OIL & GAS INTERNATIONAL JOINT VENTURES

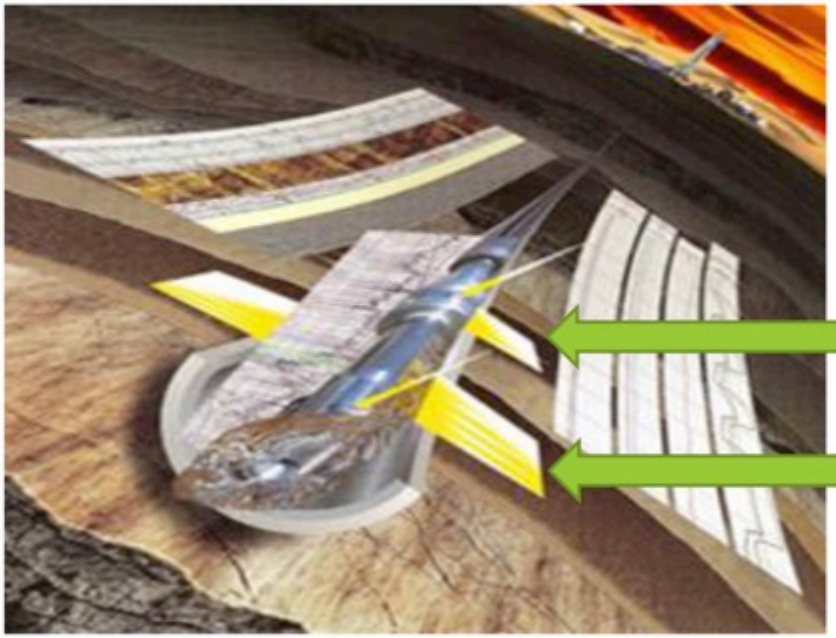
Our company provide a unique approach to oil & gas international joint ventures. We structure international joint ventures with state-of-the-art patented extraction technology which is environmentally friendly and extremely cost effective. Our clients have an array of solutions for the energy sector: from international exploration, extraction and revival of closed wells through innovative international joint ventures.

Environmentally Responsible Enhanced Oil Recovery Technology

Chosen by Petronas over 54 competitive technologies from Schlumberger, Halliburton, Archer, Hydrawell and 49 others

EcoSlice™ *and TerraSeal* ™

High Performance Sand and Water Jetting Technology



EcoSlice™ "Door" cut into formation

Increases Oil, Gas, Water Recovery ~200% - 300%+
Flattens Decline Curves ~30%
Permeability ~15X, Porosity ~5X
Single Treatment, 10+ years

This technology challenges the status quo in the Energy Industry by finding elegant **Eco- Responsible solutions** to problems that are seen as unsolvable. This solution is simple and elegant, allowing the cleaning of the industry problems and providing a better future for our children, all while providing justified economic and social benefits.

This patented technology is **free of greenhouse gas emissions**, **free of chemicals, and make economic sense.**

This technology offers an alternative to drilling another well by helping new and old wells recover more oil/gas from the formation (2x – 5x on average). Is done with **Eco-Responsible** technology that utilizes only recycled water (usually formation water and sand) to clean up near well-bore damage, creating a massive "doorway" to the formation for the gas/oil therein to flow to the well bore – which becomes the lowest pressure point in the formation. The process is quick, efficient and generates much higher recovery and much flatter decline curves. EcoSlice ™ and TerraSeal ™ are compatible with ongoing fracking operations.

The joint venture agreement stipulates the provision of manpower, expertise, know-how and in-site training for the local personnel. A comprehensive solution that turns cost centers (underperforming or closed wells become profitable again).

Why this technology achieves such high recovery rates?

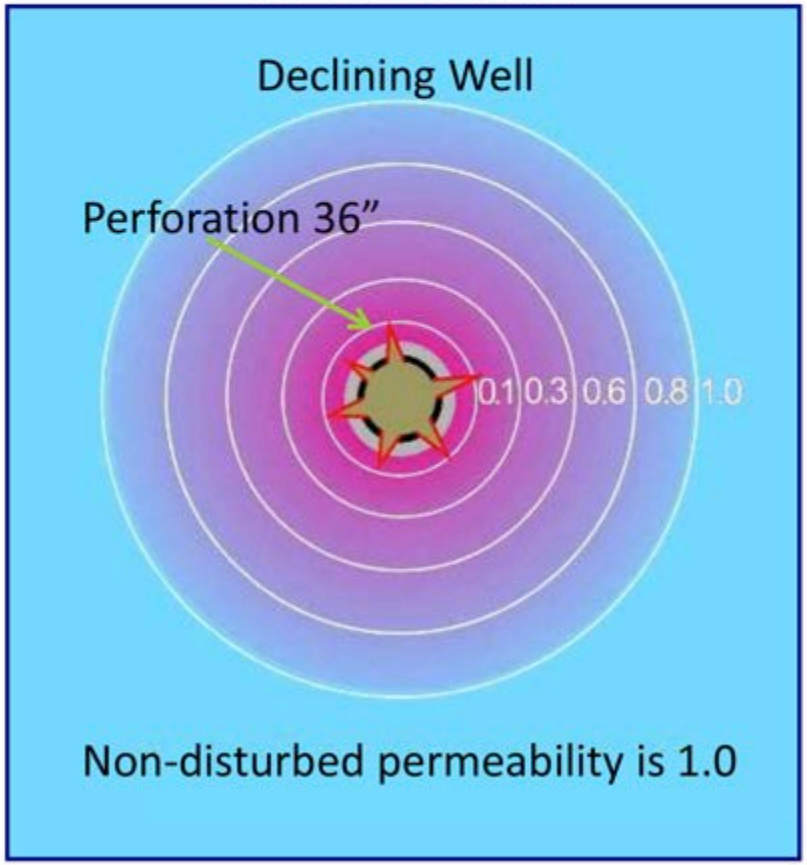
We clean up the near well bore zone which a traditional frack actually worsens because it pushes more sand into the near well-bore zone and adds to the damage in that zone, increases the local pressure which results in an increase in the slope of the decline curve (shortens both the recovery amount and the useful life of the well) were it not creating this added, near well-bore damage.

A traditional frack moves out into the field and increases the field pressure again as it pumps the sand into the formation – this is highly beneficial once we have created a lower well-bore zone pressure because the fluids or gases will naturally move from areas of high pressure (now the entire frack field zone) to the lower pressure zone – now the **well-bore which is now effectively 20'-40'** rather than 5"!

This combination resulted in improvements on documented wells of more than 1000% on the tested wells and over 800% compared to the best local other wells. This is why our technology without/with a frack generally improves recovery rates by 2x – 5x and flattens the decline curves as we have created a massive doorway in the formation for fluids to pass through and a massive increase in surface area that prevents fines from blocking and closing the near well-bore area.

Pressure Forms Around the Wellbore

Well Cross Section

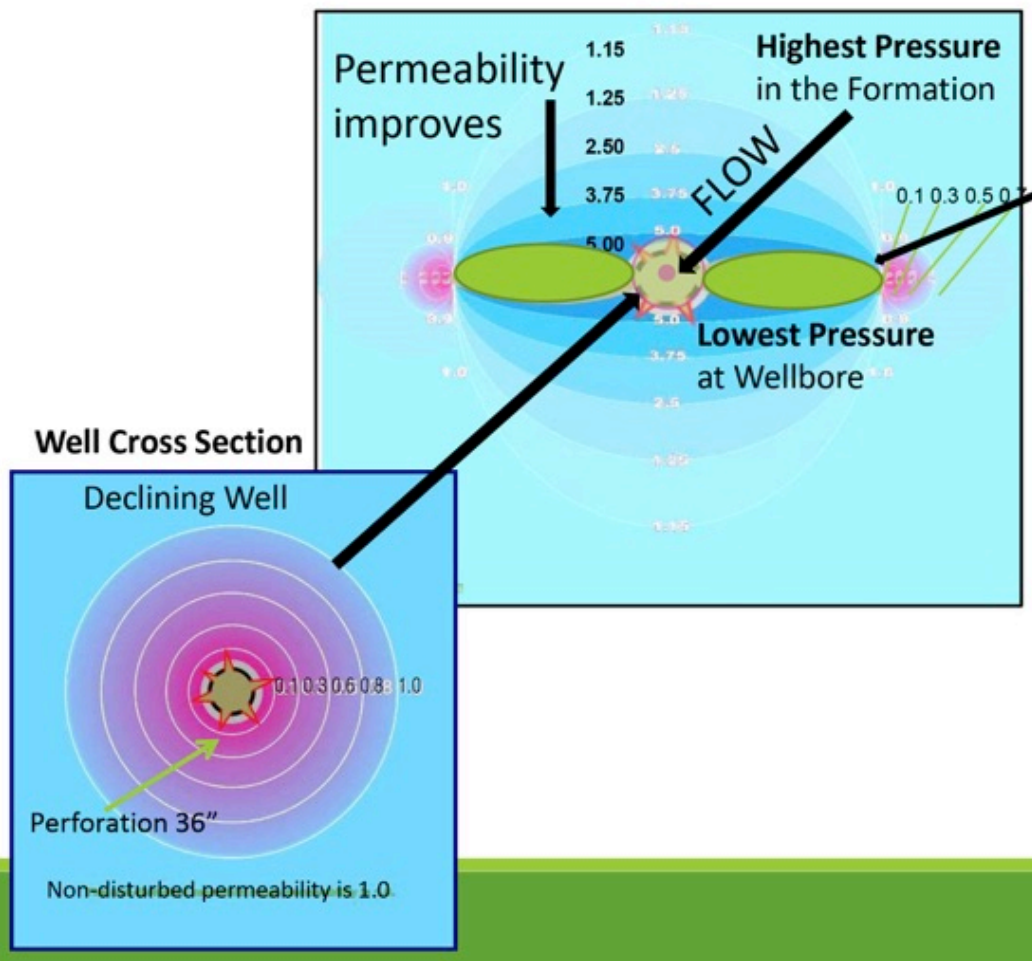


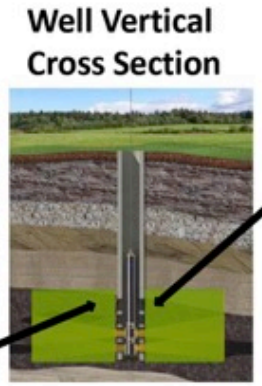
Drilling and conventional completion technologies cause a high pressure/low permeability area to form around the wellbore. Perforations try to breach this area to get to the primary formation but only the tips reach the clean area and thus oil/gas flows steadily decline over time

