

Christina Lake Regional Project

2014/2015 Performance Presentation
Commercial Scheme Approval No. 10773

June 16
2015



Disclaimer

This presentation is not, and under no circumstances is to be construed to be a prospectus, offering memorandum, advertisement or public offering of any securities of MEG Energy Corp. ("MEG"). Neither the United States Securities and Exchange Commission (the "SEC") nor any other state securities regulator nor any securities regulatory authority in Canada or elsewhere has assessed the merits of MEG's securities or has reviewed or made any determination as to the truthfulness or completeness of the disclosure in this document. Any representation to the contrary is an offence.

Recipients of this presentation are not to construe the contents of this presentation as legal, tax or investment advice and recipients should consult their own advisors in this regard.

MEG has not registered (and has no current intention to register) its securities under the United States Securities Act of 1933, as amended (the "U.S. Securities Act"), or any state securities or "blue sky" laws and MEG is not registered under the United States Investment Act of 1940, as amended. The securities of MEG may not be offered or sold in the United States or to U.S. persons unless registered under the U.S. Securities Act and applicable state securities laws or an exemption from such registration is available. Without limiting the foregoing, please be advised that certain financial information relating to MEG contained in this presentation was prepared in accordance with Canadian generally accepted accounting principles, which differ from generally accepted accounting principles in the United States and elsewhere. Accordingly, financial information included in this document may not be comparable to financial information of United States issuers.

The information concerning petroleum reserves and resources appearing in this document was derived from a report of GLJ Petroleum Consultants Ltd. dated effective as of December 31, 2013, which has been prepared in accordance with the Canadian Securities Administrators National Instrument 51-101 entitled Standards of Disclosure for Oil and Gas Activities ("NI 51-101") at that time. The standards of NI 51-101 differ from the standards of the SEC. The SEC generally permits U.S. reporting oil and gas companies in their filings with the SEC, to disclose only proved, probable and possible reserves, net of royalties and interests of others. NI 51-101, meanwhile, permits disclosure of estimates of contingent resources and reserves on a gross basis. As a consequence, information included in this presentation concerning our reserves and resources may not be comparable to information made by public issuers subject to the reporting and disclosure requirements of the SEC.

There are significant differences in the criteria associated with the classification of reserves and contingent resources. Contingent resource estimates involve additional risk, specifically the risk of not achieving commerciality, not applicable to reserves estimates. There is no certainty that it will be commercially viable to produce any portion of the resources. The estimates of reserves, resources and future net revenue from individual properties may not reflect the same confidence level as estimates of reserves, resources and future net revenue for all properties, due to the effects of aggregation. Further information regarding the estimates and classification of MEG's reserves and resources is available by contacting MEG's investor relations department.

Anticipated netbacks are calculated by adding anticipated revenues and other income and subtracting anticipated royalties, operating costs and transportation costs from such amount.



Disclosure Advisories

Forward-Looking Information

Certain statements contained in this presentation constitute forward-looking statements. These statements relate to future events or MEG's future performance. All statements other than statements of historical fact are forward-looking statements. The use of any of the words "anticipate", "plan", "contemplate", "continue", "estimate", "expect", "intend", "propose", "might", "may", "will", "shall", "project", "should", "could", "would", "believe", "predict", "forecast", "pursue", "potential" and "capable" and similar expressions are intended to identify forward-looking statements. These statements involve known and unknown risks, uncertainties and other factors that may cause actual results or events to differ materially from those anticipated in such forward-looking statements. No assurance can be given that these expectations will prove to be correct and such forward-looking statements included in this presentation should not be unduly relied upon. These statements speak only as of the date of this presentation. In addition, this presentation may contain forward-looking statements and forward-looking information attributed to third party industry sources.

In particular, this presentation contains forward-looking statements pertaining to the following: the reserve and resource potential of MEG's assets; the bitumen production and production capacity of MEG's assets; MEG's growth strategy and opportunities; MEG's capital expenditure programs and future capital requirements; the estimated quantity of MEG's proved reserves, probable reserves and contingent resources; MEG's projections of commodity prices, costs and netbacks; MEG's estimates of future interest and foreign exchange rates; MEG's environmental considerations, including water usage and greenhouse gas emissions; MEG's blending capability for its bitumen diluent blend; the timing and size of certain of MEG's operations and phases, including its planned bitumen development projects, and the levels of anticipated production; supply and demand fundamentals for crude oil, bitumen blend, natural gas, condensate and other diluents; MEG's access to adequate pipeline capacity; MEG's access to third-party infrastructure; industry conditions including with respect to project development; potential future markets for MEG's products; the planned construction of MEG's facilities, including the Stonefell Terminal and the Access Pipeline expansion; MEG's drilling plans; MEG's plans for, and results of, exploration and development activities; the use of the proceeds of the public offering; the expected application timeframe for the Surmont Project and for the Growth Properties; the timing for receipt of various regulatory approvals, including receipt of various regulatory approvals for the Christina Lake Project, Surmont Project and Growth Properties; MEG's treatment under governmental regulatory and royalty regimes and tax laws; and MEG's future general and administrative expenses.

The forward-looking statements contained in this presentation are based on certain assumptions including: future crude oil, bitumen blend, natural gas, condensate and other diluent prices; MEG's ability to obtain qualified staff and equipment in a timely and cost-efficient manner; the regulatory framework governing royalties, taxes and environmental matters in the jurisdictions in which MEG conducts and will conduct its business; MEG's ability to market production of bitumen blend successfully to customers; MEG's future production levels; the applicability of technologies for the recovery and production of MEG's reserves and resources; the recoverability of MEG's reserves and resources; operating costs; future capital expenditures to be made by MEG; future sources of funding for MEG's capital programs; MEG's future debt levels; geological and engineering estimates in respect of MEG's reserves and resources; the geography of the areas in which MEG is conducting exploration and development activities; the impact of increasing competition on MEG; and MEG's ability to obtain financing on acceptable terms.

In addition, information and statements in this presentation relating to "reserves" and "resources" are deemed to be forward-looking information and statements, as they involve the implied assessment, based on certain estimates and assumptions, that the reserves and resources described exist in the quantities predicted or estimated, and that the reserves and resources described can be profitably produced in the future.

The forward-looking statements included in this presentation are expressly qualified by this cautionary statement and are made as of the date of this presentation. MEG does not undertake any obligation to publicly update or revise any forward-looking statements except as required by applicable securities laws. For more information regarding forward-looking statements, please see "Risk Factors" and "Regulatory Matters" within the AIF.



MEG Energy Corp.

Meeting agenda

- **Overview** Simon Geoghegan
- **Geosciences** Greg Helman
- **Reservoir** John Kelly
- **Operations** Bill Mazurek
- **Water** Scott Rayner
- **Compliance & Environment** Mike Robbins
- **Future Plans** Simon Geoghegan



MEG Energy Corp.

Who We Are

MEG Energy Corp. (MEG) is a public Calgary-based energy company focused on the development and recovery of bitumen and the generation of power in northeast Alberta.





MEG Energy Corp.

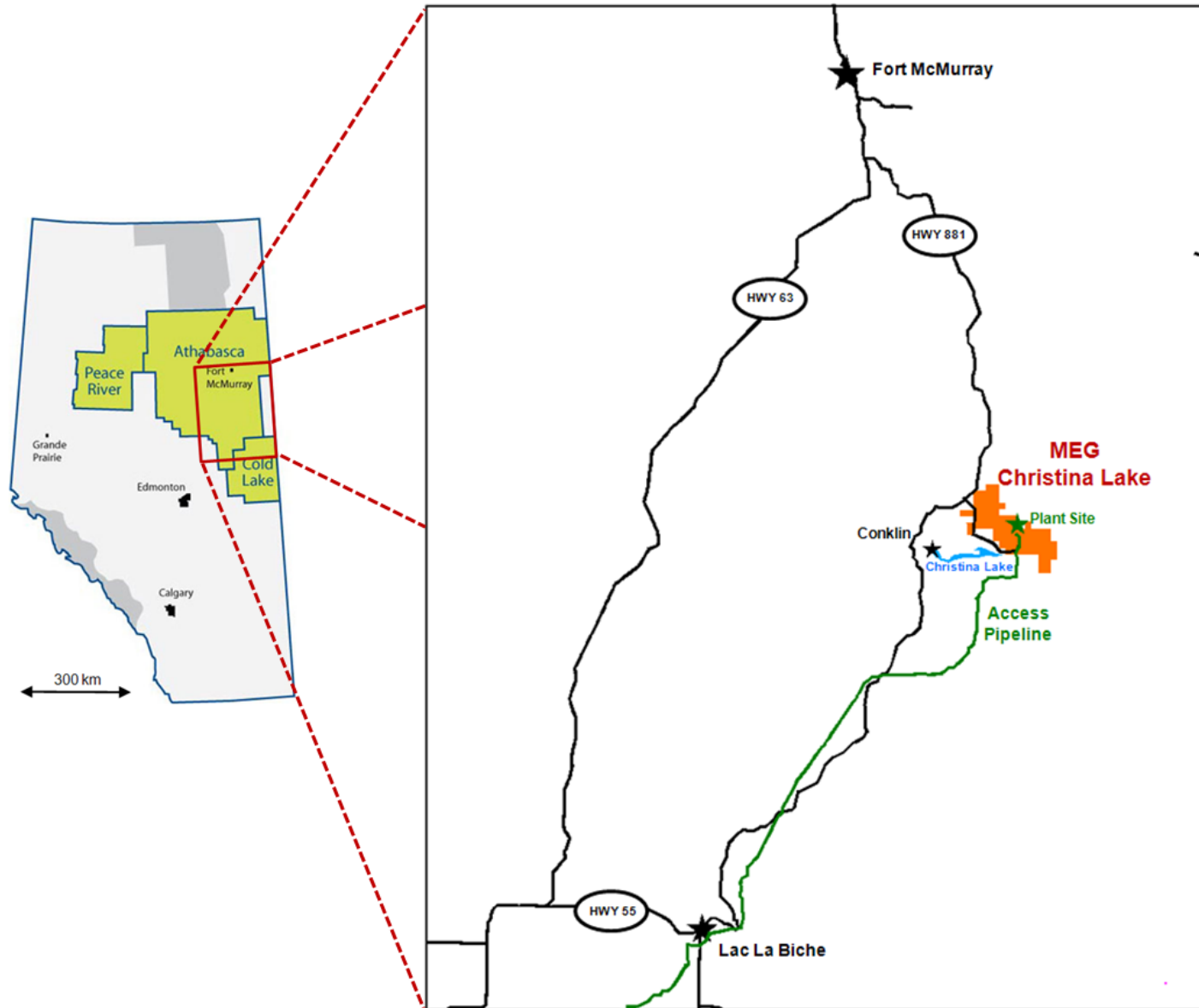
Who We Are

- Established in 1999
- Utilize steam-assisted gravity drainage (SAGD) technology to extract bitumen from the oil sands
- Operating Area– Christina Lake Project Phases 2 (includes Phase 1) and 2B
- 50%-ownership of the Access Pipeline





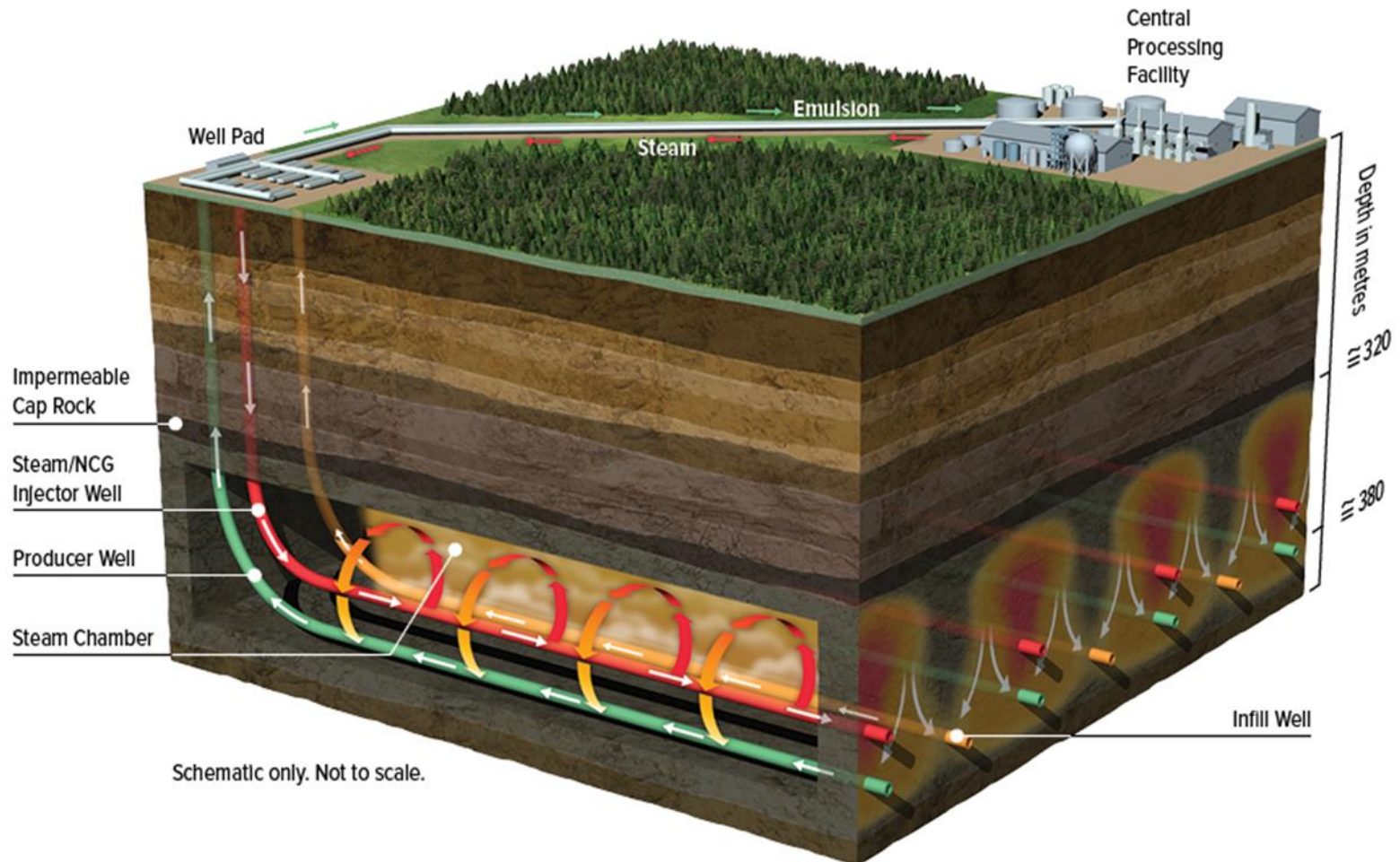
Christina Lake Regional Project (CLRP)





Steam-Assisted Gravity Drainage (SAGD)

An Efficient Technology





Christina Lake Regional Project

Project history

Phase 1

- Approved in February 2005 for bitumen production of 477 m³/d (3,000 bpd)
- Sustained steaming commenced March 2008

Phase 2

- Approved in March 2007 for total production of 3,975 m³/d or 25,000 bpd (incremental 3,523 m³/d or 22,000 bpd)
- First steam Q3 2009
- Phase 1/2 pads: A, B, C, D, E, F, V

Phase 2B

- Approved plant expansion to 9,540 m³/d or 60,000 bpd (incremental 5,540 m³/d or 35,000 bpd)
- First steam Q3 2013
- Phase 2B pads: M, N, J, K, G, H, T, U, AP, AF, AG, AN

