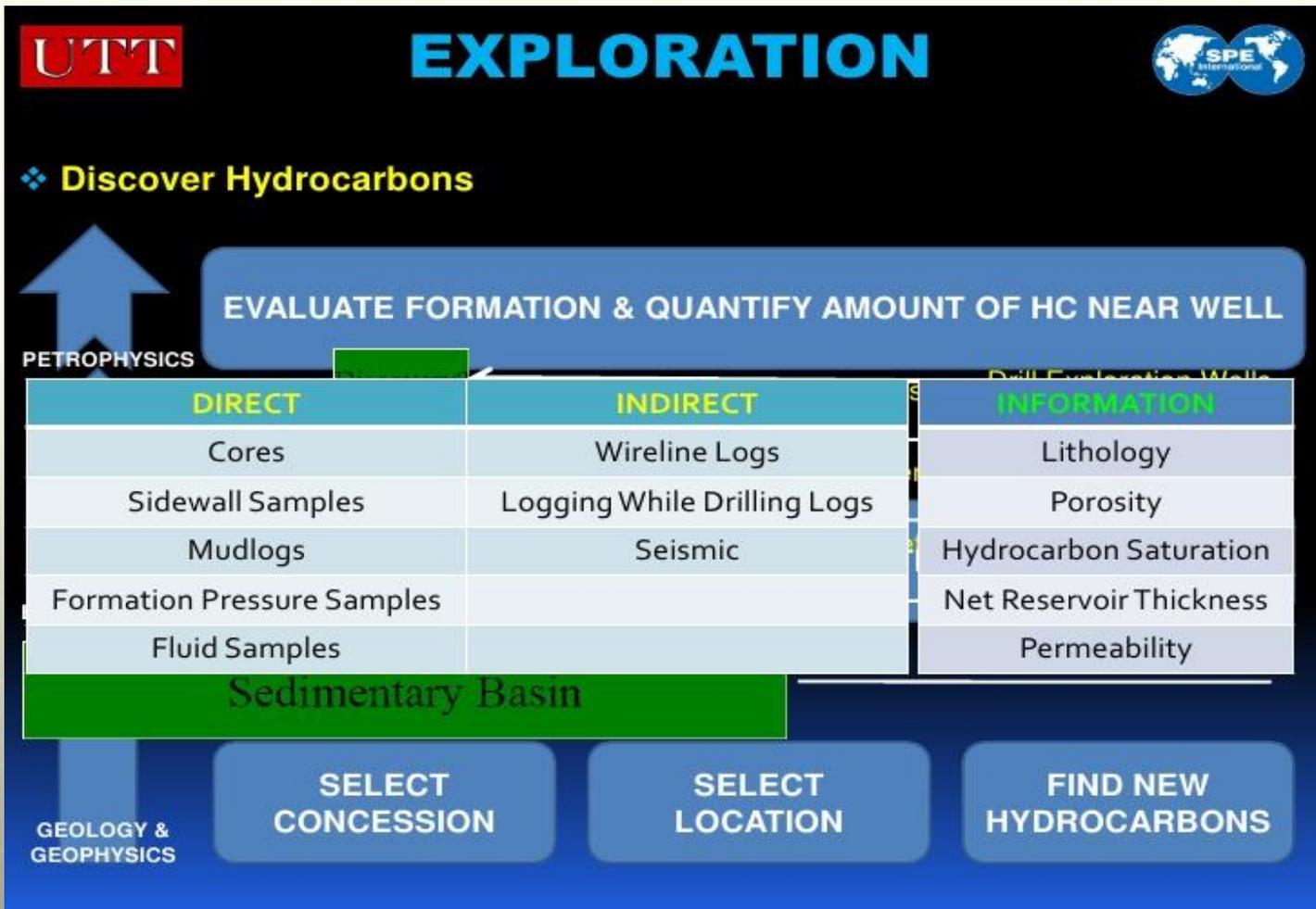
❖ Sure up Logging Data



❖ Sure up seismic data



# SCRS Data Support



# Competition/Price US Market

- ❖ Australian based company ALS, tools with 500-700 PSI rating 9' core if tools work, large diameter pipe required to run system along with wireline truck/personnel, seems very costly \$\$ limited data, company pushes system for revenue, very high cost per foot
  - ➔ Hi Risk product, no float valve in drill string while using the system
- ❖ Dubai Based Halliburton, Vault wireline rotary cores, limited performance hard to identify targeted results, all sidewall cores are in the same container, non conventional wireline sidewall only system non rig pipe or rental pipe, limited data
- ❖ US Based AccuCore, Conventional assy, uses standard drill pipe, quick trip capable after coring, non rig floor entry of tools, 12K PSI capable, 15',30',45' tool lengths for various rig configurations, vertical or horizontal coring. mobile Skid unit small footprint, Professional staff, flex-pricing at least 40% less than competitors with much better results.

# SCRS Timing/Partners

Tools are being machined out and should have a complete test system ready by June 1 2016.

The companies goal is to be setup with office/shop/mfg in PA 2016

AccuCore has been planning for analytical support with Core Lab as major lab, and a smaller lab that is also being set-up to service our system - Premier Oilfield Laboratory, this gives lab option for the system

# AccuCore Team



Randy McSweeney – CEO

Is an industry expert in coring tool selection for varied formations and rig configurations providing over 35 years in O&G industry, field service, sales and business development.

SituCore is being provided from AccuCore Technologies LLC with an understanding of value. Randy has worked with all levels of Operators, including Geothermal, and all major E&P providers.

“Vision equals Value”

# Summary

*In Situ formation recovery provides an accurate method of identifying and defining reservoir value. SCRS will provide support to Operator's current and future development.*

**Contact: Randy McSweeney  
AccuCore Technologies LLC  
1-832-623-0075**