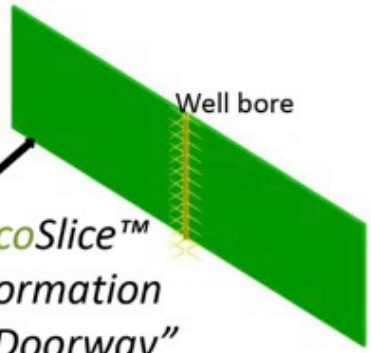
As the well ages, existing well fines drawn into the near bore zone close the zone as they travel with oil and gas like dirt in a filter on a vacuum and the volume of the rings widen and the perforation is overwhelmed – the well dies. Greater fines/higher IP = faster decline (fracked wells)

IMPROVES OIL/GAS FORMATION ACCESS FOR ENHANCED RECOVERY

Eliminating Wellbore Pressure



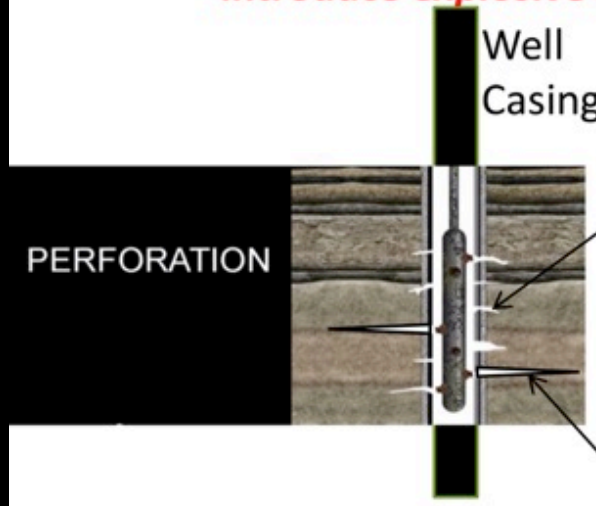




The Process – a "Doorway" is excavated from the formation up to 20' on either side of the well casing for the high of the payzone– creating an effective 40' well bore

IMPROVES OIL/GAS FORMATION ACCESS FOR ENHANCED RECOVERY

Traditional perforations 18" – 38.5" – created with explosive charges that introduce explosive shock, metal fragments and molten liquid scar to formation



Conventional Perforations up to 38.5" deep tapering to 0" from ¾" – 1"

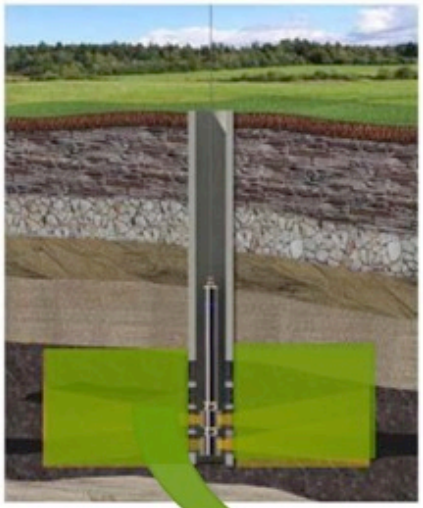
Conventional Perforations up to 38.5" deep tapering to 0" from ¾" – 1" – Easily Filled and closed off with debris, paraffin, etc.

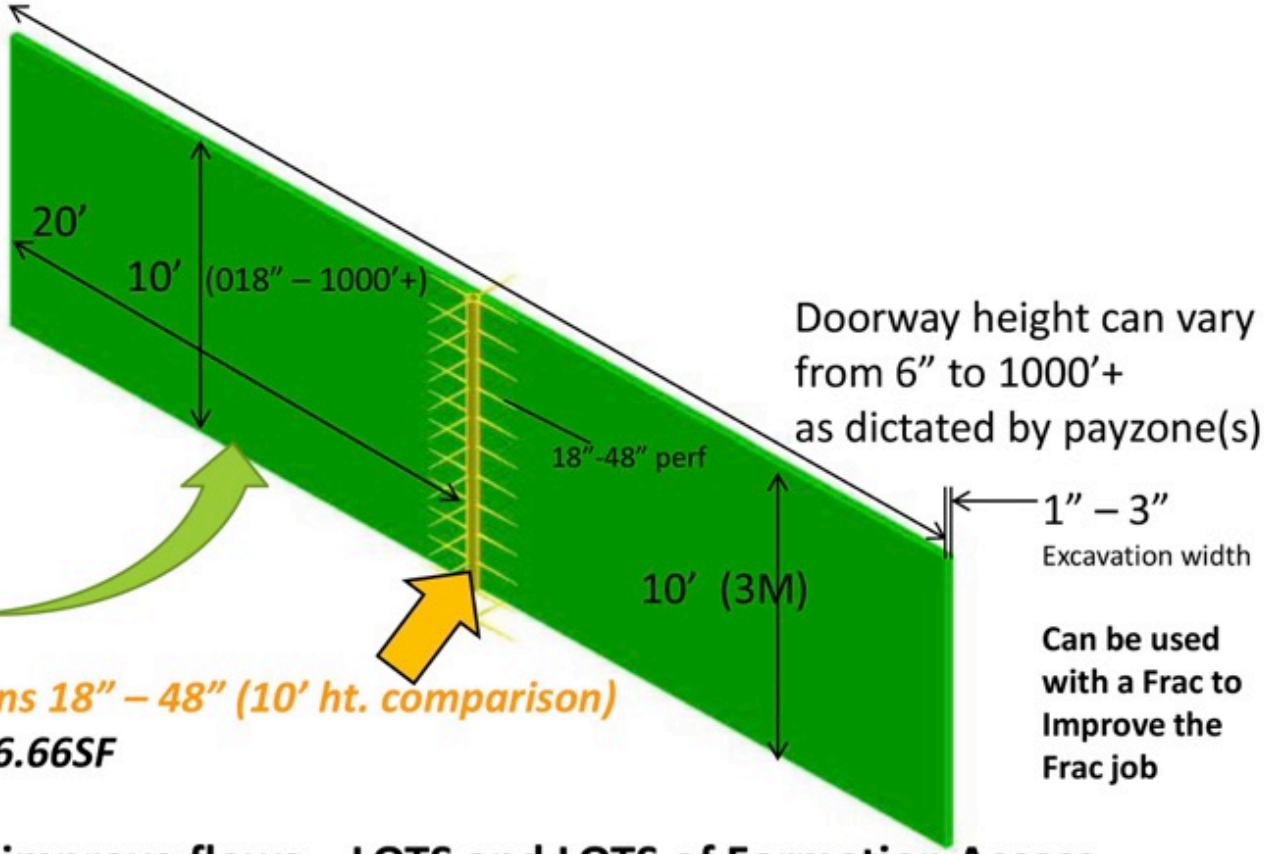
EcoSlice™

IMPROVES OIL/GAS FORMATION ACCESS FOR ENHANCED RECOVERY

A "Doorway" in the Formation Enhances Flow

Well Vertical Cross Section





Doorway height can vary from 6" to 1000'+ as dictated by payzone(s)

1" – 3"
Excavation width

Can be used with a Frac to Improve the Frac job

Traditional perforations 18" – 48" (10' ht. comparison)

40(4' x 0.0416 SF)=* ***6.66SF***

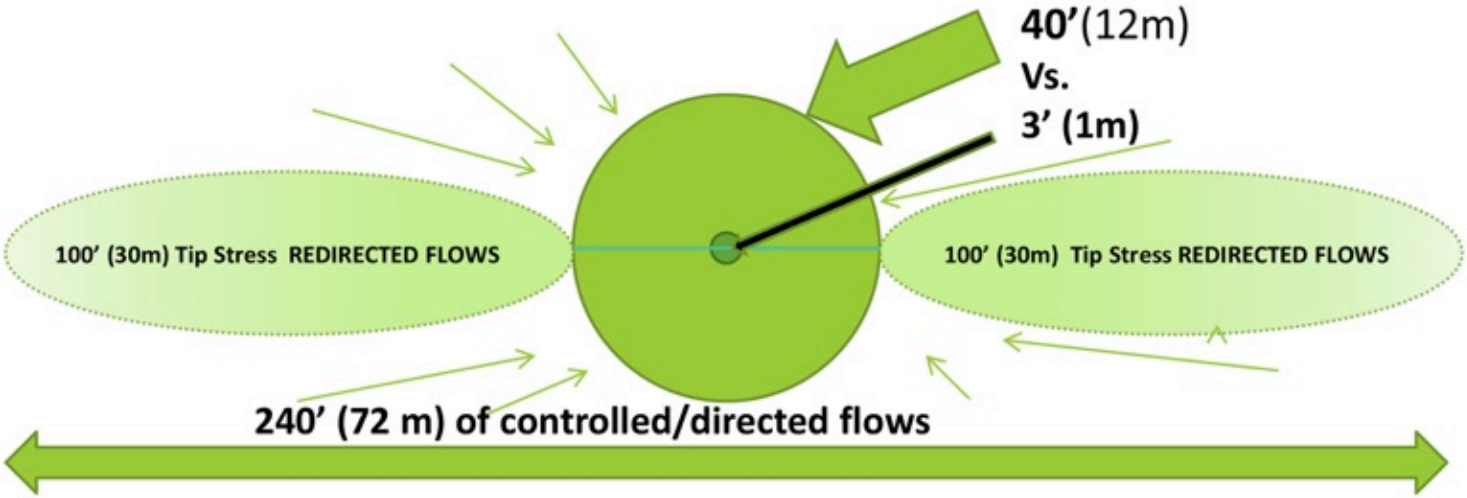
This is why we improve flows – LOTS and LOTS of Formation Access

IMPROVES OIL/GAS FORMATION ACCESS FOR ENHANCED RECOVERY

The Super Wellbore

excavated rock
and casing 11/16" – 3/4"
(1mm – 18mm dia.)