Phase 3

- Approval granted January 2012, expansion to 33,390 m³/d or 210,000 bpd



Christina Lake Regional Project

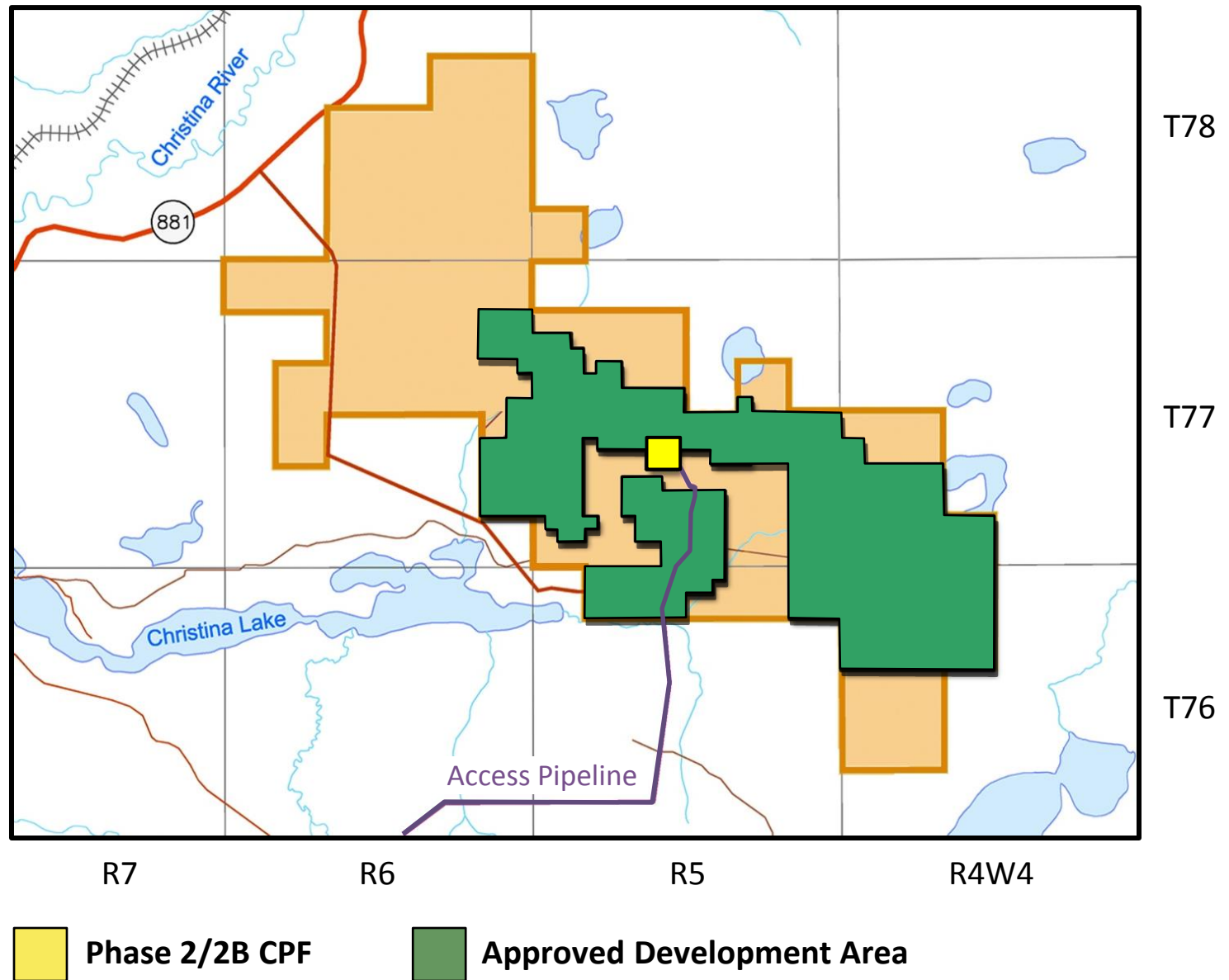
2014-2015 Operating Highlights

- 2014 bitumen production from both Phase 2 and 2B facilities averaged 71,186 bpd
- Q1 2015 bitumen production of 82,398 bpd and field wide SOR of 2.6
- Expanded implementation of eMSAGP



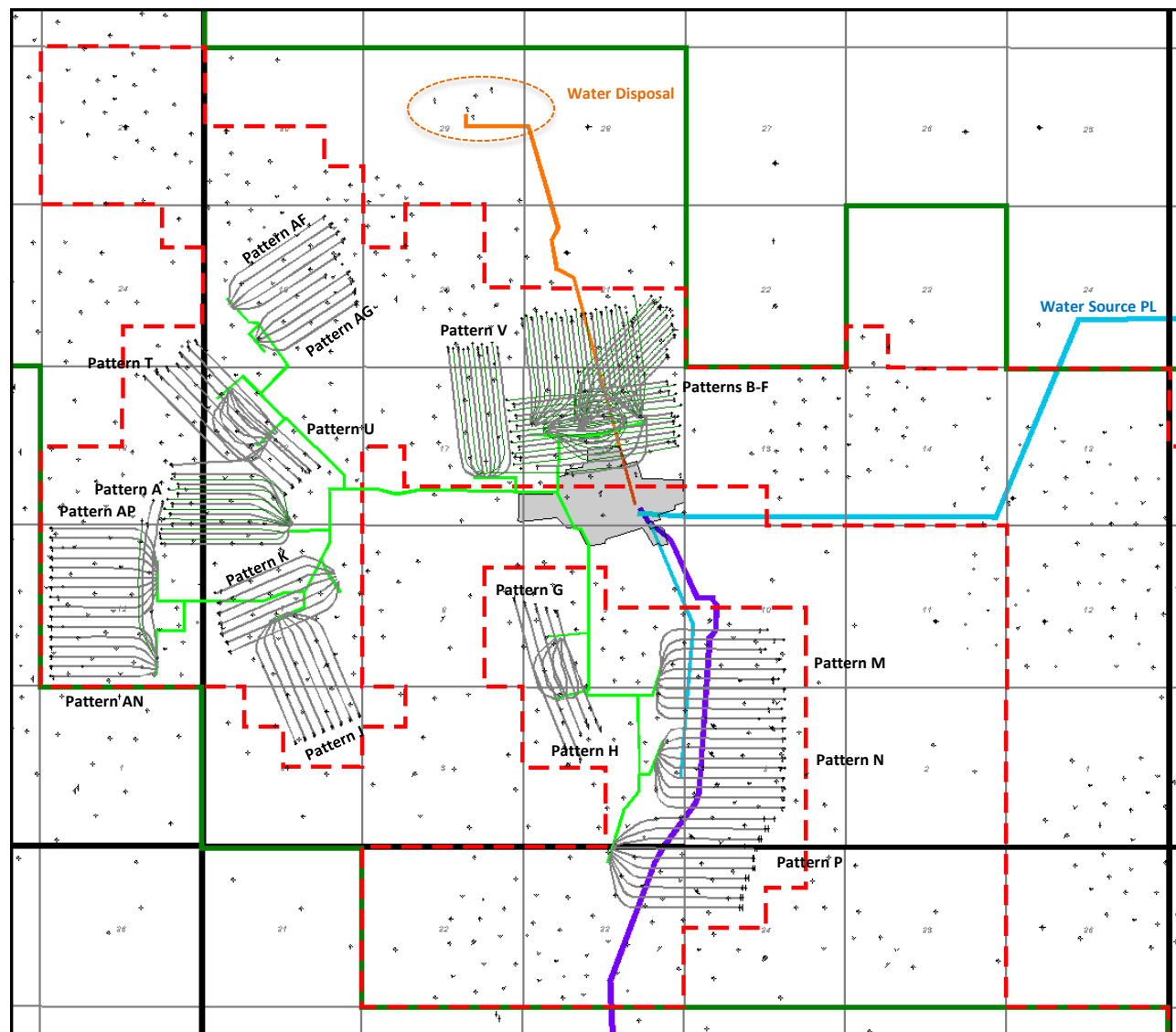


Christina Lake Regional Project (CLRP)





CLRP Active Development Area (ADA)



- MEG OSL
- Approved Development Area
- Central Plant
- Access Pipeline
- Emulsion Pipeline
- Disposal Pipeline
- Water source Pipeline

Drilled SAGD Wells

T77

Pattern	SAGD Wells	Infill Wells
A	8	7
B	2	3
BB	6	6
C	6	7
D	7	5
E	6	7
F	6	4
G	5	0
H	5	0
J	8	0
K	7	0
M	10	0
N	9	0
P	10	0
T	8	0
U	6	0
V	6	6
AF	5	0
AG	5	0
AN	8	1
AP	10	0
Total	143	46

T76

R6

R5W4



MEG ENERGY

Geosciences



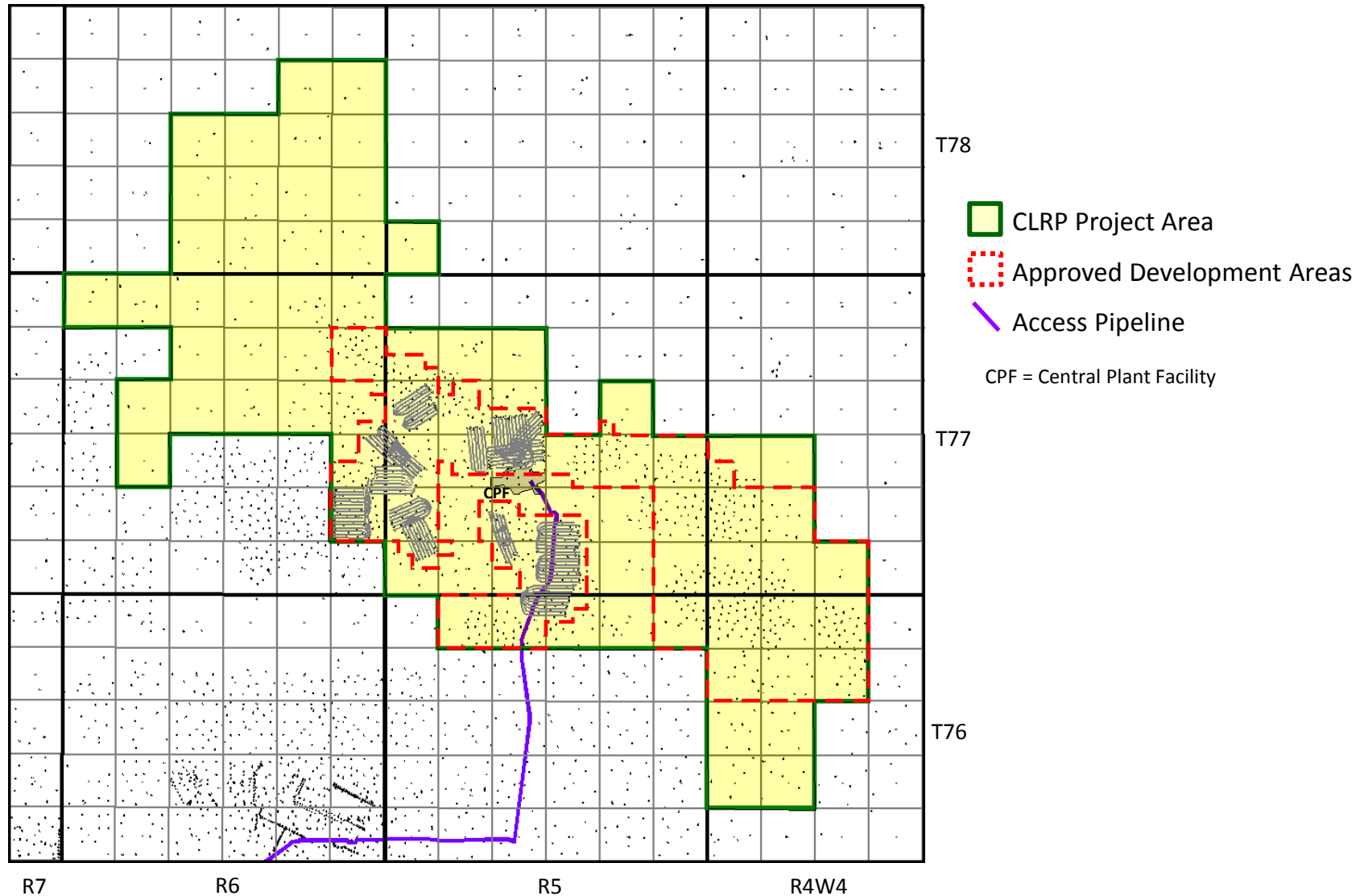


CLRP Geoscience Review

- Well and Seismic Data
- Stratigraphic Framework
- Reservoir and Pay Parameters
- Active Development Area Bitumen Pay
- SAGD Patterns
 - New SAGD Patterns for 2014
- McMurray Water Resources
- Cap Rock Geology
- Active Development Area Associated Gas Resources
- Legacy Wells

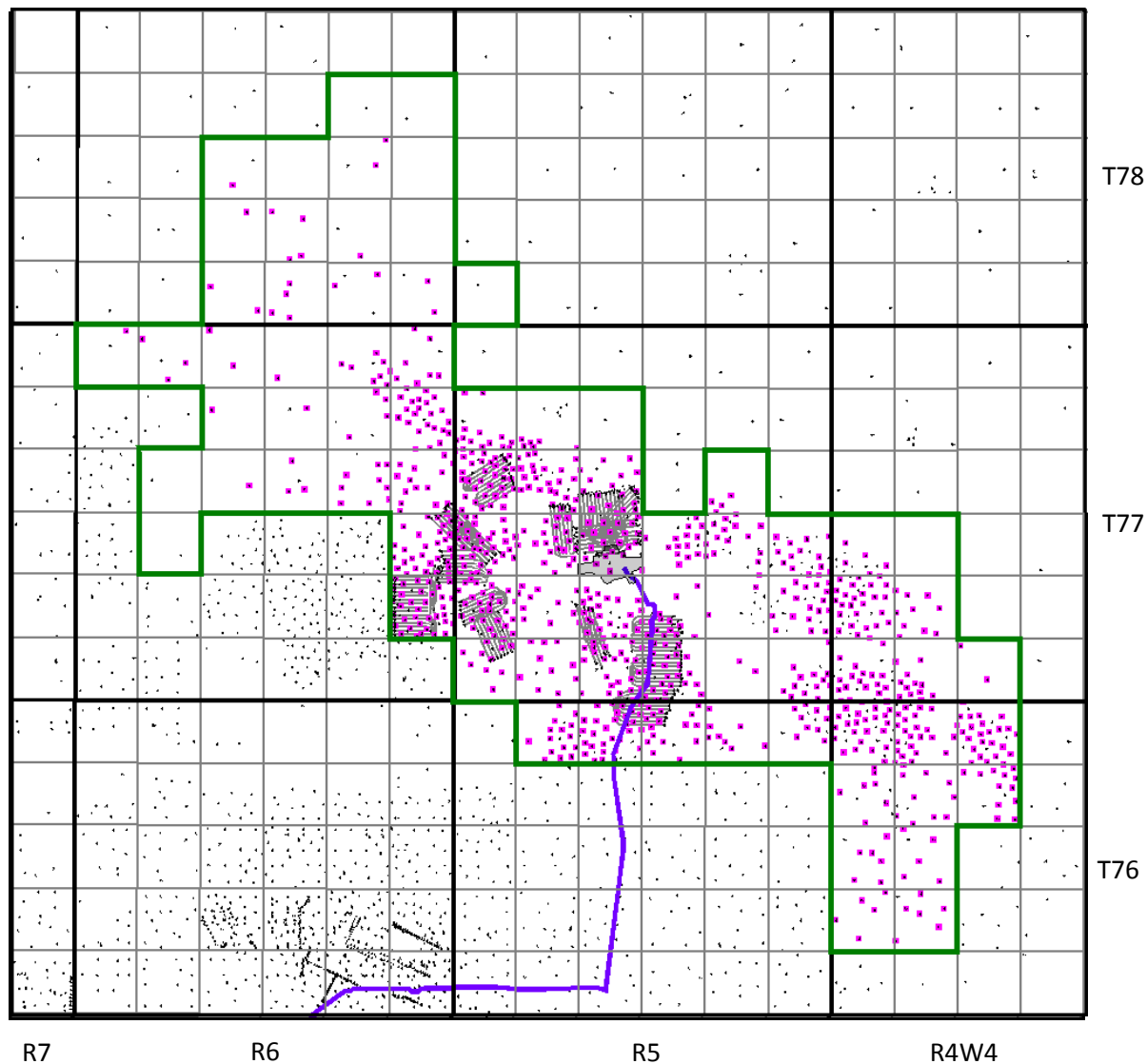


Christina Lake Regional Project (CLRP)