Creates an **effective well-bore of up to 40'** (12m)
versus **3'** (1m) for a 5" (125mm) bore



- Improves probability of success for new drilling,
- enhances recover in new & existing wells

Rock Excavation – Creates Vertical Permeability

"Doorway" connects thin layers of oil/gas which may be separated by micro layers of shale (interbedded) and creates vertical connections between them all.
Payzones which are often by-passed with traditional perforation can now be harvested.

technology will typically excavate several tons of rock and bring it to the surface.

EcoSlice™ excavated rock and casing 11/16" – 3/4" (1mm – 18mm dia.)

Stone, granite and marble

Cut with abrasive water jet

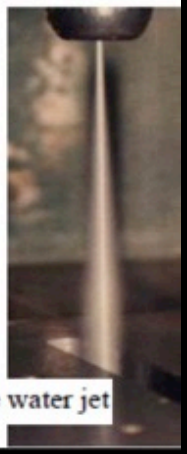
EcoSlice™

IMPROVES OIL/GAS FORMATION ACCESS FOR ENHANCED RECOVERY

Technology Overview

Developed with grants from the US DOE, Canadian Research Council and NYSERDA

- ***Eco-Slice™ uses only Sand and Formation Water - EcoFriendly***
- Does not damage the formation or introduce shocks, debris or metals
- No chemicals or heat to excavate a trench up to 40' long in formation;
- Cutting the casing skip-stop to insure integrity of casing /cement
- ***EcoSlice™*** Technology excavates a slice from the earth 1"-3" by up to 20' from the well-bore in a balanced cut using only a small amount of recycled formation water (50-300 barrels) and recycled sand(20/40) /garnet/kleenblast.
- These 180 degree opposed cuts **improve permeability by 15x and porosity by 5x, cleans near well-bore damage – lowers pressures at bore**
- Reduces flow problems for heavy/waxy oils
- Utilizes 5,000 psi pumper/mixer at 7-9 gpm, with up to 5 lbs. 16/32 Kleenblast per gal and a crew of three (3), ***EcoSlice™*** tool is about 12', 165 lbs.



high pressure water jet

Enhances Permeability up to 15X and Porosity up to 5X

EcoSlice™

IMPROVES OIL/GAS FORMATION ACCESS FOR ENHANCED RECOVERY

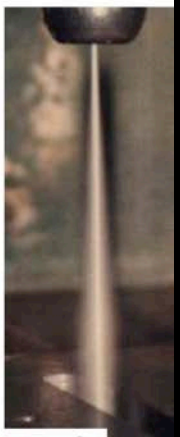
Enhances Permeability up to 15X and Porosity up to 5X

The Anti-Frack that helps Fracking

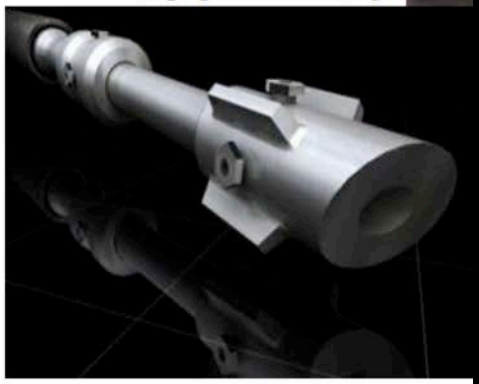
- ***EcoSlice™*** is the Anti-Frack
- Fracking puts about the same volume of sand into a formation (thus tightening up the overall formation) as we excavate from the formation thereby reducing stress and pressures near the wellbore
- Fracking puts proppant (sand) into the formation to break open fractures but tightens the overall formation by increasing the formation pressure *thus when used with an* ***EcoSlice™*** we improve the Frack performance because the near well bore area has lower pressure and the formation has higher pressure so flows naturally move from points of high pressure to points of low pressure

- ***EcoSlice™ can be used in both Vertical and Horizontal Wells – cased or open-hole***

Developed with grants from the US DOE, Canadian Research Council and NYSERDA

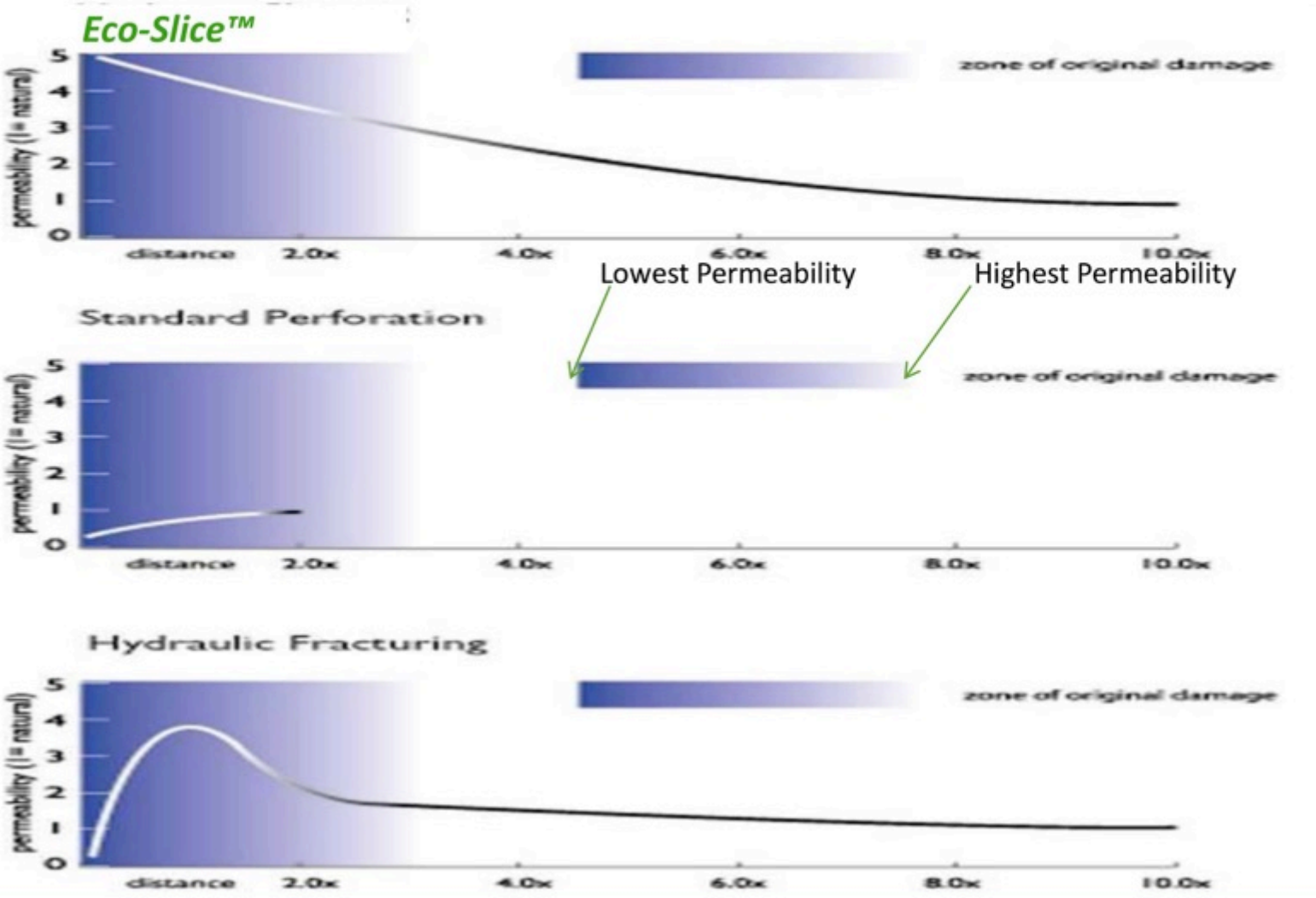


high pressure water jet



EcoSlice™

IMPROVES OIL/GAS FORMATION ACCESS FOR ENHANCED RECOVERY

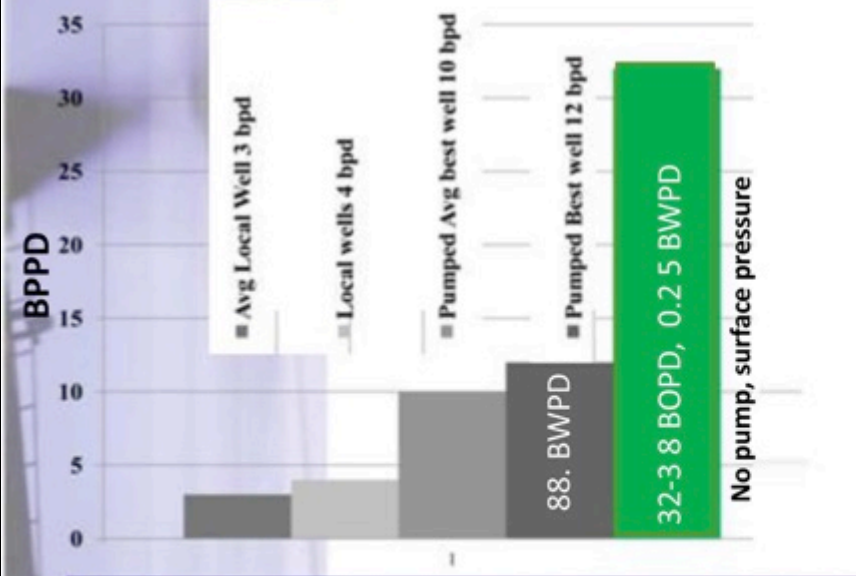


EcoSlice™

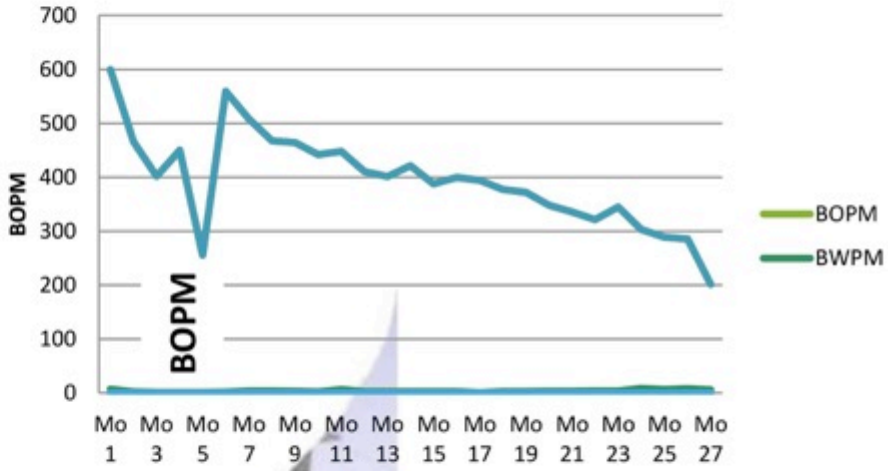
IMPROVES OIL/GAS FORMATION ACCESS FOR ENHANCED RECOVERY

Saskatchewan , Canada

Eco-Slice™ Results



11-05-15-31W1



A 900% increase in bpd over normal wells and 400% over the 'best' local wells! All while being a 'Green' Technology!!

EcoSlice™

IMPROVES OIL/GAS FORMATION ACCESS FOR ENHANCED RECOVERY

EcoTech *EOR Eco-Slice*™ After/With a Hydraulic Fracture - Results ALWAYS improve dramatically - 300%+

Perforation then Hydraulic Fracturing vs. EOR SliceTM then Hydraulic Fracturing

Well Name & Interval Depth (m) ft	Operation	Frac Treatment Pressure (P)		Infectivity (Q)		Injection working Pressure (p)	
		atm	psi (apprx)	m^3/d	Bopd (appx)	atm	psi (approx)
Unvin Well No. 317, Interval 2082-2097, (6381'-7136')	Perforation & HydroFracture	650	9500	0	0	650	9500
	Eco-Slice™	-	-	40	252	175	2572
	Fracture	420	6172	215	1352	180	2645
	% Improvement	-	-	**infinite**	infinite	72%	72%
Unvin Well No. 273, Interval 2138-2153, (7014'-7063')	Perforation & HydroFracture	600	8800	30	189	165	2425
	Perforation & HydroFracture	550	8083	2	13	90	1323
	Eco-Slice™	-	-	60	377	200	2939
	HydroFracture	400	5878	105	660	160	235
	% Improvement	-	-	**5150%**	4997%	78%	78%
Unvin Well No. 326, Interval 2220-2232, (7283'-7323')	Perforation & HydroFracture	600	8800	0	0	600	8800
	Perforation & HydroFracture	550	8083	10	63	155	2278
	Eco-Slice™	-	-	70	440	200	2939
	HydroFracture	350	5144	112	704	190	2792
	% Improvement	-	-	**1020%**	1017%	23%	23%
Unvin Well No. 106, Interval 2259-2268, (7411'-7441')	Perforation & HydroFracture	600	8800	0	0	600	8800
	Perforation & HydroFracture	500	8083	0	0	500	7348
	Eco-Slice™			305	1918	420	6172
	Fracture	400	5878	480	3019	200	2939
	% Improvement	-	-	**infinite**	infinite	60%	60%
Yurchouk Well No. 215, Interval 2152-2162, (7060'-7093')	Perforation & HydroFracture	600	8800	0	0	600	8800
	Eco-Slice™			39	245	164	2410
	HydroFracture	300	4409	261	1642	205	13
	% Improvement	-	-	**569%**	570%	25%	25%
Yurchouk Well No. 21, Interval 2098-2106, (6909'-6883')	Perforation & HydroFracture	600	8800	17	107	650	9500
	Eco-Slice™	-	-	21	132	198	2910
	HydroFracture	400	5878	119	748	195	2866
	% Improvement	-	-	**467%**	467%	0%	0%
Average *Eco-Slice*™ Improvement over Perforation =				**500%+**			

(5 wells ignoring Infinite improvement)

Return on investment < 90 days on average

EcoSlice™

IMPROVES OIL/GAS FORMATION ACCESS FOR ENHANCED RECOVERY

EcoTech Slice NORTH AMERICAN WELLS

					Pre-*Eco-Slice*™				Post *Eco-Slice* ™					
					Initial	Final			Initial	Current				
Well Name	Location	API No.	Type	Tool	Rate	Rate	Cumm	# Mths.	Rate	Rate	Cum.	# Mths.	% Increase	Notes
State Louad C 1-19	Michigan	21-119-49096-0000	Oil (3)	``	0	0	0	0	20 (7)	0	0	N/A	Infinite	State Louad C 1-19 - 1995-1996
State Louad C 1-20	Michigan	21-119-49440-0000	Oil (3)	Gen 1	0	0	0	0	20 (7)	0	0	N/A	Infinite	State Louad C 1-20 - 1995-1996
Talisman TR-8194	Ontario	N/A	Oil	Gen 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	n/a	Talisman TR-8194 (2003)
Hanna 1	California	04-095-20481-0000	Gas	Gen 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	n/a	Hanna 1 (2000)
Kinnert 1	Kansas	15-095-10063-0001	Gas	Gen 1	100 (9)	0	275,157 (9)	276 (9)	85 (9)	10 (9)	108,000 (9)	120 (9)	Infinite	Kinnert 1 (March 2003)
Moran 1	Kansas	15-165-20227-0000	Oil	Gen 1	167 (9)	0	62,620 (9)	360 (9)	15 (9)	4 (9)	23,000 (9)	120 (9)	Infinite	Moran 1 (March 2003)
Church 11	California	04-095-20708-0000	Gas	Gen 1	35 (8)	10	0 (8)	37 (8)	450 (8)	0 (10)	0	0	370%	Church 11 (August 2003)
North Willow Springs 1-2, 2-2 (2 Wells)	California	04-095-20897 / 20932	Gas	Gen 1	333 (8)	0	41,527 (8)	10 (8)	300 (8)	0 (10)	23,697 (9)	8 (9)	Infinite	North Willow Springs 1-2, 2-2 (2 Wells)(August and September 2003)
Crowe 2	New York	31-013-22416-0000	Gas	Gen 1	57 (9)	0	81,839 (9)	111	45 (12)	3.5 (12)	22000	72	Infinite	Crowe 2 (June - August 2004)
Zola 1	New York	31-029-18309-0000	Gas	Gen 1	12 (9)	0	29,183 (9)	194	17 (12)	3 (12)	28727	72	Infinite	Zola 1(June - August 2004)
DLFC 3	New York	31-037-17497-0000	Gas	Gen 1	17	3	159600	220	35	10 (12)	48143	72	333%	DLFC 3(June - August 2004)
Kaluza 1	New York	31-013-22497-0000	Gas	Gen 1	13	0	6744	36	20	0	2135	12	Infinite	Kaluza 1(June - Augest 2004)
Andreotti 1 / Grizzlies 1	California	04-011-20373-0000	Gas	Gen 2	0 (13)	0 (13)	0 (13)	N/A	650 (13)	110 (13)	176,165 (13)	34 (13)	Infinite	
Mosa 6-13-III	Ontario	LDS 6-13-III	Oil	Gen 2	0	0	0	1	20	0	20	300	Infinite	
Brown 1-12 / 2-12 (2 wells)	Montana	25-111-21192-0000	Oil	Gen 3-2	60	0	17000	36	200	0	8000	24	Infinite	
Brown 1-12 / 2-12 (2 wells)	Montana	25-111-21174-0000	Oil	Gen 3-2									n/a	
Ophelia 1	California	04-011-20148-0000	Gas	Gen 3-2	0 (13)	0 (13)	0 (13)	N/A	1400 (13)	0 (13), (18)	40,000 (13)	9 (13)	Infinite	
Curry 1	New York	31-013-21221-0000	Gas	Gen 3-2	15 (19)	1 (19)	20,134 (19)	240 (19)	130 (19)	17 (19)	3,1000 (19)	48 (19)	Infinite	
Beachy 2, 4, 5, 6, 7 (5 wells)	Nebraska	26-147-21176, 21199, 21200, 21201, 21202	Oil	Gen-3-3	485 (21)	0	21,000 (21)	2	4000 (21)	2600 (21)	1,240,000 (21)	8	Infinite	
Alberta, CA (14) Five Hills (2)	Alberta, Saskatchewan		Oil						32	24			11	PRIVATE DATA NOT AVAIABLE

All Surface Equipment Costs average $8 – 12/LF of Well Depth to Formation

EcoTech EOR Eco-Slice™

SURFACE EQUIPMENT PROVIDED BY OPERATOR

Wellhead Workover Rig or Crane Unit

Sand Mixing Set (Blender)

Tank

EcoTech EOR Eco-Slice™

SURFACE EQUIPMENT PROVIDED BY OPERATOR

Water Truck
(150 – 300 gal.
Used (typ).