CLRP Wabiskaw / McMurray Cores

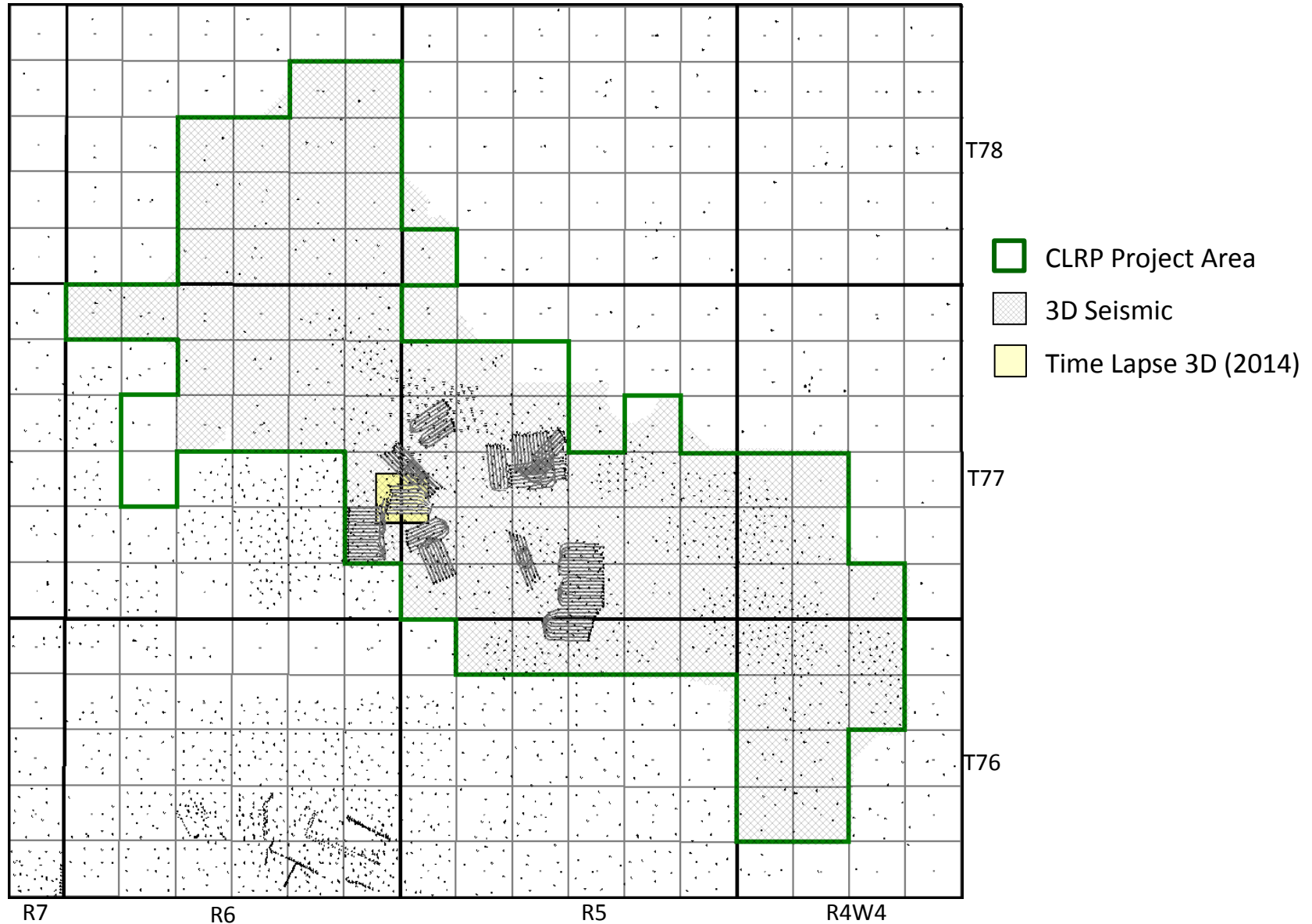


- Approved Project Area
- Wabiskaw / McMurray Core

- 827 cored wells
- 85% of all wells are cored



CLRP 3D Seismic

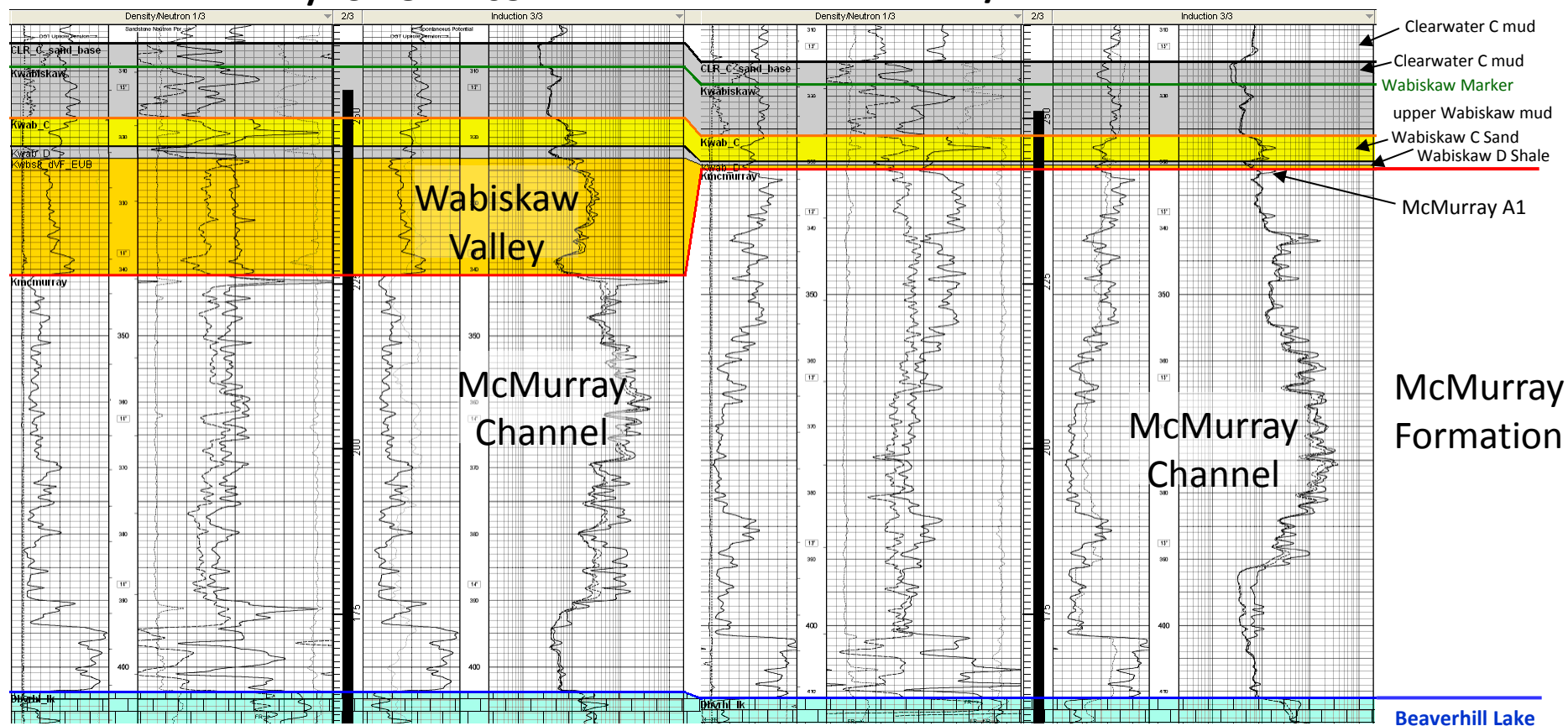




CLRP: Wabiskaw/McMurray Stratigraphy

1AA/13-18-77-05W4

1AC/10-07-77-05W4



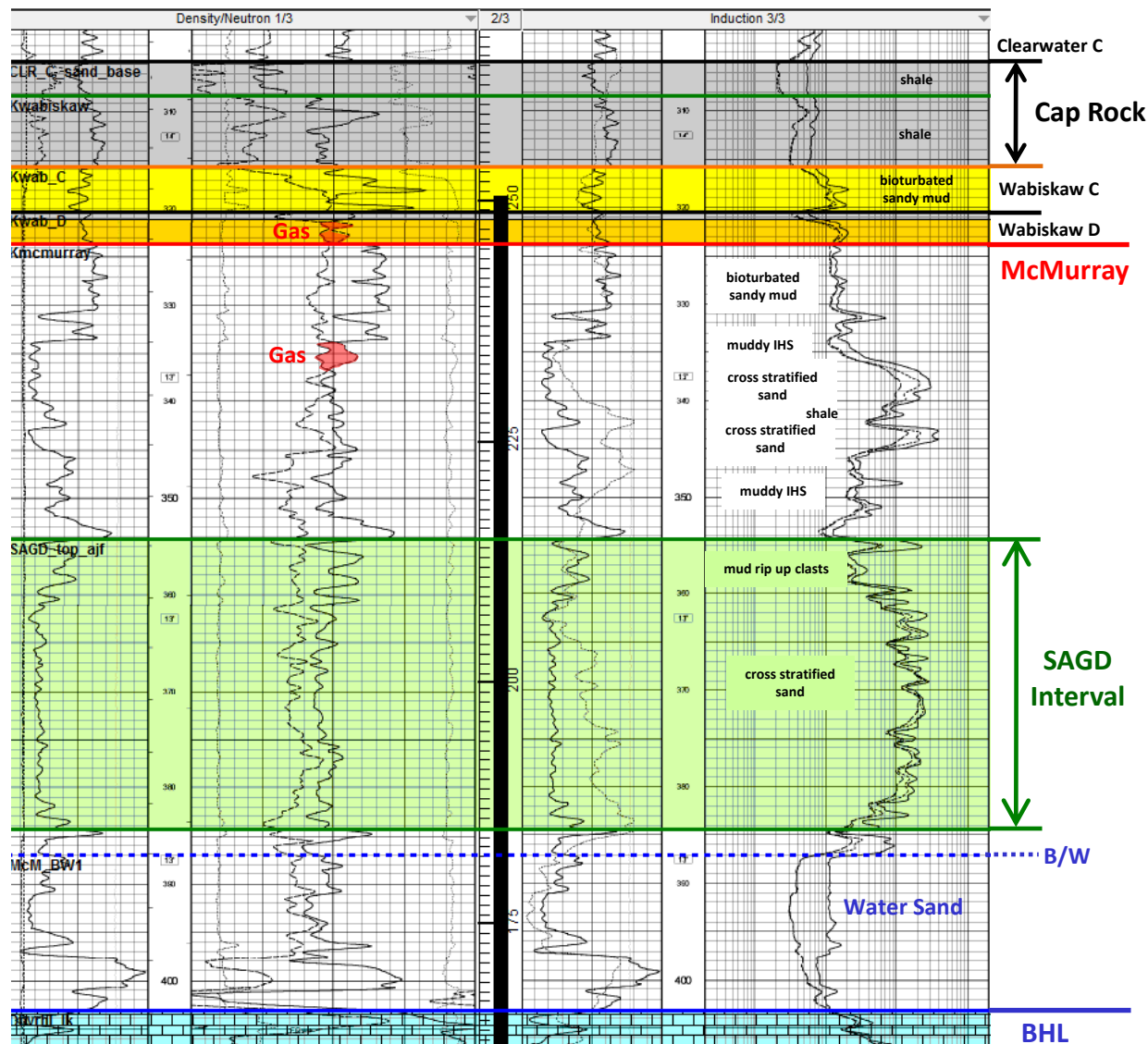
Stratigraphic Unit	Facies Association
lower Clearwater C	offshore mud
upper Wabiskaw	offshore / lower shoreface mud
Wabiskaw C	shoreface sand
Wabiskaw D Shale	bay mud
Wabiskaw D Valley	bay sand and mud
McMurray A1	shoreface sand / coal
upper McMurray Channel	tidal flat / creek sand and mud
lower McMurray Channel	fluvial / estuarine channel sand and mud
Beaverhill Lake	carbonate mudstone

McMurray stratigraphy after ERCB RGS 2003

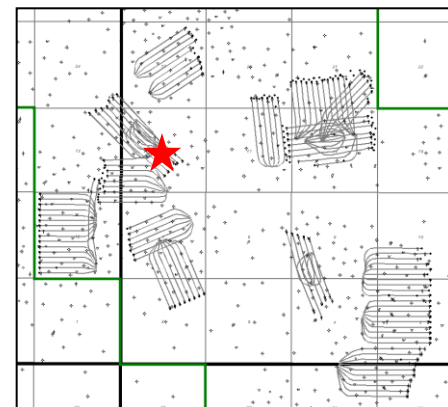


CLRP: Wabiskaw / McMurray Reference Well

1AE/06-18-77-05W400



	McMurray	SAGD
h (m)	47.6	30.3
avg Ø	0.311	0.314
Avg S _o	0.770	0.794
BMO (calc)	0.114	0.120
McMurray Pay ≥ 6 wt% BMO		





CLRP: McMurray SAGD Pay Parameters

SAGD Pay

≥ 10 m continuous pay (defined from cores, images and well logs)

R_t = Deep Induction

$\emptyset_{\text{density}} \geq 25\%$

S_o (bitumen saturation) $\geq 50\%$

gas and coal excluded

parameters for S_o calculation

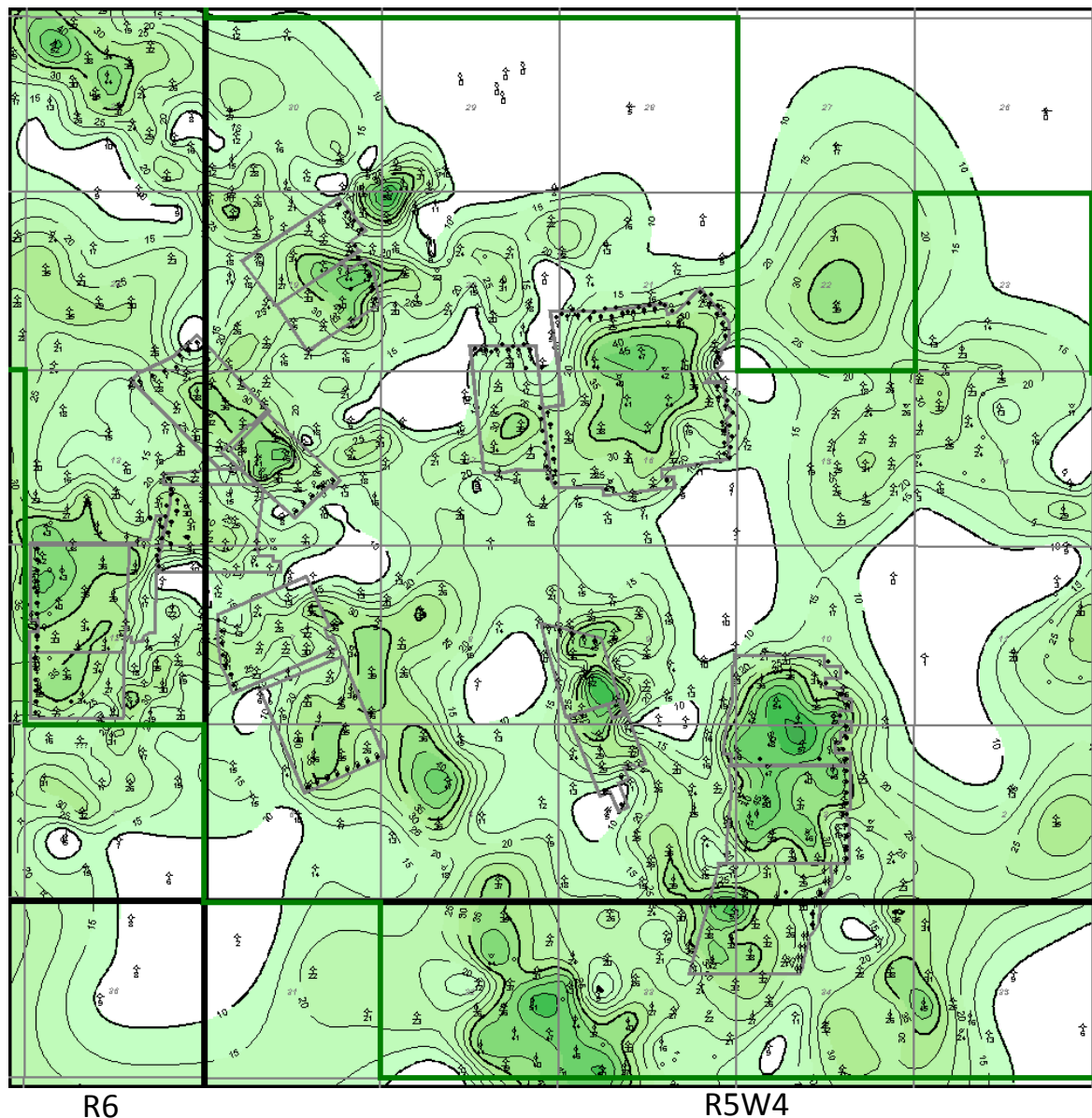


CLRP: Average McMurray Reservoir Properties

average pay (m)	18.7
average depth to reservoir top (mTVD)	359
average porosity (frac)	0.32
average S_w (frac)	0.25
average K_h (Darcies)	5,000
average K_v (Darcies)	2,500
initial reservoir pressure (kPag)	2,100
reservoir temperature ($^{\circ}\text{C}$)	13