Pump Set
(5000 psi, 7-10 bpm)

Shaker

BOP

Half Round Tank

EcoSlice™

IMPROVES OIL/GAS FORMATION ACCESS FOR ENHANCED RECOVERY

Benefits of *EcoSlice™* versus Traditional Perforation

- Creates Vertical Permeability that does not exist naturally across entire production zone (be it 1' or 1000'+ or any zone size in between)
- Increases Permeability by up to 15X within up to 40' diameter around wellbore
- Increases Porosity up to 5X within up to 40' diameter around wellbore
- Only technology that excavates rock from the formation
- Is an alternative to small hydraulic fractures with much flatter decline curves
- Can be used with traditional hydraulic fracturing as an enhancement
- Can be used in vertical or horizontal wells
- Fast, efficient process – generally 1 – 3 day workover
- Permanent, one-time process – 12 years of positive results
- Cuts with a single head about 30 – 50' day
- Cuts with multiple heads about 1000' in 7 days
- Environmentally friendly, low water usage (50 bbls – 300 bbls) 90% recycled

EcoSlice™

IMPROVES OIL/GAS FORMATION ACCESS FOR ENHANCED RECOVERY

TerraSeal™

Superior Oil/Gas Well – Plugging and Abandonment

(Only technology in the world that Cuts through more than 1 casing - up to 5 concentric casings)

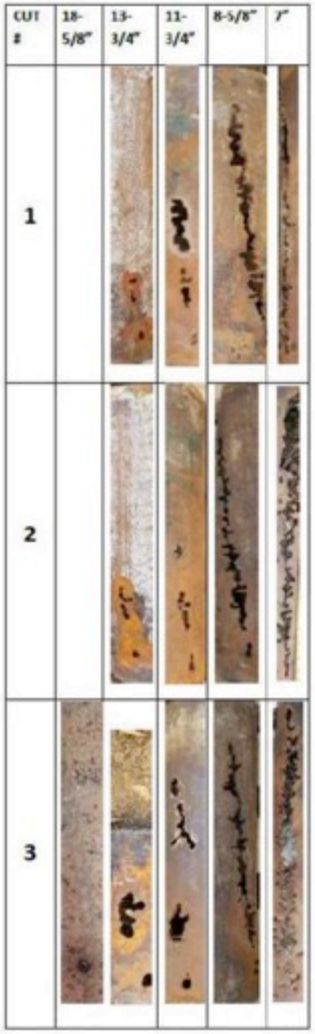
Well Plugging and Abandonment (P&A) TerraSeal™

TESTED AND PROVEN – CHOSEN BY PETRONAS

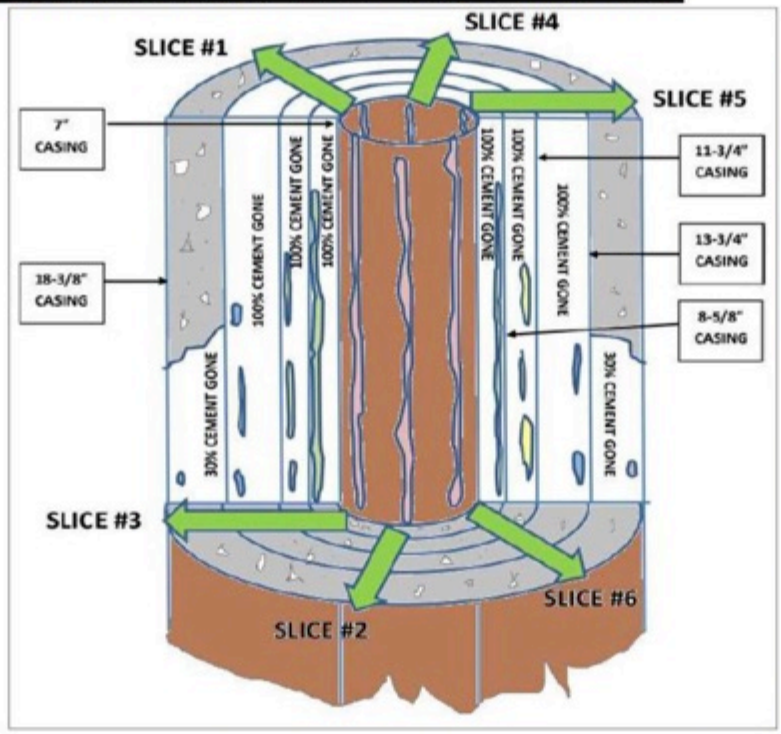
(Petroliam Nasional Berhad)

IMPROVES OIL/GAS FORMATION ACCESS FOR ENHANCED RECOVERY

EcoSlice™



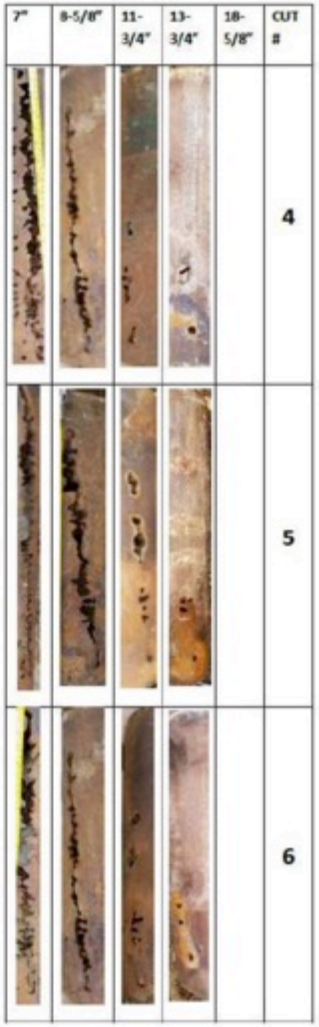
EcoTech's TERRA SEAL™ AWCA METHOD



EcoTech's Terra Seal starts at the top and cuts the longest slices in the innermost casing. Then, the hydro slices begin to cut downwards. It begins to cut the second casing as well as the first. Then, a little lower, it cuts the third casing as well as the first two. As the tool progresses downwards, the tool will continue cutting outwards according to the Application Engineer's (operator's) instructions.

As the tool is cutting downwards, it is also simultaneously evacuating all traces of cement. Large gaping slices in each casing permit the void to be filled with new, competent cement.

This test proved Terra Seal can destroy five casings and four cemented annuli.



Well Plugging and Abandonment (P&A)

IMPROVES OIL/GAS FORMATION ACCESS FOR ENHANCED RECOVERY

Objective – cut through five (5) consecutive cemented casing Largest 18" diameter, smallest 7" diameter – success

- destroy casing to greatest extent possible while washing out cement

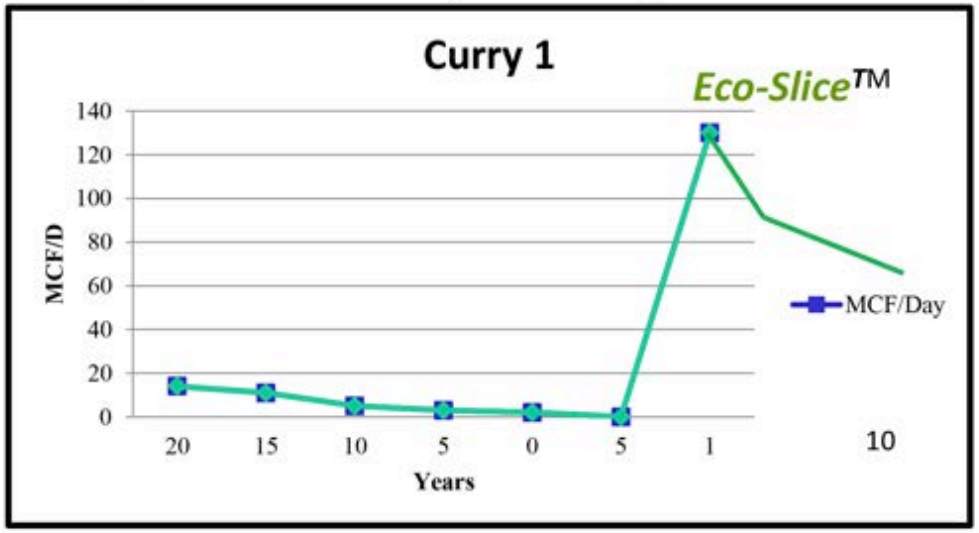
EcoTech EOR EcoSlice™

ENHANCED OIL RECOVERY VIA IMPROVED FORMATION ACCESS

Curry 1 – Medina Formation – New York

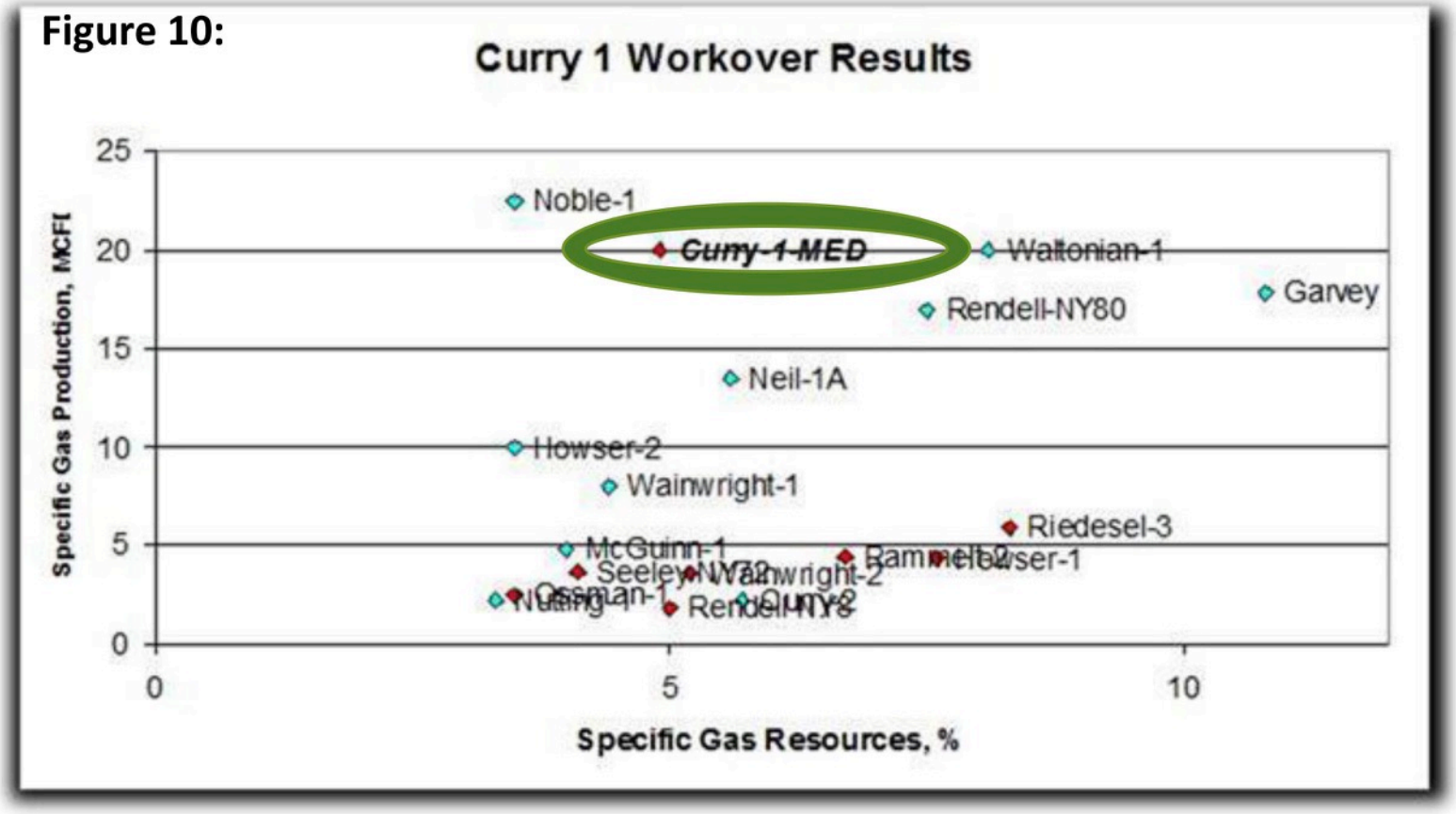
Initial Production After EcoTech *EOR Eco-Slice*™
130 mcf/d compared to 2 mcf/d for 15 years and 0 mcf/d in 2008

Total Gas Production
20,150 mcf (1989 to 2018)
Daily Production today = ~70 mcf/d



Successful Creation of Vertical Permeability

Figure 10:



Vertical Permeability & Decline Curves

1. It is well-known that vertical permeability cannot be created in heterogeneous formations, but several completion technologies are incorrectly applied on the premise that single shot treatments are able to open vertical permeability channels of homogeneous zones. In our scientific studies, we have found this premise to be false, and in a public DOE-report, we have disproven the theory in its entirety.