CLRP ADA Total McMurray SAGD Pay ≥ 10 m



CLRP Project Area

SAGD Patterns

SAGD Pay Cutoffs:

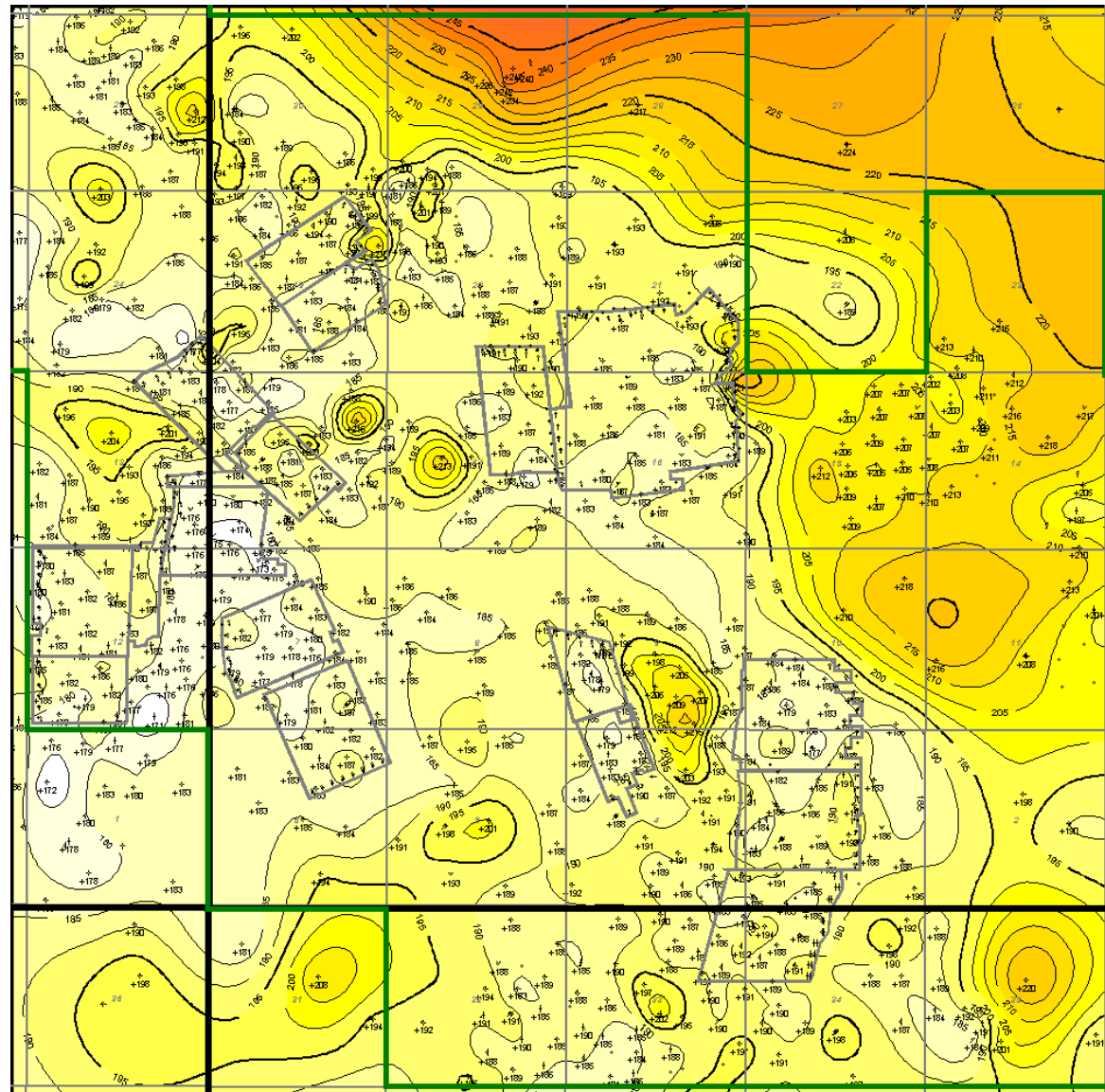
- continuous bitumen pay ≥ 10 m (defined by logs, images and core)
- So $\geq 50\%$ (~6 wt% bulk mass oil);
- Porosity (density) $\geq 25\%$;

T77

contour interval = 5 m



CLRP ADA Base SAGD Pay Structure



- CLRP Project Area
- SAGD Patterns

T77

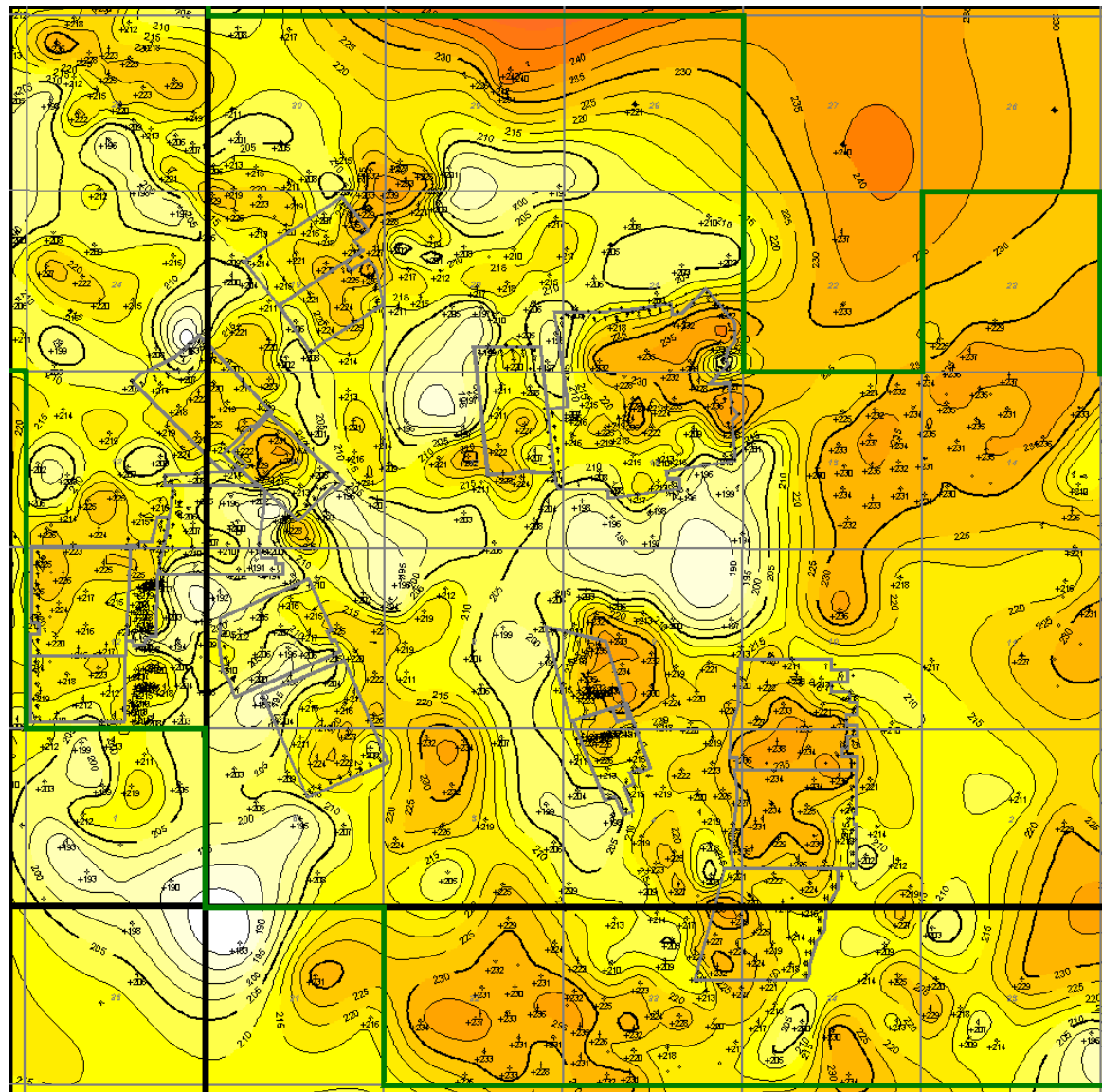
contour interval = 5 m

R6

R5W4



CLRP ADA Top SAGD Pay Structure



- CLRP Project Area
- SAGD Patterns

T77

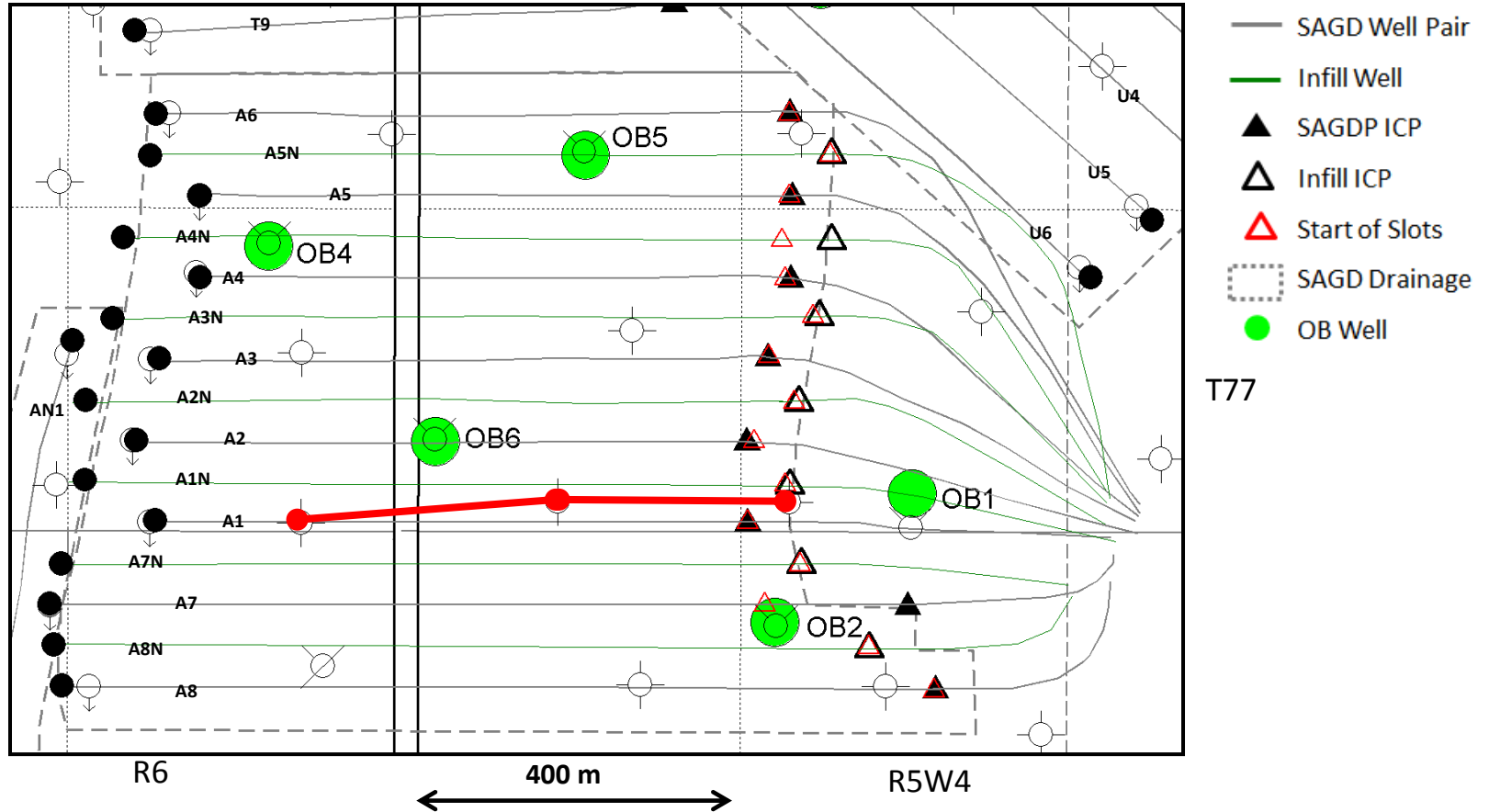
contour interval = 5 m

R6

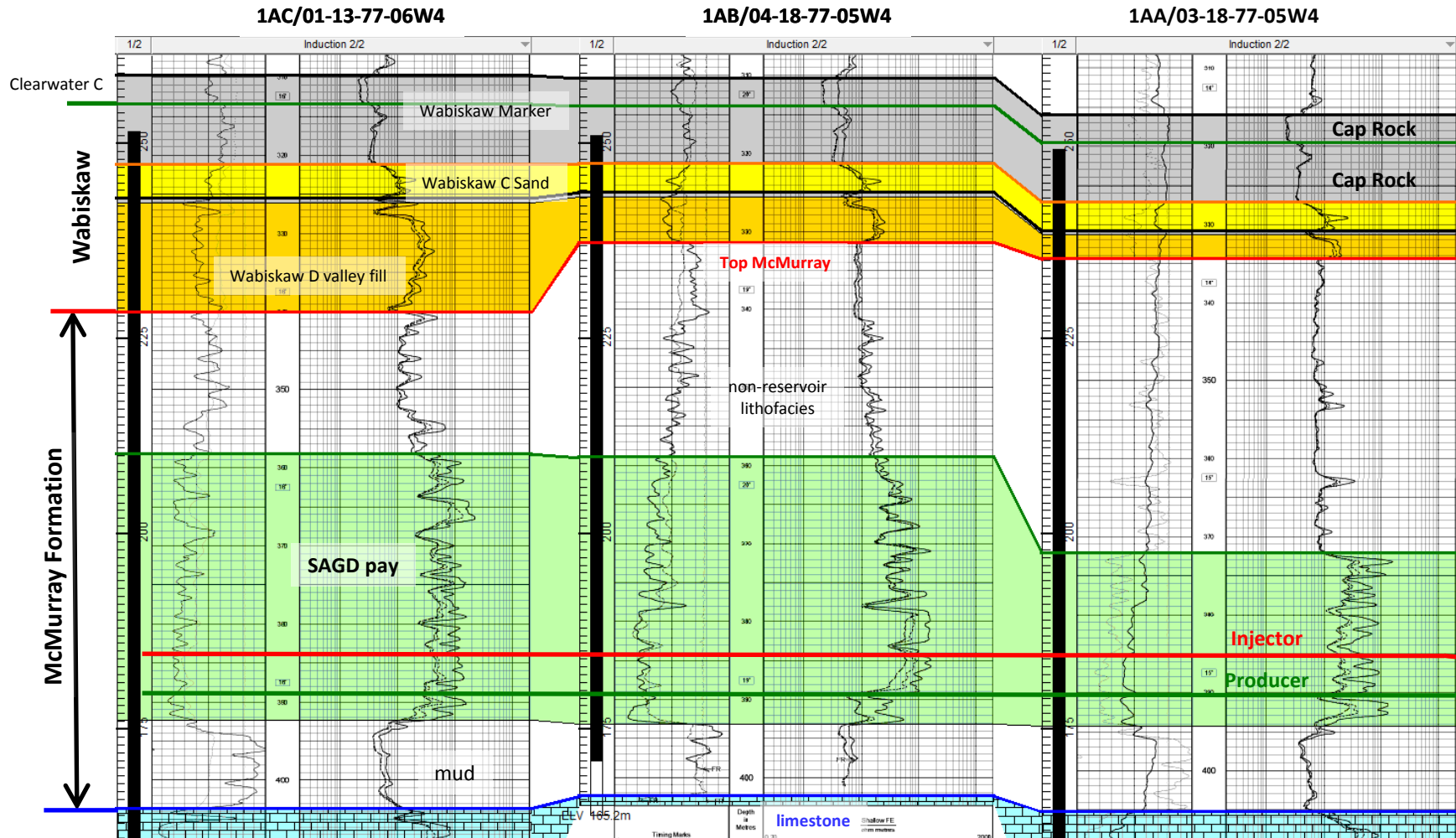
R5W4



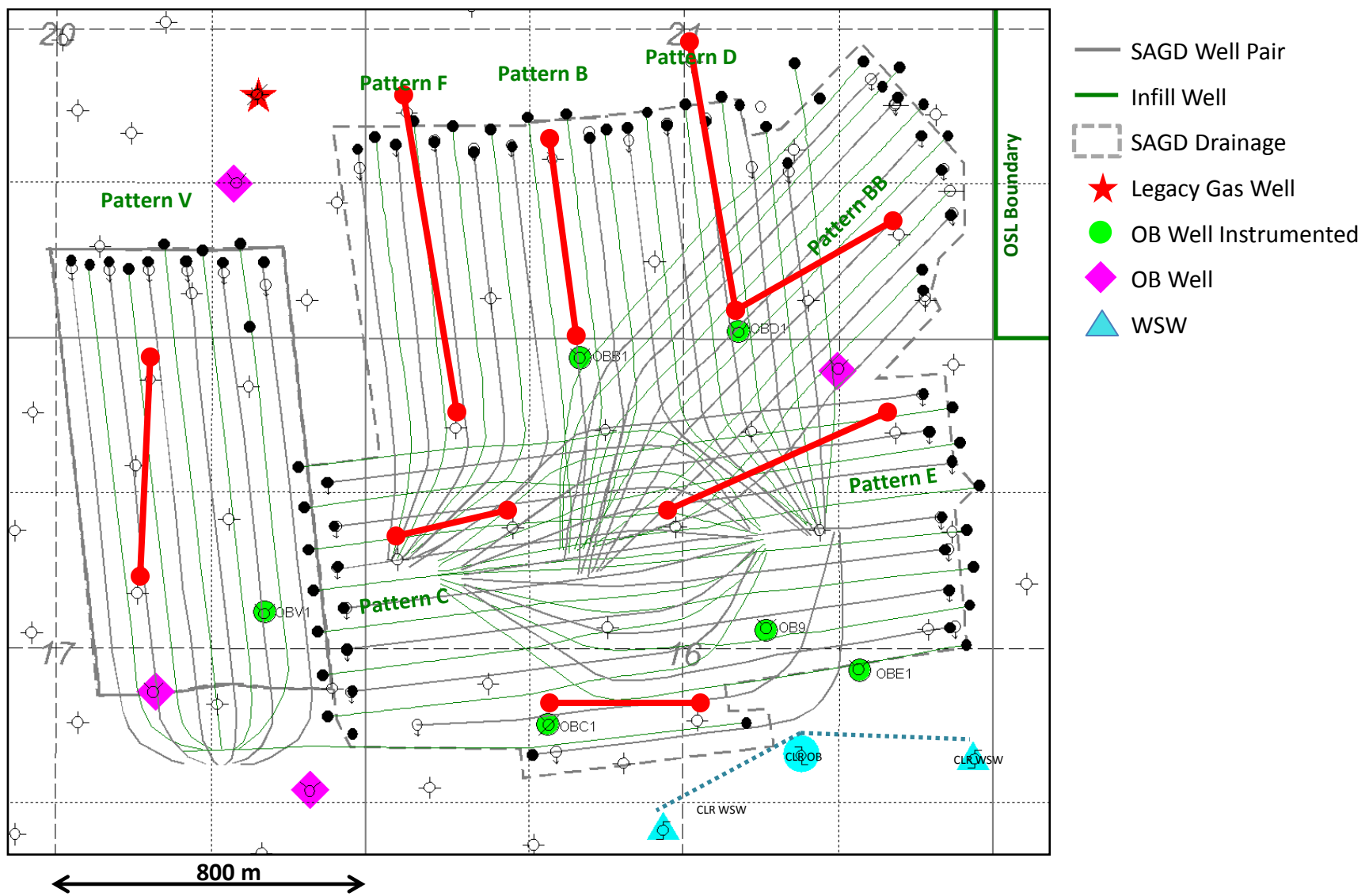
SAGD Pattern A Map View



CLRP Pattern A SAGD Development



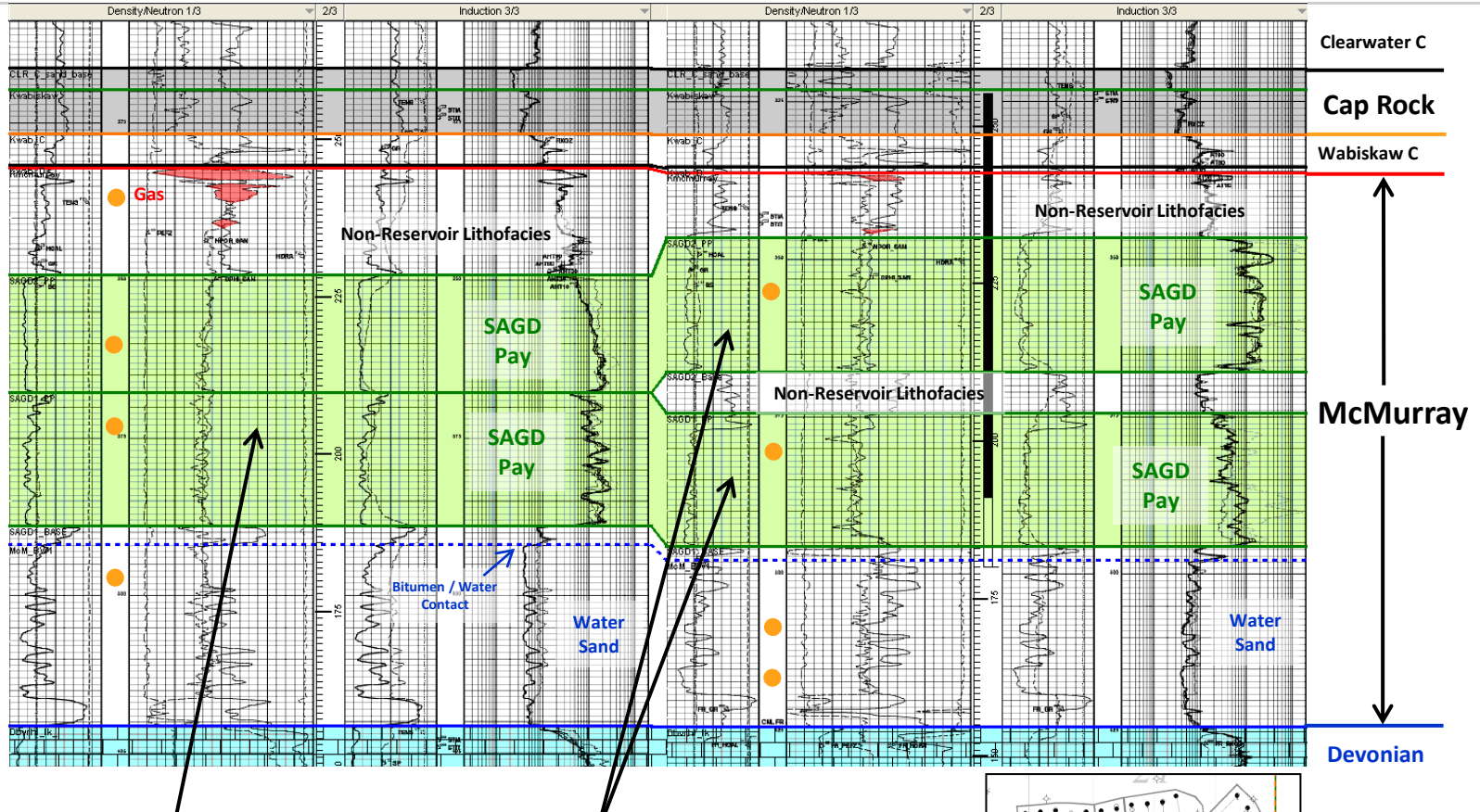
CLRP Phase 2 SAGD and Infill Wells Map View



CLRP Stacked SAGD Pay

100/14-16-77-05W4 OBB1

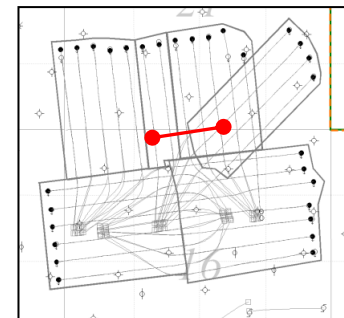
100/02-21-77-05W4 OBD1



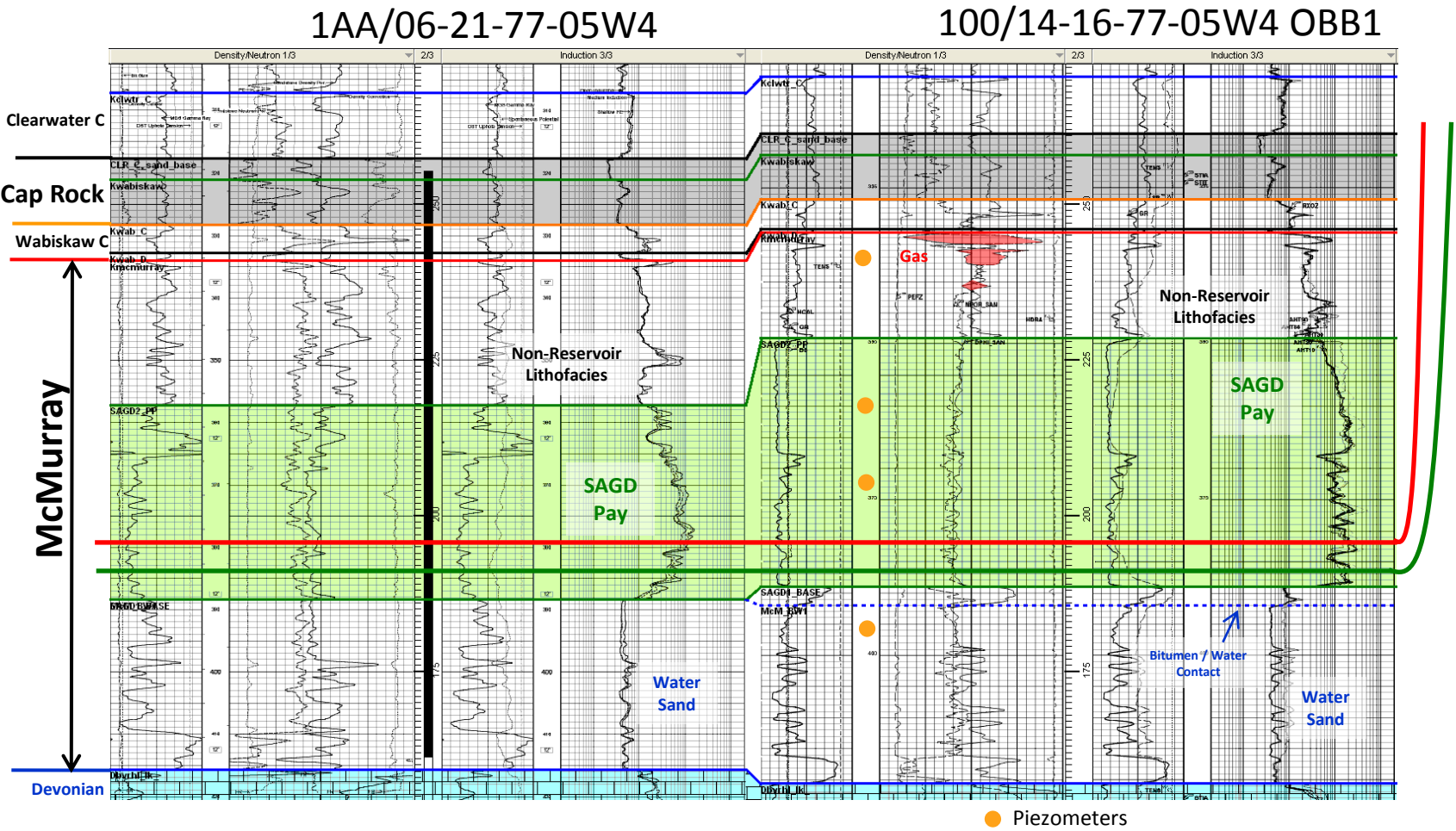
Single Pattern Development
(Single Pay Interval)

Stacked Pattern Development
(Multiple Pay Intervals)