2. We wrote a ground-breaking private report dated 3-3-08, named Report on Chautauqua Energy Wells in Lakeshore Field, New York, in which we studied the Medina and Whirlpool formations, which operators treat with standard application of perforations and fracturing. We found, based on a plethora of empirical results from applications over the last 40 years, that standard treatment has a remarkably non-correlative effect. Figure 5 of this report (shown on following slide) shows specifically that the number of shots fails to produce consistent results in formations of equal gas production characteristics. This research shows that standard perforation and fracturing must fail to communicate with in situ gas that exists between the shots, even after fracturing, which as a result is left behind. **(Otherwise, the gas production in wells with formations containing equal gas characteristics should also be equal.)**

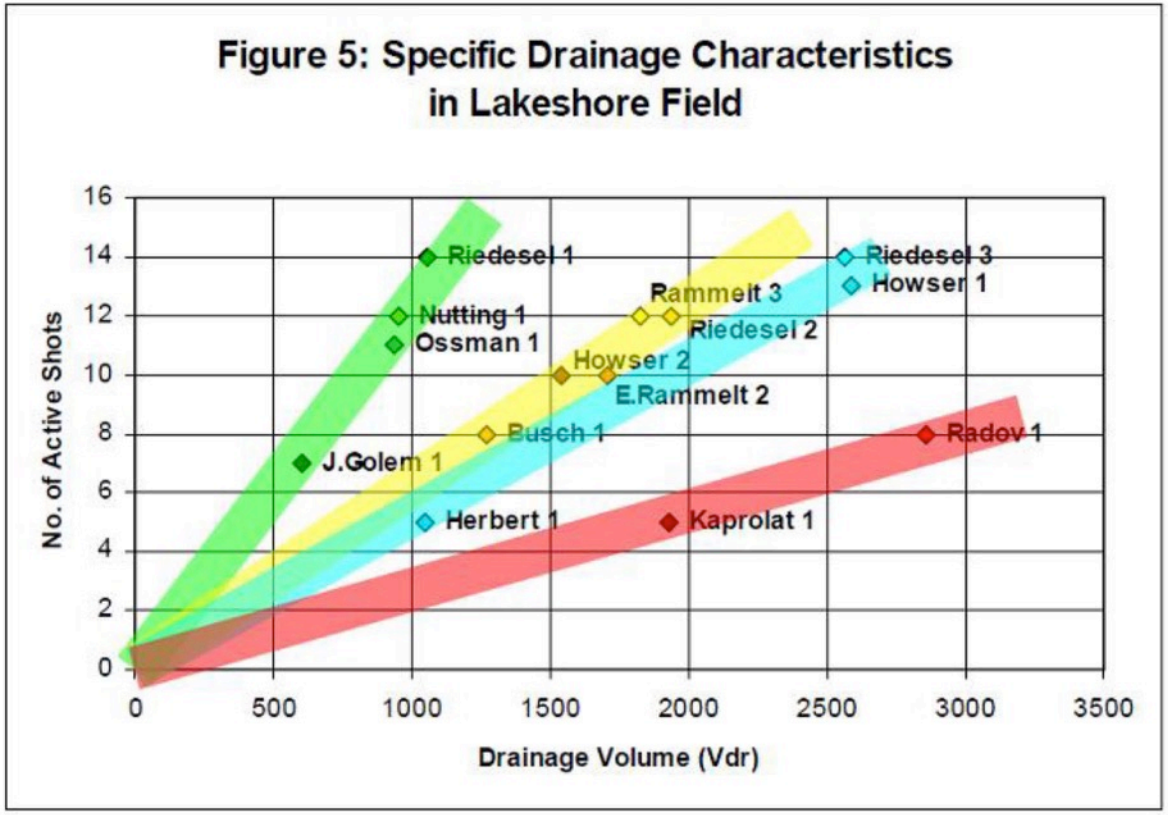
Vertical Permeability & Decline Curves (Cont'd)

3. We demonstrated our ground-breaking technology in the DOE Project, Demonstration of Directing Slotting Fracturing Technology. In Figure 10 of the report (see following slides), and commentary, we showed that vertical processing of a homogeneous formation with ***EcoTech EOER Eco-Slice***™ results in measurably greater quantities of gas production for the reasons discussed therein. In addition, we showed that ***Eco-Slice™*** increased drainage radius and gas volume exponentially over standard completion methods.

4. At the same time, we disproved the widely followed theory described above in Number 1. The PowerPoint presentations of Cobramax™ and AbrasiFrac™, which are based on the premise, indicate that single shot water-jetting perforations are able to treat homogeneous formations above and below the perforation level (i.e. create vertical permeability). The results shown in support of these technologies is inconsistent with the results of our scientific studies in NY. ***EcoTech EOR Eco-Slice™*** which has been demonstrated to be the **only** method that actually creates vertical permeability that does not exist in nature, vertical permeability creates faster/fuller recovery.

Active Perforation Shots versus Drainage Volume

Colors just show that the same geology, at the same depth but has totally different geological characteristics therefore a consistent perforation pattern is not valid.



Kinnert 1– Gas Zone Rejuvenation

Background

Name: Kinnert 1. Drilled in 1976; dead in 2000

API #15-095-10063-0001 S14-T30S-R7W Kansas

Problem Statement

Operator researched how to boost output, but could not find an economical well stimulation method

Solution

Gen-1 tool to stimulate depleted gas zone in March 2003

Implementation Time

1 Day, excluding planning

Kinnert 1 – Gas Zone Rejuvenation

Initial Production after *EcoTech Eco-Slice™*

81 mcf/d compared to 101 mcf/d in 1976

Payout

5.1 months (100% working interest)

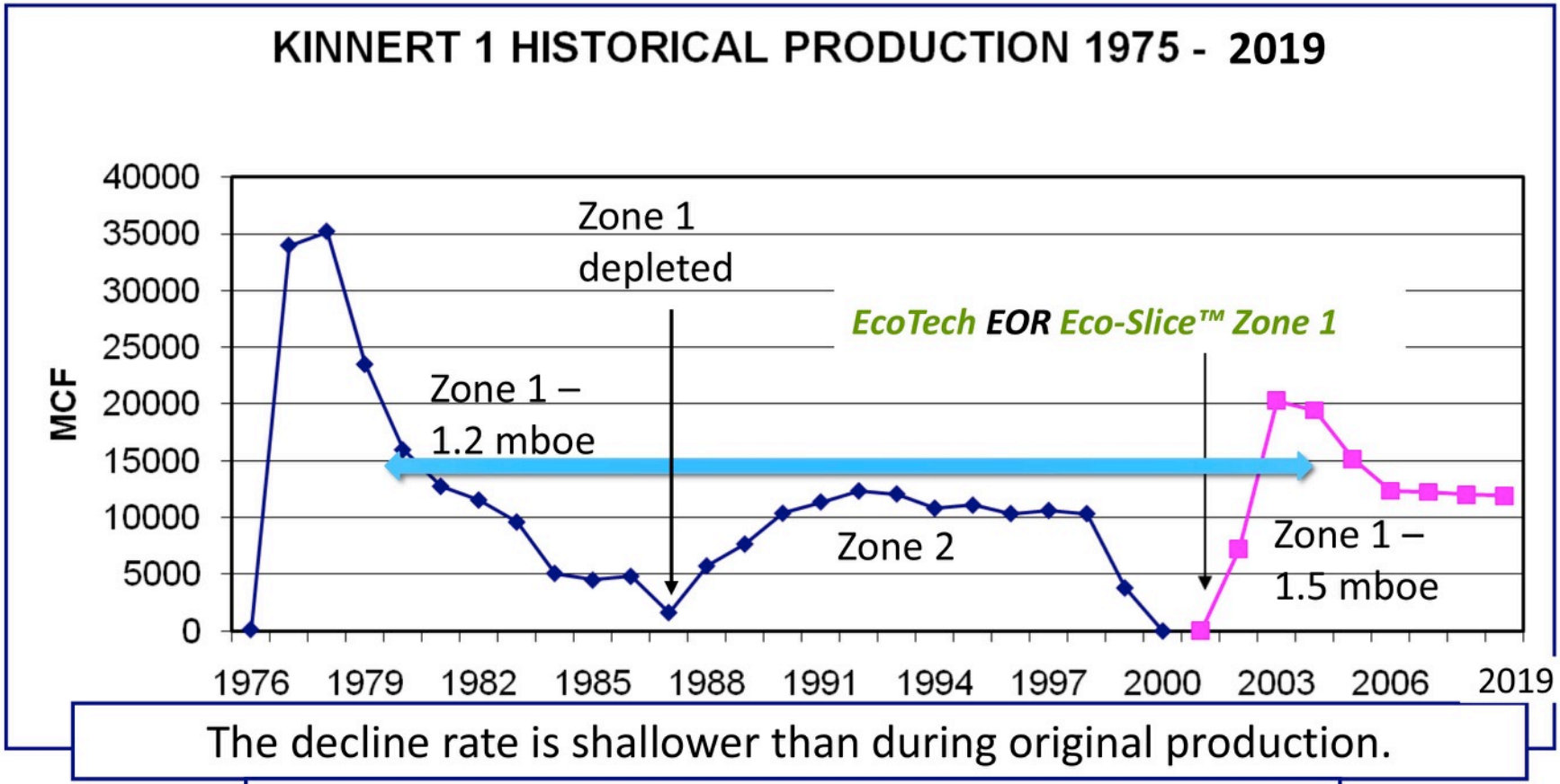
10,500 mcf @ $3.85 (inc. royalties & expenses)

Total Gas Production

98,623 mcf (March 2003 to June 2008 – still producing June 2014)

Daily Production today = 31 mcf/d

Kinnert 1 - Historical Production



The decline rate is shallower than during original production.