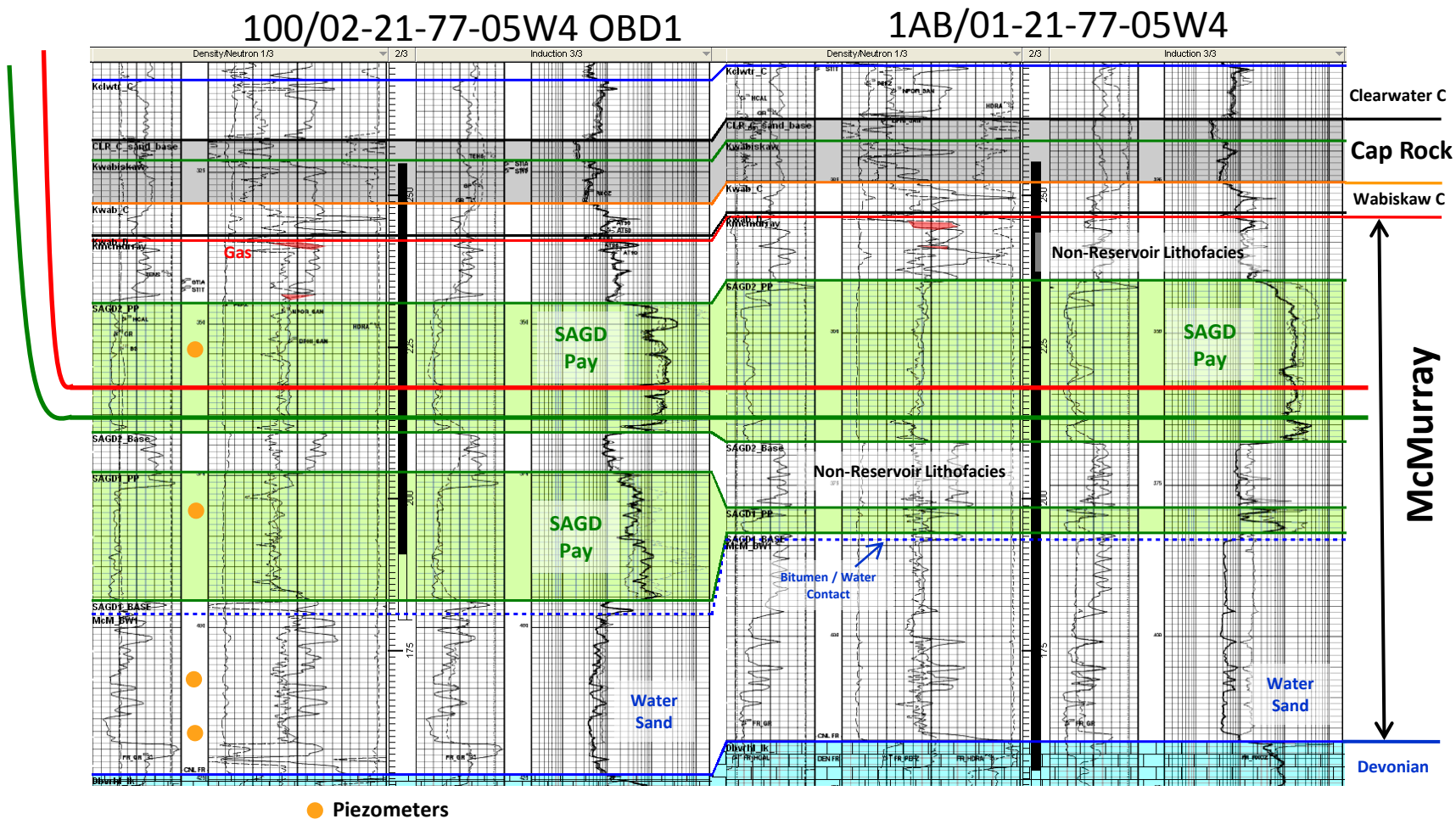
● Piezometers



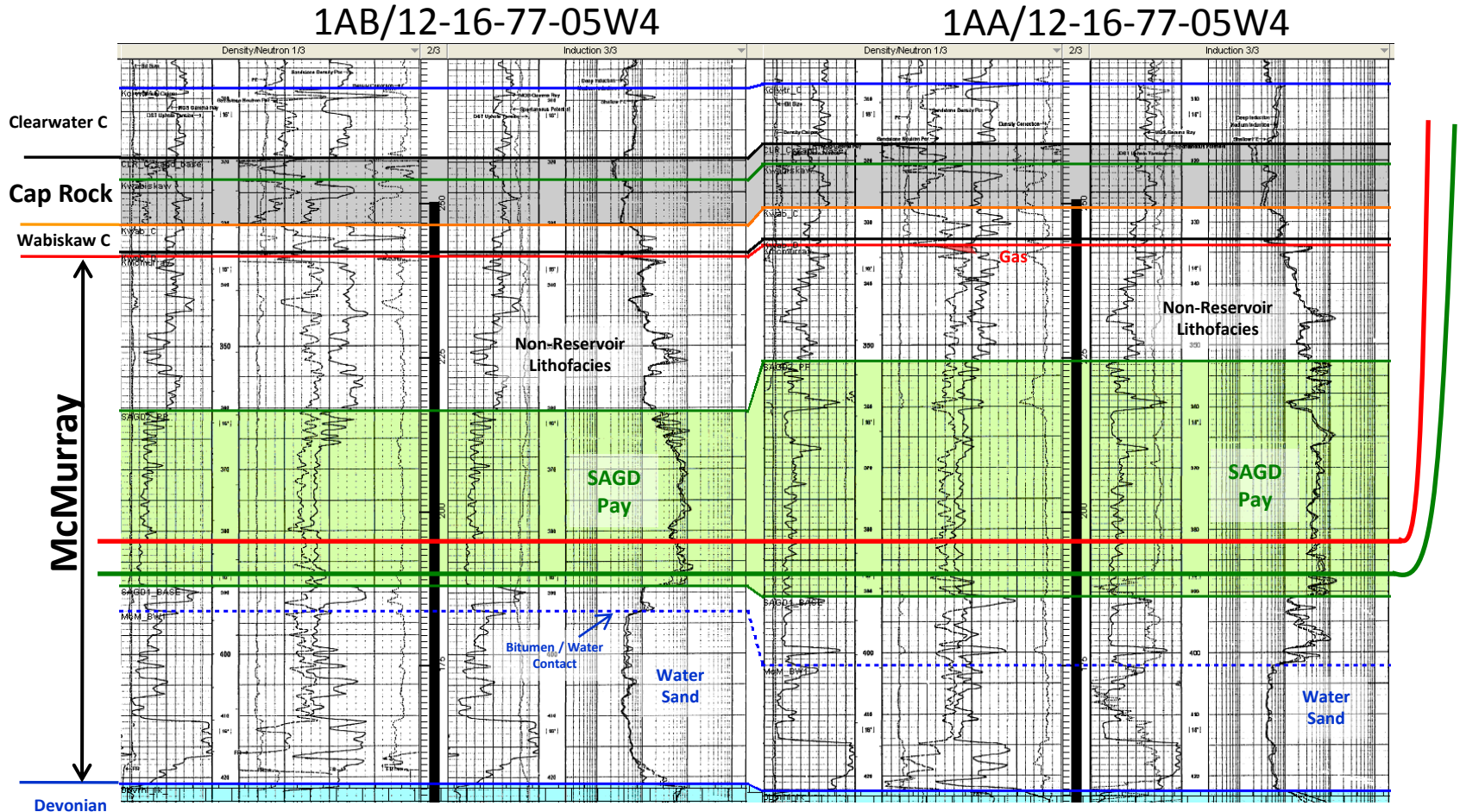
CLRP Pattern B SAGD Development



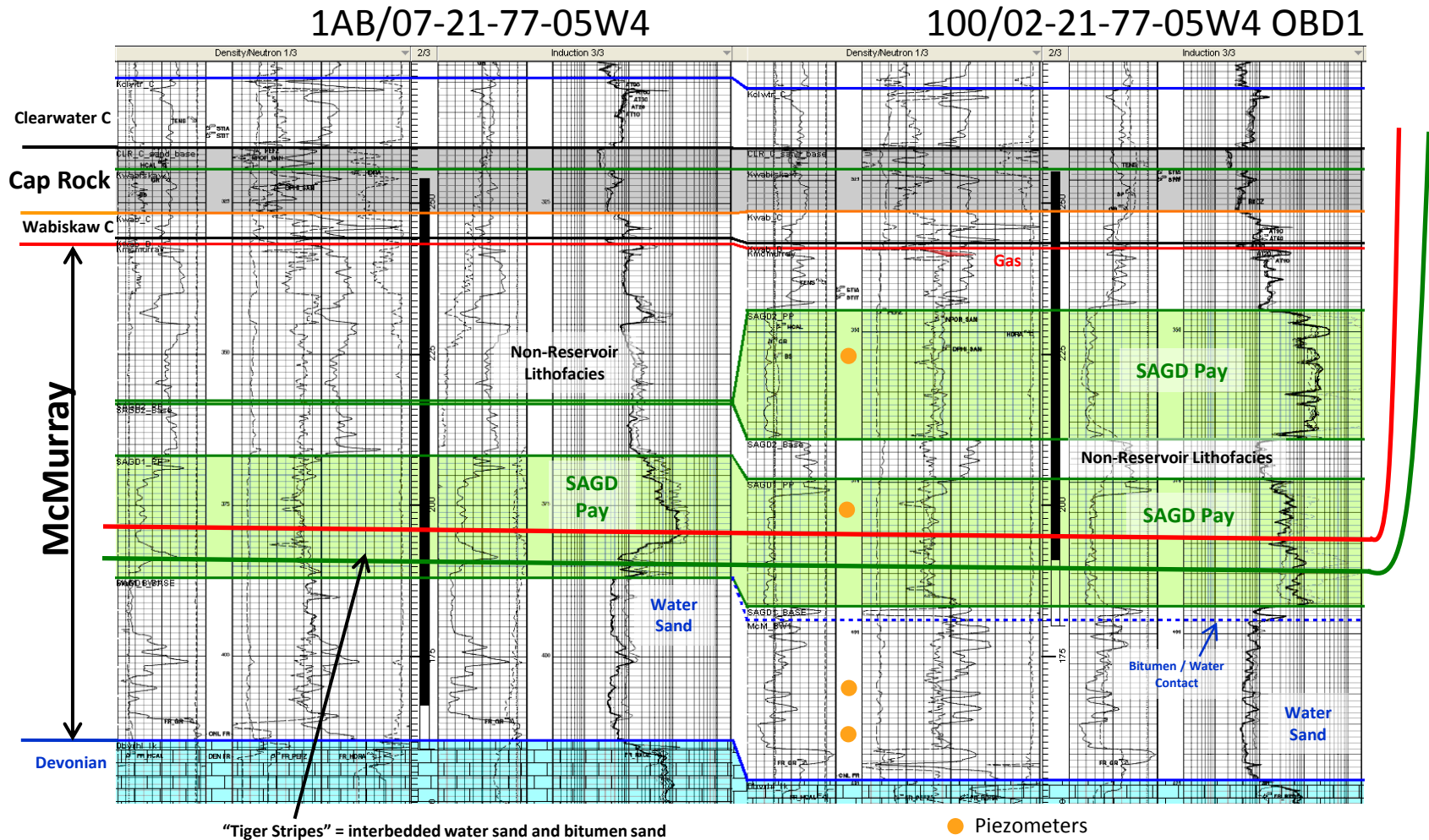
CLRP Pattern BB SAGD Development



CLRP Pattern C SAGD Development



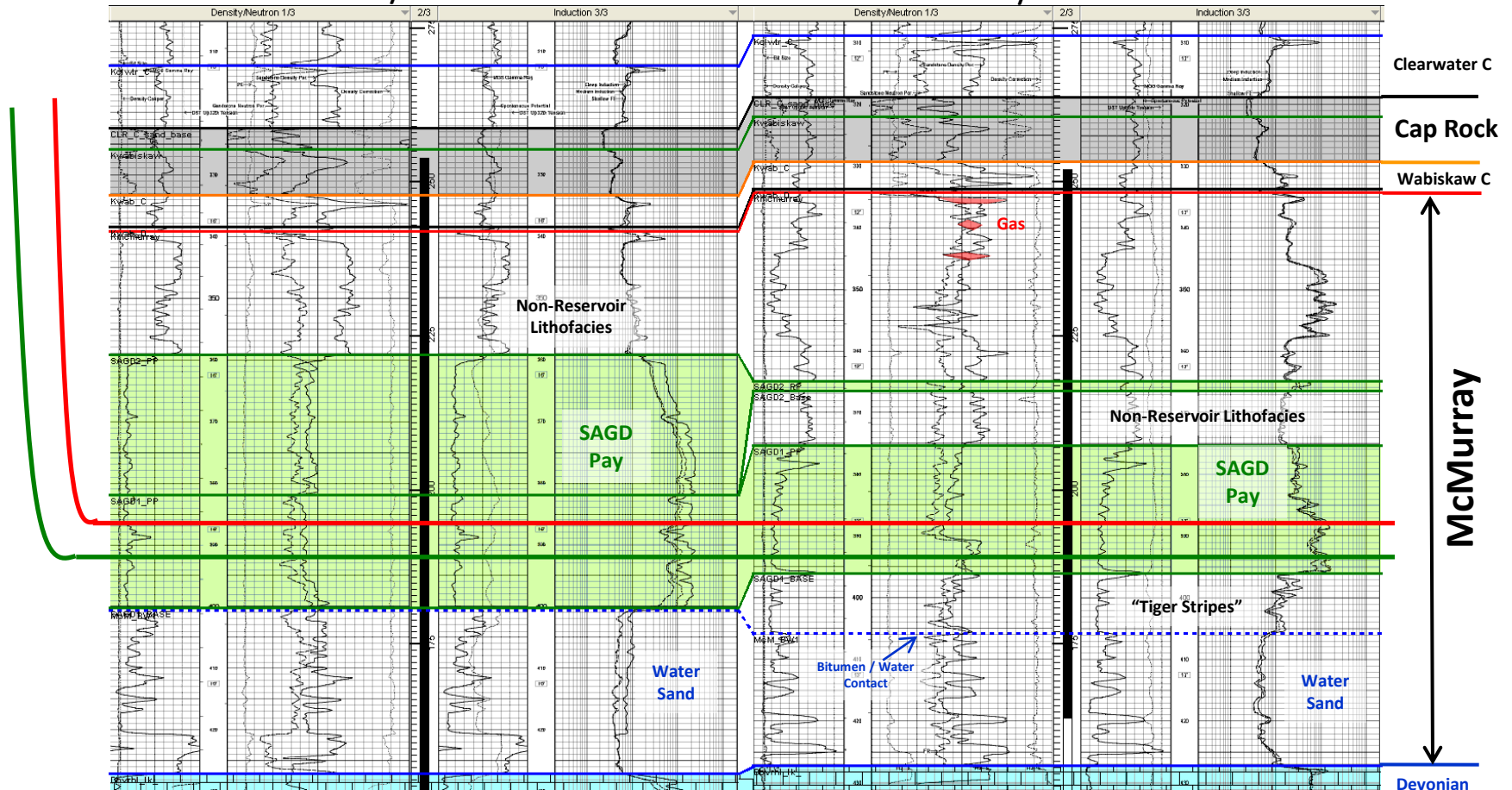
CLRP Pattern D SAGD Development



CLRP Pattern E SAGD Development

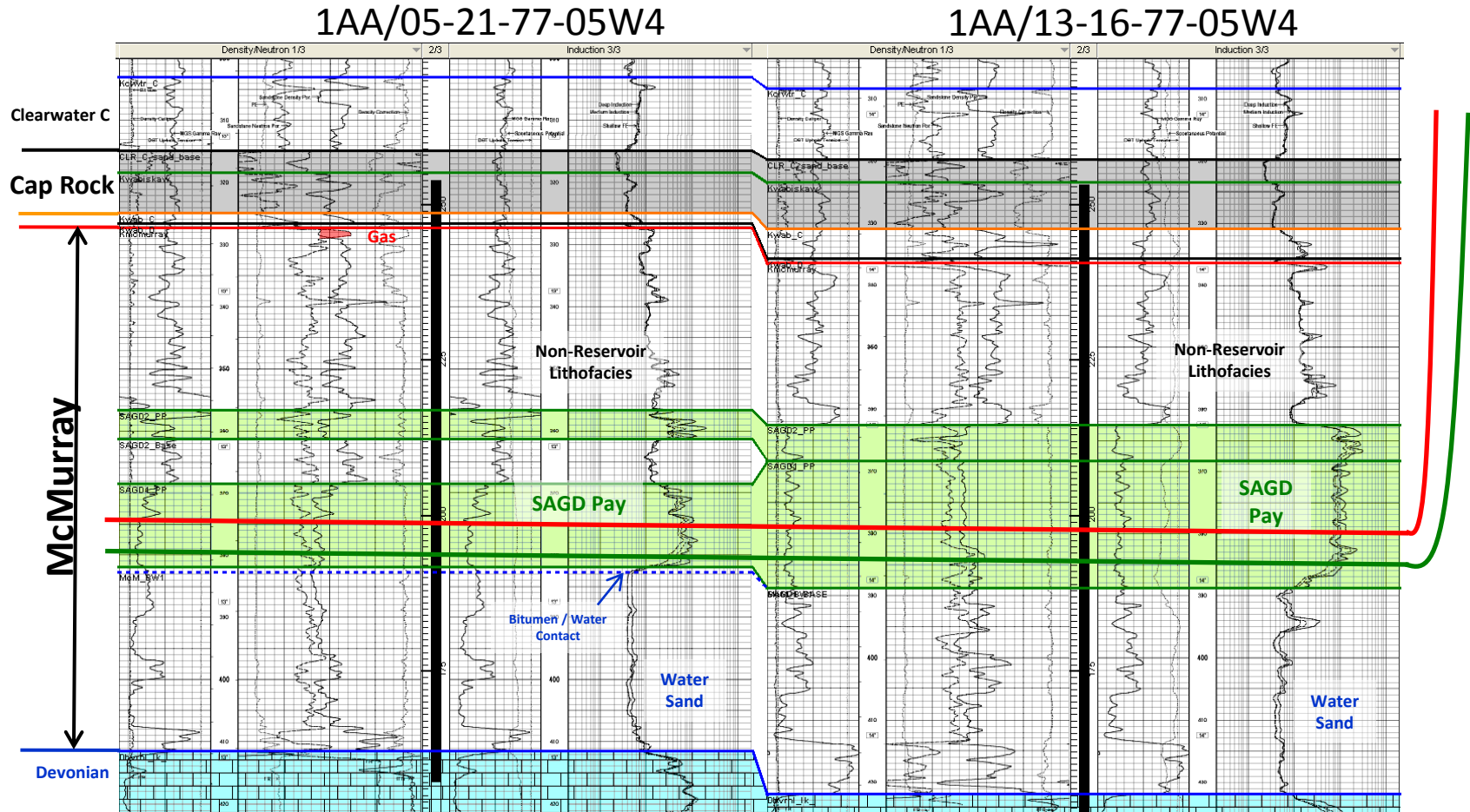
1AA/11-16-77-05W4

1AA/16-16-77-05W4

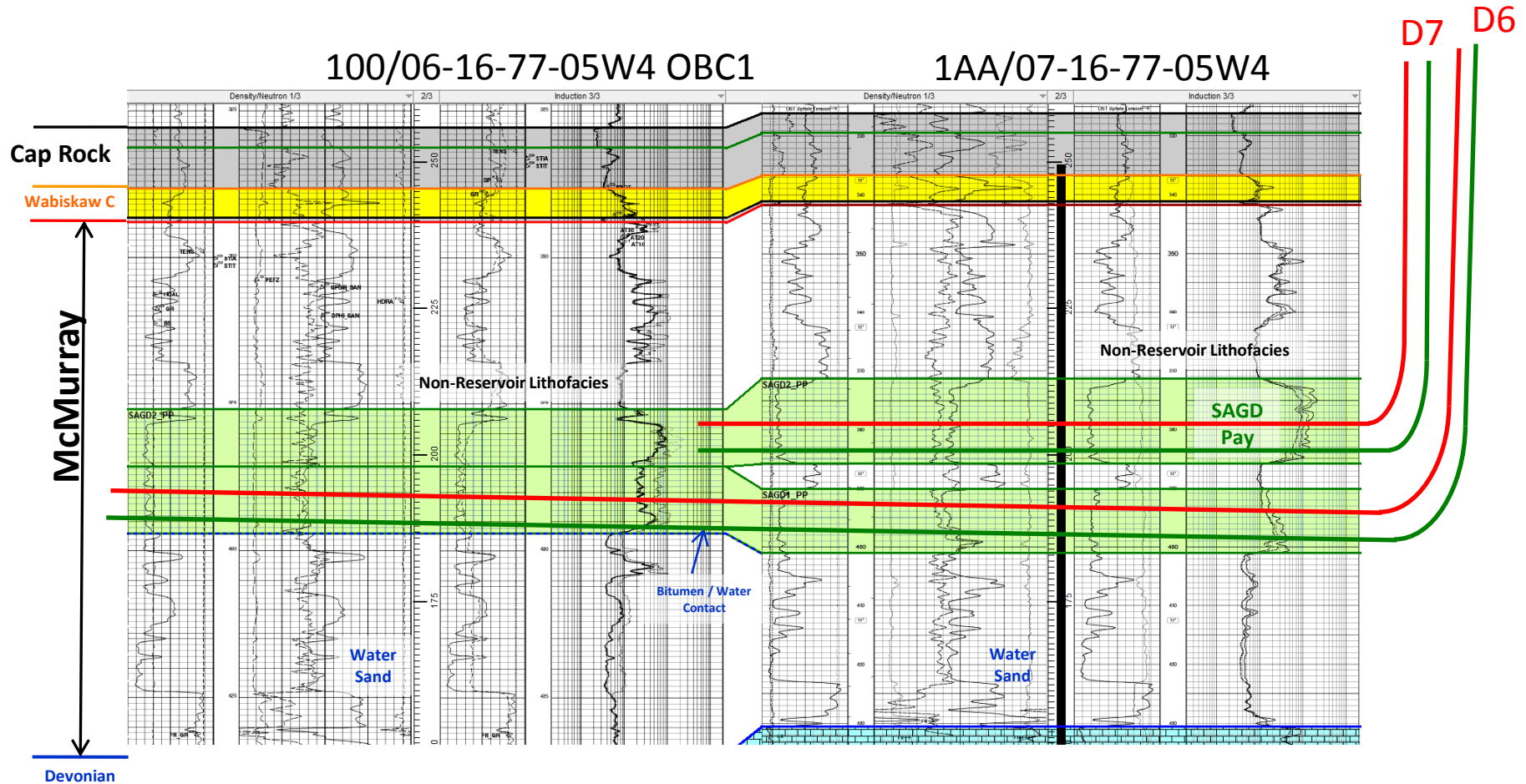


"Tiger Stripes" = interbedded water sand and bitumen sand

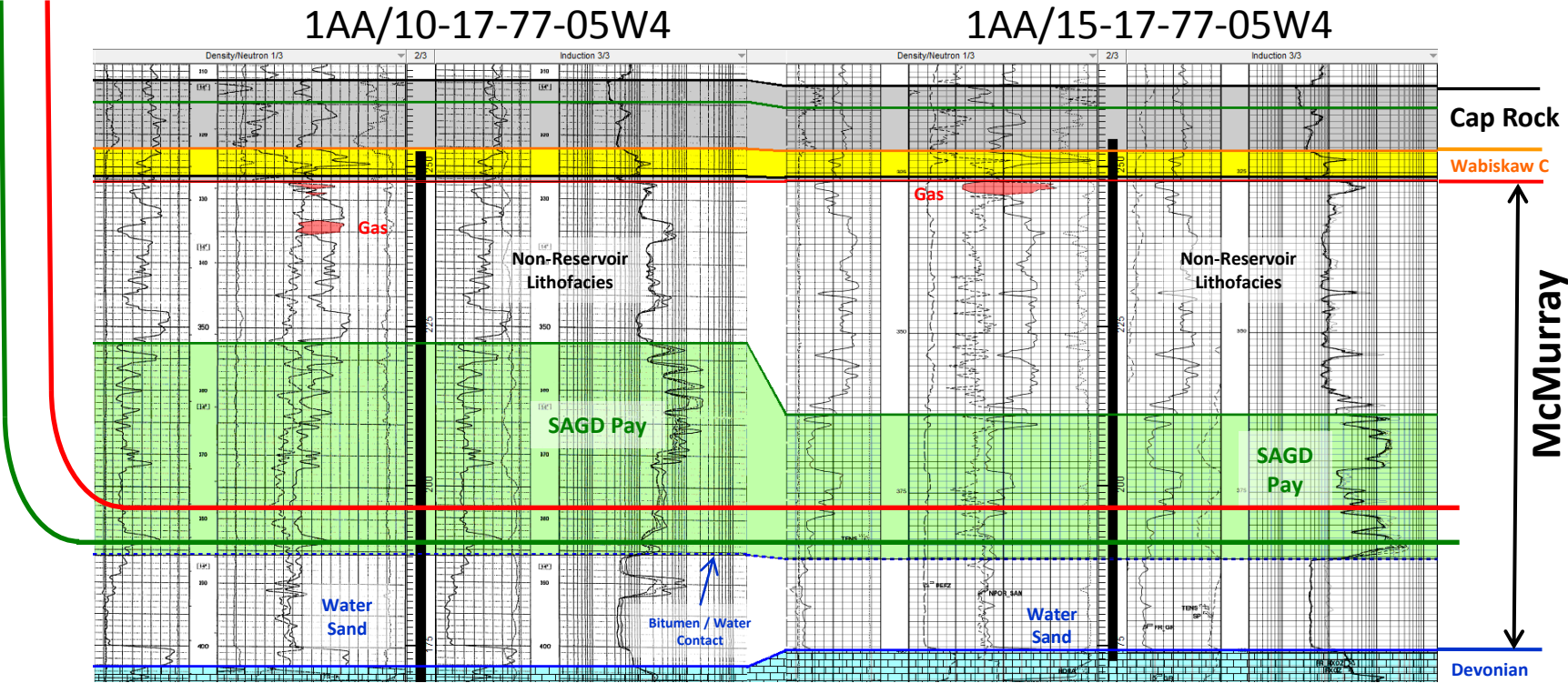
CLRP Pattern F SAGD Development



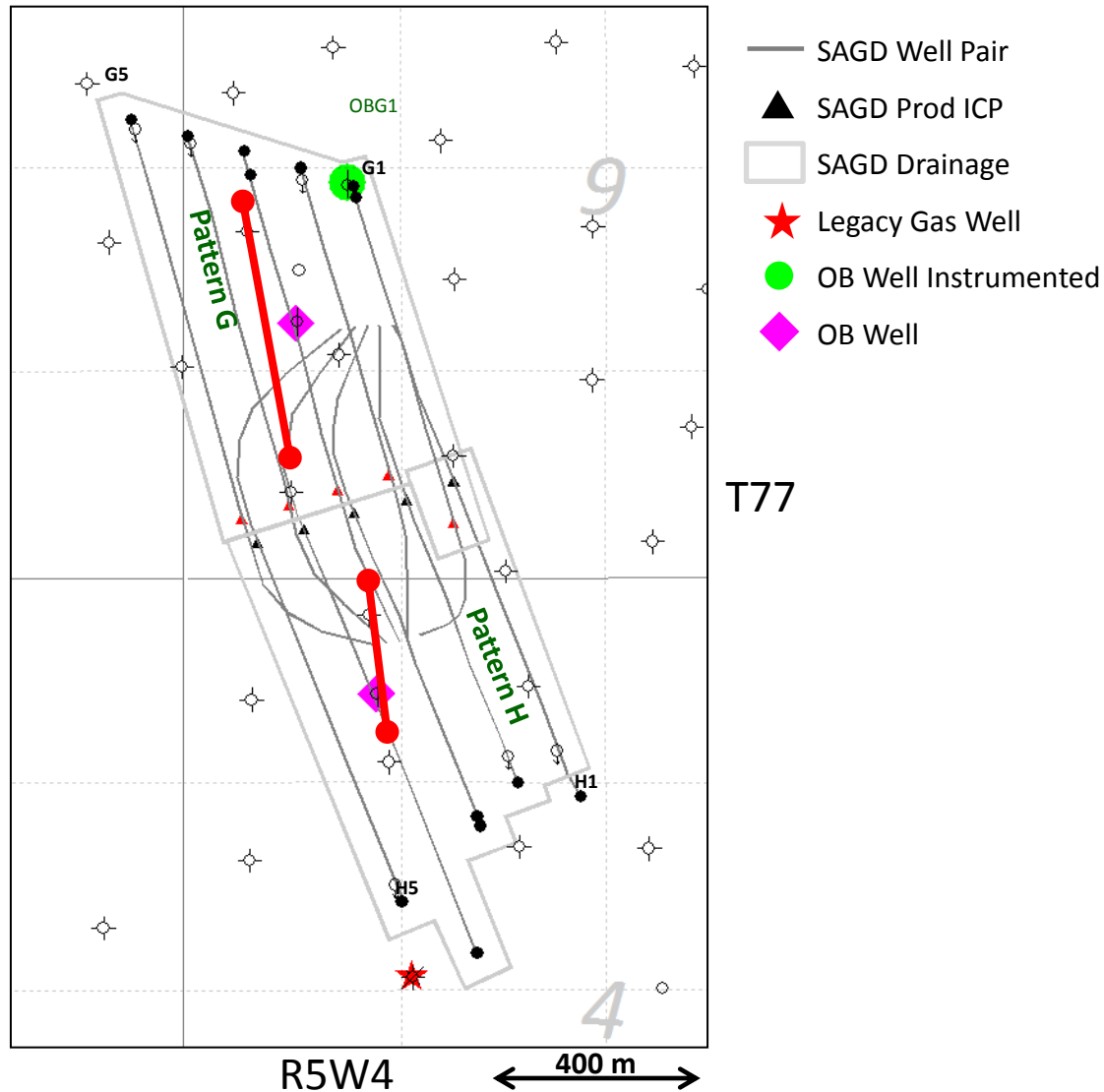
CLRP Pattern D6/D7 SAGD Development



CLRP Pattern V SAGD Development