Approximately 50% decline over 17 years (2018).

EcoTech EOR Eco-Slice™

ENHANCED OIL RECOVERY VIA IMPROVED FORMATION ACCESS

Production Plot & Decline Curve Analysis **Kinnert 1 - Historical Production**

Approximately 50% decline over 15 years (2014) – 0.4907% annual decline

Moran 1– Oil Zone Rejuvenation

Background

Name: Moran 1. Drilled in 1969; dead in 2000

API #15-165-20227 S30-T19S-R20W Kansas

Problem Statement

Operator researched how to boost output, but could not find an economical well stimulation method

Solution

Gen-1 tool to stimulate depleted oil zone in April 2003

Implementation Time

1 Day, excluding planning

Moran 1– Oil Zone Rejuvenation

Initial Production After *EcoTech EOR Eco-Slice™*

Pre production 0 bopd – Post workover 8 bopd

Payout

7.1 months (100% working interest)

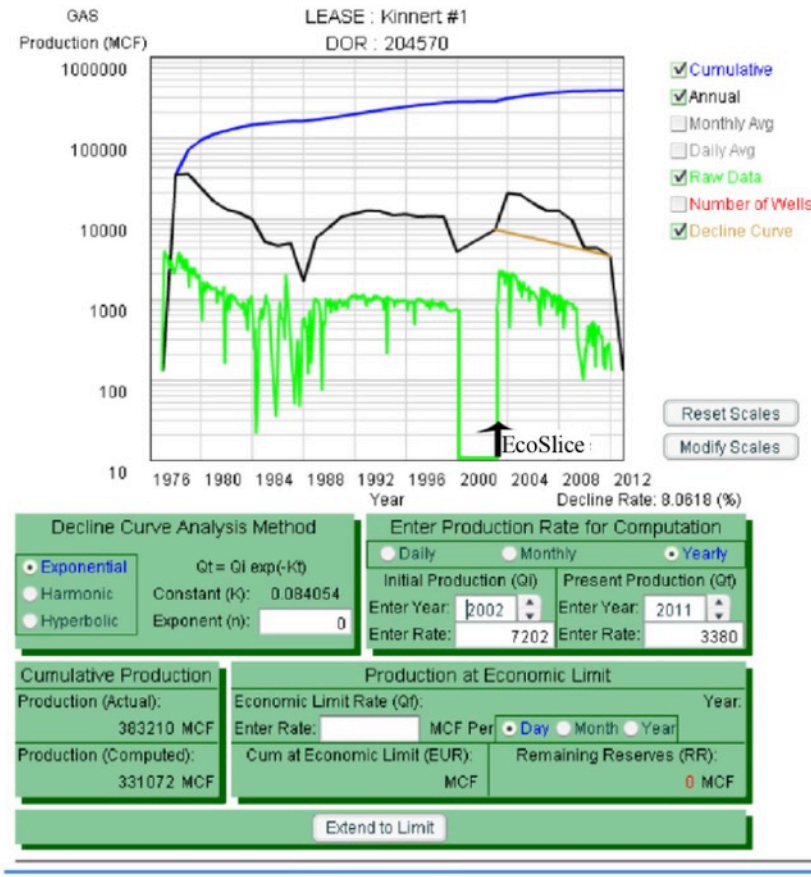
1,200 bbls @ $43.57 (inc. royalties & expenses)

Total Oil Production

7,392 bbls (March 2003 to June 2014)

Daily Production today = 8 bopd

Moran 1– Oil Zone Rejuvenation



Approximately 70% decline over 9 years (2012) – 8.0618% annual decline

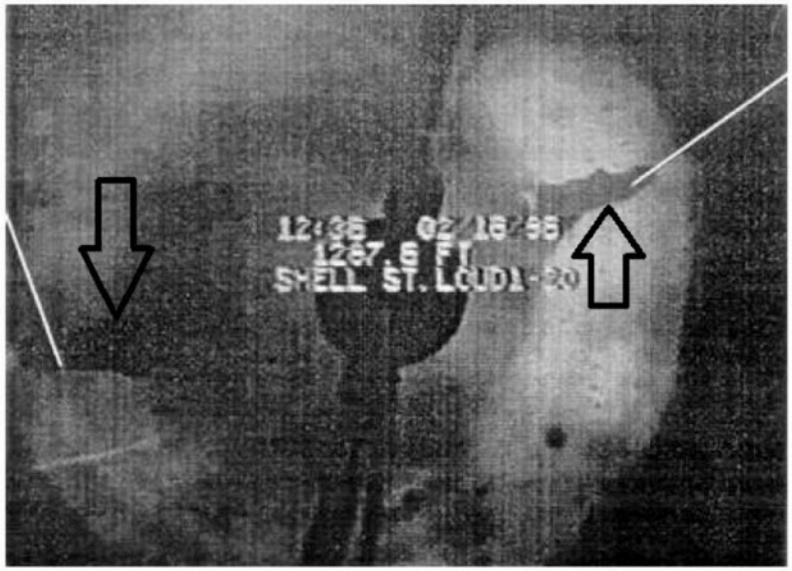
EcoSlice™

IMPROVES OIL/GAS FORMATION ACCESS FOR ENHANCED RECOVERY

40+ US WELLS – 13 FORMATION TYPES

Technology Field Trial
Albert Load, Michigan, February 18
Well C1-20, Depth 1287-1288
Video Log of Slot Inside Wellbore after AHJ

Gen 1 Tool



EOR Slice™ Tool Enhancements

Gen 1 – 20 min. durability
Gen 2 – 2 hr. durability
Gen 3 – 24 hrs. 30 micron deterioration in cutting head (Schlumberger workover)

Gen 2Tool

Gen 3 Tool

EcoSlice™

IMPROVES OIL/GAS FORMATION ACCESS FOR ENHANCED RECOVERY

Return on investment < 90 days on average

EcoTech Slice NORTH AMERICAN WELLS

					Pre-*Eco-Slice*™				Post *Eco-Slice* ™					
					Initial	Final			Initial	Current				
Well Name	Location	API No.	Type	Tool	Rate	Rate	Cumm	# Mths.	Rate	Rate	Cum.	# Mths.	% Increase	Notes
State Louad C 1-19	Michigan	21-119-49096-0000	Oil (3)	``	0	0	0	0	20 (7)	0	0	N/A	Infinite	State Louad C 1-19 - 1995-1996
State Louad C 1-20	Michigan	21-119-49440-0000	Oil (3)	Gen 1	0	0	0	0	20 (7)	0	0	N/A	Infinite	State Louad C 1-20 - 1995-1996
Talisman TR-8194	Ontario	N/A	Oil	Gen 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	n/a	Talisman TR-8194 (2003)
Hanna 1	California	04-095-20481-0000	Gas	Gen 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	n/a	Hanna 1 (2000)
Kinnert 1	Kansas	15-095-10063-0001	Gas	Gen 1	100 (9)	0	275,157 (9)	276 (9)	85 (9)	10 (9)	108,000 (9)	120 (9)	Infinite	Kinnert 1 (March 2003)
Moran 1	Kansas	15-165-20227-0000	Oil	Gen 1	167 (9)	0	62,620 (9)	360 (9)	15 (9)	4 (9)	23,000 (9)	120 (9)	Infinite	Moran 1 (March 2003)
Church 11	California	04-095-20708-0000	Gas	Gen 1	35 (8)	10	0 (8)	37 (8)	450 (8)	0 (10)	0	0	370%	Church 11 (August 2003)
North Willow Springs 1-2, 2-2 (2 Wells)	California	04-095-20897 / 20932	Gas	Gen 1	333 (8)	0	41,527 (8)	10 (8)	300 (8)	0 (10)	23,697 (9)	8 (9)	Infinite	North Willow Springs 1-2, 2-2 (2 Wells)(August and September 2003)
Crowe 2	New York	31-013-22416-0000	Gas	Gen 1	57 (9)	0	81,839 (9)	111	45 (12)	3.5 (12)	22000	72	Infinite	Crowe 2 (June - August 2004)
Zola 1	New York	31-029-18309-0000	Gas	Gen 1	12 (9)	0	29,183 (9)	194	17 (12)	3 (12)	28727	72	Infinite	Zola 1(June - August 2004)
DLFC 3	New York	31-037-17497-0000	Gas	Gen 1	17	3	159600	220	35	10 (12)	48143	72	333%	DLFC 3(June - August 2004)
Kaluza 1	New York	31-013-22497-0000	Gas	Gen 1	13	0	6744	36	20	0	2135	12	Infinite	Kaluza 1(June - August 2004)
Andreotti 1 / Grizzlies 1	California	04-011-20373-0000	Gas	Gen 2	0 (13)	0 (13)	0 (13)	N/A	650 (13)	110 (13)	176,165 (13)	34 (13)	Infinite	
Mosa 6-13-III	Ontario	LDS 6-13-III	Oil	Gen 2	0	0	0	1	20	0	20	300	Infinite	
Brown 1-12 / 2-12 (2 wells)	Montana	25-111-21192-0000	Oil	Gen 3-2	60	0	17000	36	200	0	8000	24	Infinite	
Brown 1-12 / 2-12 (2 wells)	Montana	25-111-21174-0000	Oil	Gen 3-2									n/a	
Ophelia 1	California	04-011-20148-0000	Gas	Gen 3-2	0 (13)	0 (13)	0 (13)	N/A	1400 (13)	0 (13). (18)	40,000 (13)	9 (13)	Infinite	
Curry 1	New York	31-013-21221-0000	Gas	Gen 3-2	15 (19)	1 (19)	20,134 (19)	240 (19)	130 (19)	17 (19)	3,1000 (19)	48 (19)	Infinite	
Beachy 2, 4, 5, 6, 7 (5 wells)	Nebraska	26-147-21176, 21199, 21200, 21201, 21202	Oil	Gen-3-3	485 (21)	0	21,000 (21)	2	4000 (21)	2600 (21)	1,240,000 (21)	8	Infinite	
Alberta, CA (14) Five Hills (2)	Alberta, Saskatchewan		Oil						32	24			11	PRIVATE DATA NOT AVAIABLE

EcoSlice™

IMPROVES OIL/GAS FORMATION ACCESS FOR ENHANCED RECOVERY

Eco-Slice™ International Well Results (Gas, Injection, Oil)

District Well Rock	Rock Type	Formation Depth (m)	Interval Height	Porosity (%)	Permeability (Darcy)	Spud Date	Performance Before EOR Slice (m3/day)	Performance Before EOR Slice (BOPD)	Performance After EOR Slice	Performance After EOR Slice (BOPD)	% Improvement
Volga 12	Sandstone	4894-4900	6.0	11	0.002	11.78	2000 m3 (gas)		6,000 m3 (gas)		**300%**
Volga 15	Sandstone	4613-4524	5.0	11	0.002	7.78	1500 m3 (gas)		7,000 m3 (gas)		**467%**
Volga 3917	Sandstone	1420.5-1432.5	8.1	21	0.44	7.84	injection 10.0 m3		Injection 180.0 m3		**1800%**
Volga 3919	Sandstone	1396-1408	6.0	21	0.44	6.84	injection 30.0 m		Injection 60.0 m3		**200%**
Volga 3922	Sandstone	1470-1486	7.6	21	0.44	9.84	injection 60.0 m3		injection 120.0 m3		**200%**
Volga 3923	Sandstone	1462-1479	4.2	21	0.44	1.85	injection 30.0 m3		injection 79.0 m3		**263%**
Volga 3925	Sandstone	1376-1390	13.0	21	0.44	9.84	injection 80.0 m3		Injection 180.0 m3		**225%**
Volga 4007	Sandstone	1396-1410	9.0	21	0.44	11.83	2 m3/day oil	12.58	5.3 m3/day	33.337	**265%**
Siberia 1452	Sandstone	2362-2391	19.0	23	0.31	7.87	0.1 m3/day oil	0.6	20.0 m3/day	125.80	**20000%**
Siberia 2532	Sandstone	2322-2343	18.0	23	0.31	7.86	5.9 m3/day oil	37.111	21 m3/day	132.09	**356%**
Siberia 2887	Sandstone	2535-2560	14.5	20	0.4	5.87	6.8 m3/day oil	42.8	21 m3/day	132.09	**309%**
Siberia 2894	Sandstone	2612-2642	19.6	20	0.4	6.87	12 m3/day oil	75.48	60 m3/day	377.4	**500%**
China 9-508	Sandstone	2796.2	6.0			10.93	0 m3/day oil	0.0	38.2 m3/day	240.28	**Infinite**
China 8-5-8	Sandstone	3019.7-3026.3	6.8			10.93	4.5 m3/day oil	28.305	30 m3/day	188.7	**667%**
Yemen 5	Carbonate	1457-1468	4.1			9.96	0 m3/day oil	0.0	5.6 m3/day	35.22	**Infinite**
Yemen 11	Carbonate	1289-1303	7.9			5.89	0 m3/day oil	0	22.1 m3/day	139.009	**Infinite**

Average Improvement 13 wells = 1965%

EcoSlice™

IMPROVES OIL/GAS FORMATION ACCESS FOR ENHANCED RECOVERY

Eco-Slice™ International Well Results (Gas, Injection, Oil)

District Well Rock	Rock Type	Formation Depth (m)	Interval Height	Porosity (%)	Permeability (Darcy)	Spud Date	Performance Before EOR Slice (m3/day)	Performance Before EOR Slice (BOPD)	Performance After EOR Slice	Performance After EOR Slice (BOPD)	% Improvement
Volga 12	Sandstone	4894-4900	6.0	11	0.002	11.78	2000 m3 (gas)		6,000 m3 (gas)		**300%**
Volga 15	Sandstone	4613-4524	5.0	11	0.002	7.78	1500 m3 (gas)		7,000 m3 (gas)		**467%**
Volga 3917	Sandstone	1420.5-1432.5	8.1	21	0.44	7.84	injection 10.0 m3		Injection 180.0 m3		**1800%**
Volga 3919	Sandstone	1396-1408	6.0	21	0.44	6.84	injection 30.0 m		Injection 60.0 m3		**200%**
Volga 3922	Sandstone	1470-1486	7.6	21	0.44	9.84	injection 60.0 m3		injection 120.0 m3		**200%**
Volga 3923	Sandstone	1462-1479	4.2	21	0.44	1.85	injection 30.0 m3		injection 79.0 m3		**263%**
Volga 3925	Sandstone	1376-1390	13.0	21	0.44	9.84	injection 80.0 m3		Injection 180.0 m3		**225%**
Volga 4007	Sandstone	1396-1410	9.0	21	0.44	11.83	2 m3/day oil	12.58	5.3 m3/day	33.337	**265%**
Siberia 1452	Sandstone	2362-2391	19.0	23	0.31	7.87	0.1 m3/day oil	0.6	20.0 m3/day	125.80	**20000%**
Siberia 2532	Sandstone	2322-2343	18.0	23	0.31	7.86	5.9 m3/day oil	37.111	21 m3/day	132.09	**356%**
Siberia 2887	Sandstone	2535-2560	14.5	20	0.4	5.87	6.8 m3/day oil	42.8	21 m3/day	132.09	**309%**
Siberia 2894	Sandstone	2612-2642	19.6	20	0.4	6.87	12 m3/day oil	75.48	60 m3/day	377.4	**500%**
China 9-508	Sandstone	2796.2	6.0			10.93	0 m3/day oil	0.0	38.2 m3/day	240.28	**Infinite**
China 8-5-8	Sandstone	3019.7-3026.3	6.8			10.93	4.5 m3/day oil	28.305	30 m3/day	188.7	**667%**
Yemen 5	Carbonate	1457-1468	4.1			9.96	0 m3/day oil	0.0	5.6 m3/day	35.22	**Infinite**
Yemen 11	Carbonate	1289-1303	7.9			5.89	0 m3/day oil	0	22.1 m3/day	139.009	**Infinite**

Average Improvement 13 wells = 1965%

EcoSlice™

IMPROVES OIL/GAS FORMATION ACCESS FOR ENHANCED RECOVERY

Eco-Slice™ International Wells

Well Name	Type	Interval (m)	Effective Power (m)	Performance Before EOR SliceTM (m3/d)	Performance Before EOR SliceTM (BOPD)	Performance After EOR SliceTM (m3/d)	Performance After EOR SliceTM (BOPD)	Increase %
682	Exploratory	1240.5-1247	1	2.00	12.58	3.22	20.25	161%
424	Exploratory	1206.6-1209	1.6	0.00	0.00	1.43	8.99	143%
443	Exploratory	1378.4-1380.2	3.2	0.00	0.00	11.00	69.19	1100%
589	Exploratory	1890-1915	3.2	0.40	2.52	7.80	49.06	1950%
411	Exploratory	1224.8-1230.2	1.6	0.00	0.00	13.80	86.80	1380%
1080	Exploratory	1196.2-1199	2.2	0.00	0.00	2.20	13.84	220%
1089	Exploratory	1273.2-1274.4	1	0.00	0.00	1.83	11.51	183%
222	Exploratory	1195-1197.5	2.5	12.40	78.00	43.40	272.99	350%
615	Exploratory	1676-1697	10	0.60	3.77	2.77	17.42	462%
598	Exploratory	950-966	10	0.70	4.40	2.70	16.98	386%
605	Exploratory	1728-1738	10	4.70	29.56	5.70	35.85	121%
1741	Production	1142-1156	9.2	1.40	8.81	3.50	22.02	250%
2027	Production	1174-1190	11.4	2.00	12.58	3.50	22.02	175%
2042	Production	1150.4-1156.4	6	0.50	3.15	6.30	39.63	1260%
3822	Production	1468.2-1476.2	6.6	9.60	60.38	12.00	75.48	125%
593	Production	1226.2-1245.4	9.8	9.30	58.50	28.60	179.89	308%
588	Production	1298.8-1314	8.6	7.40	46.55	20.30	127.69	274%
943	Production	1318.4-1324.4	4.8	4.00	25.16	6.30	39.63	158%
261	Production	1275-1288.5	5.5	1.40	8.81	4.50	28.31	321%
495	Production	1238-1265.5	13.2	0.90	5.66	4.60	28.93	511%
958	Production	1258.8-1282	5.2	8.00	50.32	13.00	81.77	183%
985	Exploratory	952-957	2	7.10	44.66	11.80	74.22	166%
988	Exploratory	996.5-1003	6	0.24	1.51	1.10	6.92	458%
980	Exploratory	1035.5-1038.5	1.4	0.64	4.03	1.35	8.49	211%
878	Exploratory	1054-1056.5	1.4	0.00	0.00	2.80	17.61	280%
790	Exploratory	1302.5-1305.5	2.6	0.70	4.40	40.00	251.60	5714%
23	Exploratory	1540-1614	45	3.50	22.02	35.40	222.67	1011%
265	Exploratory	3704-3711	6	0.00	0.00	fountain & Gas		N/A
7	Exploratory	5249-5266	12	100.00	629.00	1,000.00	6,290.00	1000%
2942	Production	1494.6-1503.6	4.8	1.80	11.32	10.80	67.93	600%
2943	Production	1525.6-1542	8	1.90	11.95	3.10	19.50	163%
362	Production	1187.6-1204	9	7.90	49.69	13.50	84.92	171%
117	Production	2823-2824.6	1.5	0.50	3.15	3.00	18.87	600%
3	Production	872-1998	6	500.00	3,145.00	900.00	5,661.00	180%

Average International Well Increase = 623%