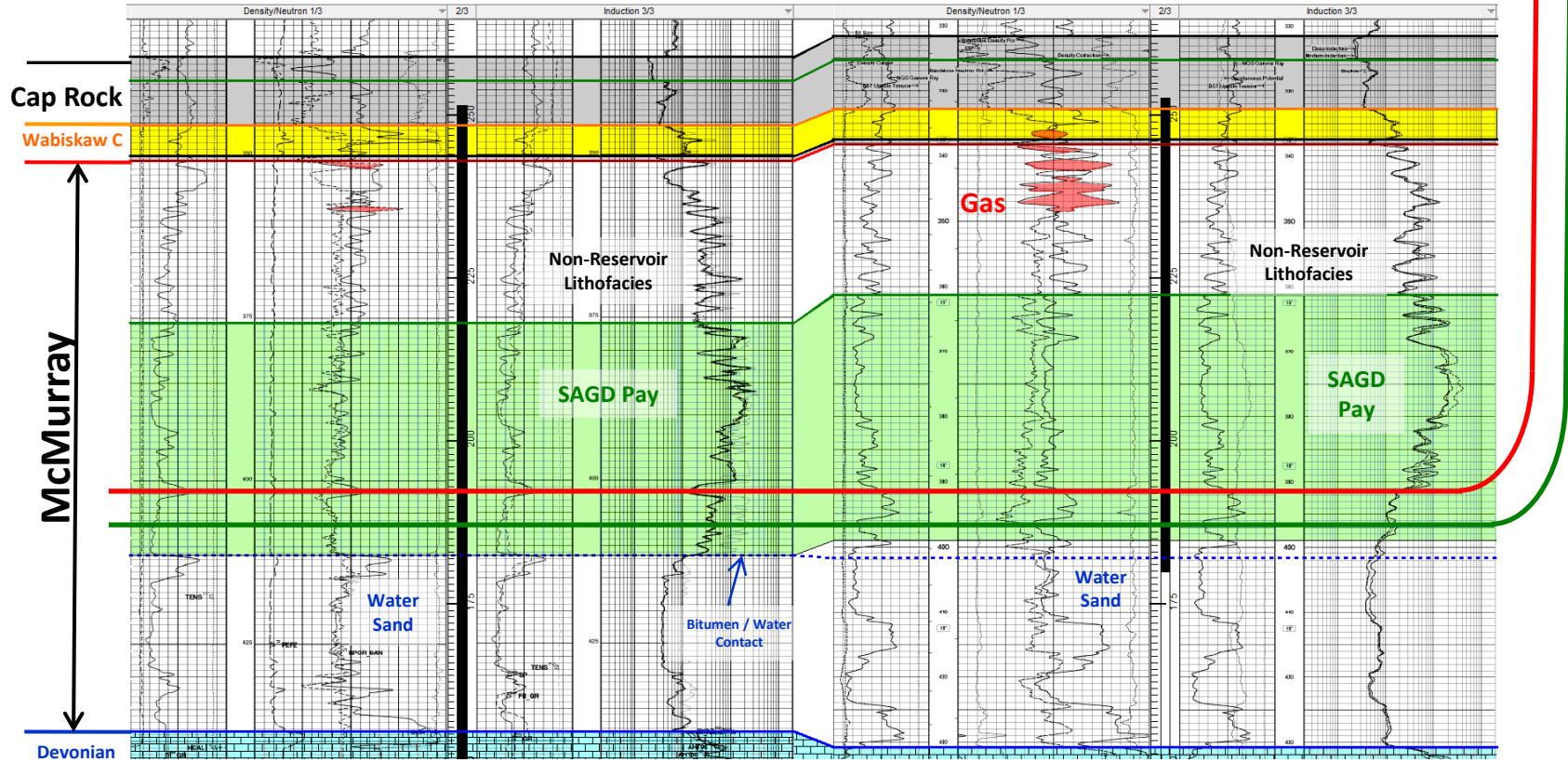
CLRP G & H SAGD Development



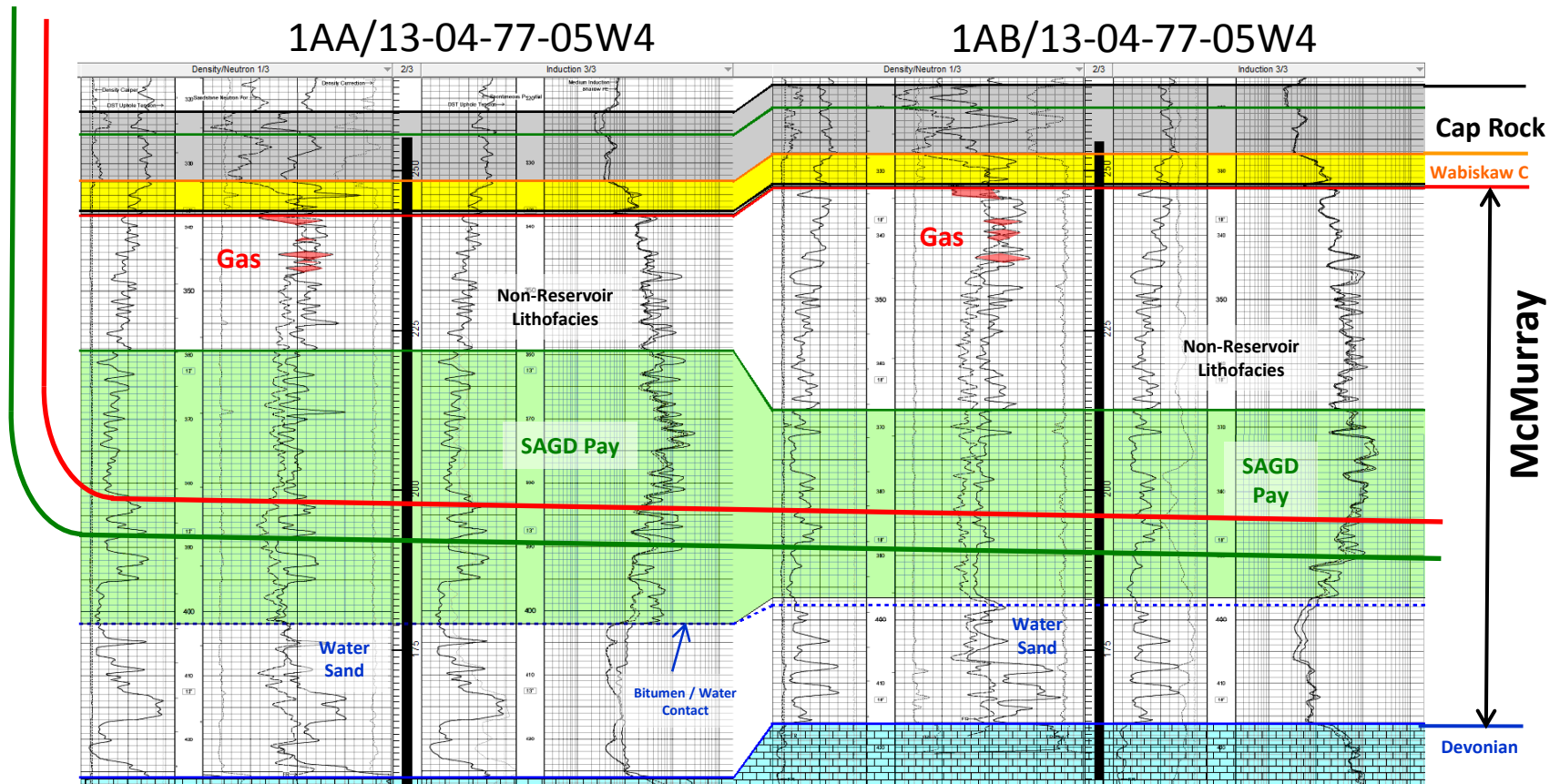
CLRP Pattern G SAGD Development

1AB/05-09-77-05W4

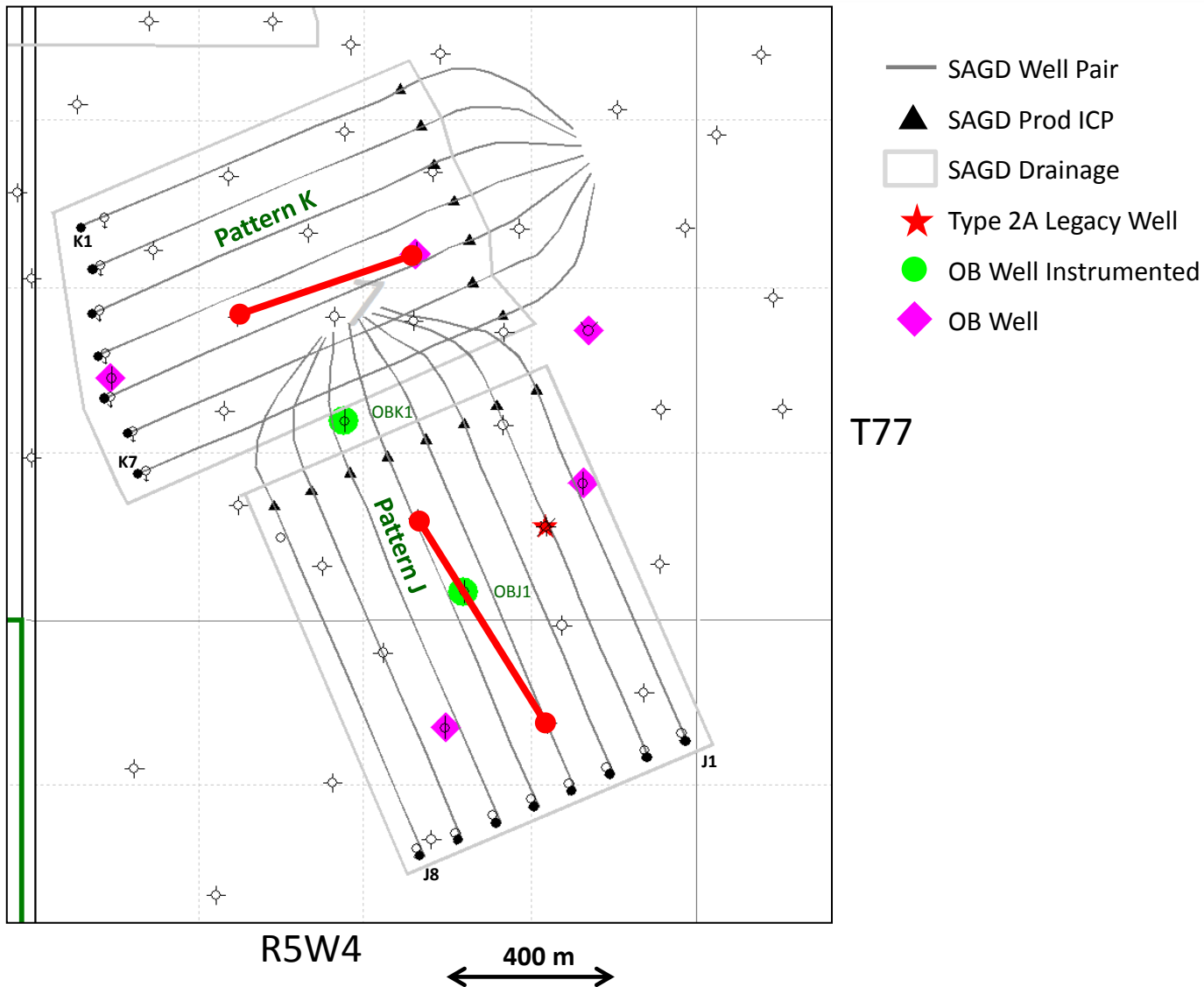
1AA/04-09-77-05W4



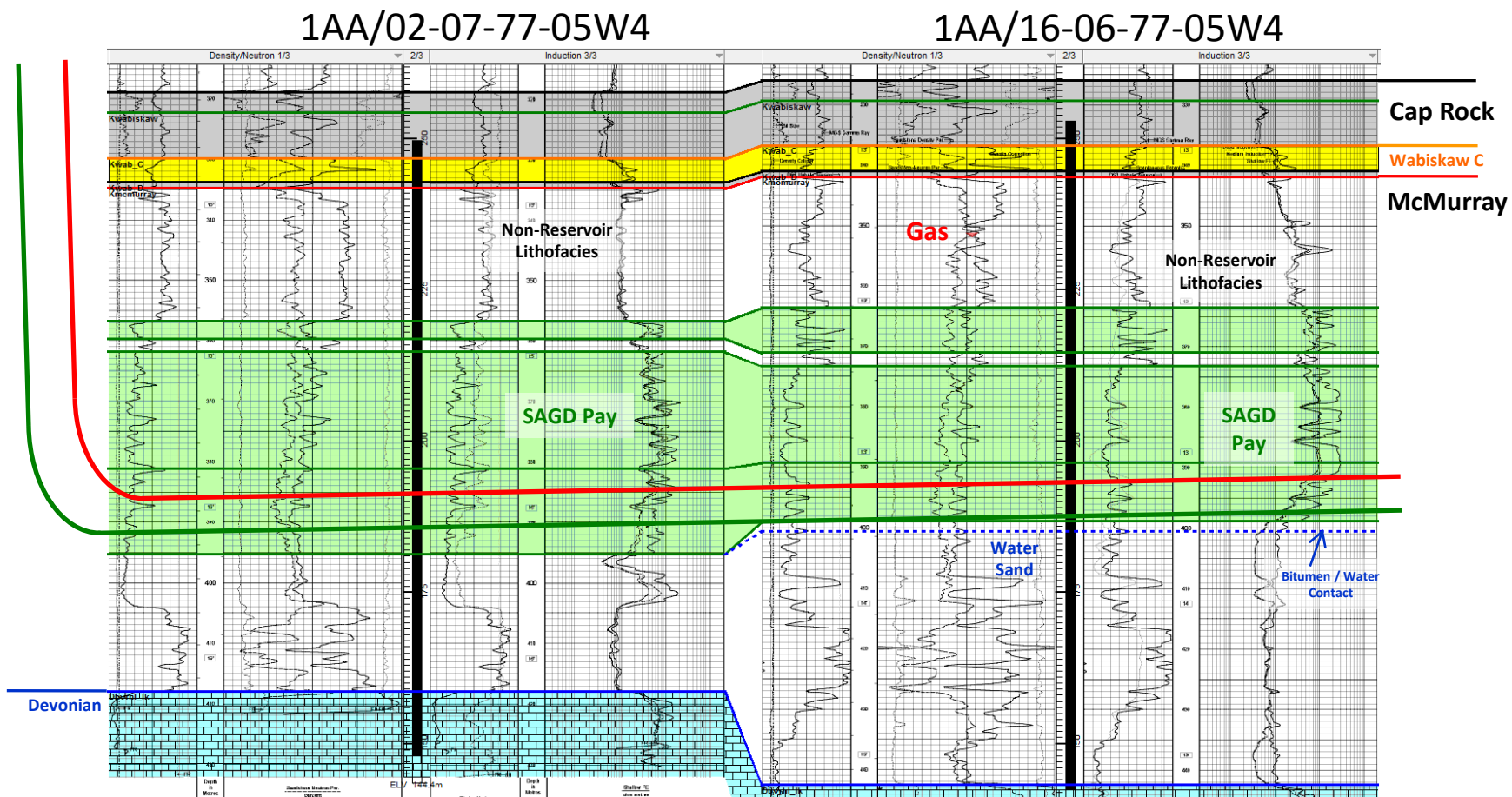
CLRP Pattern H SAGD Development



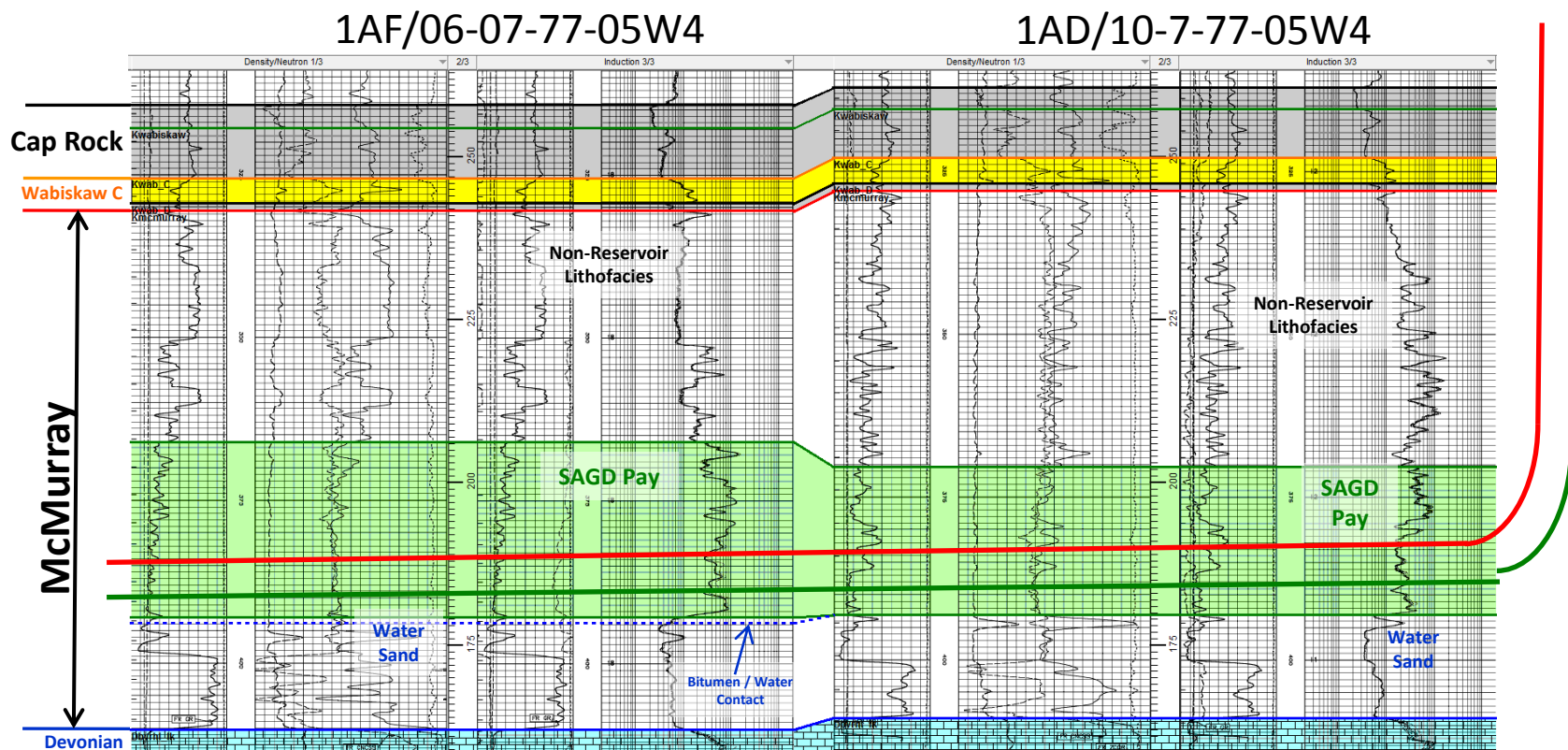
CLRP J & K SAGD Development



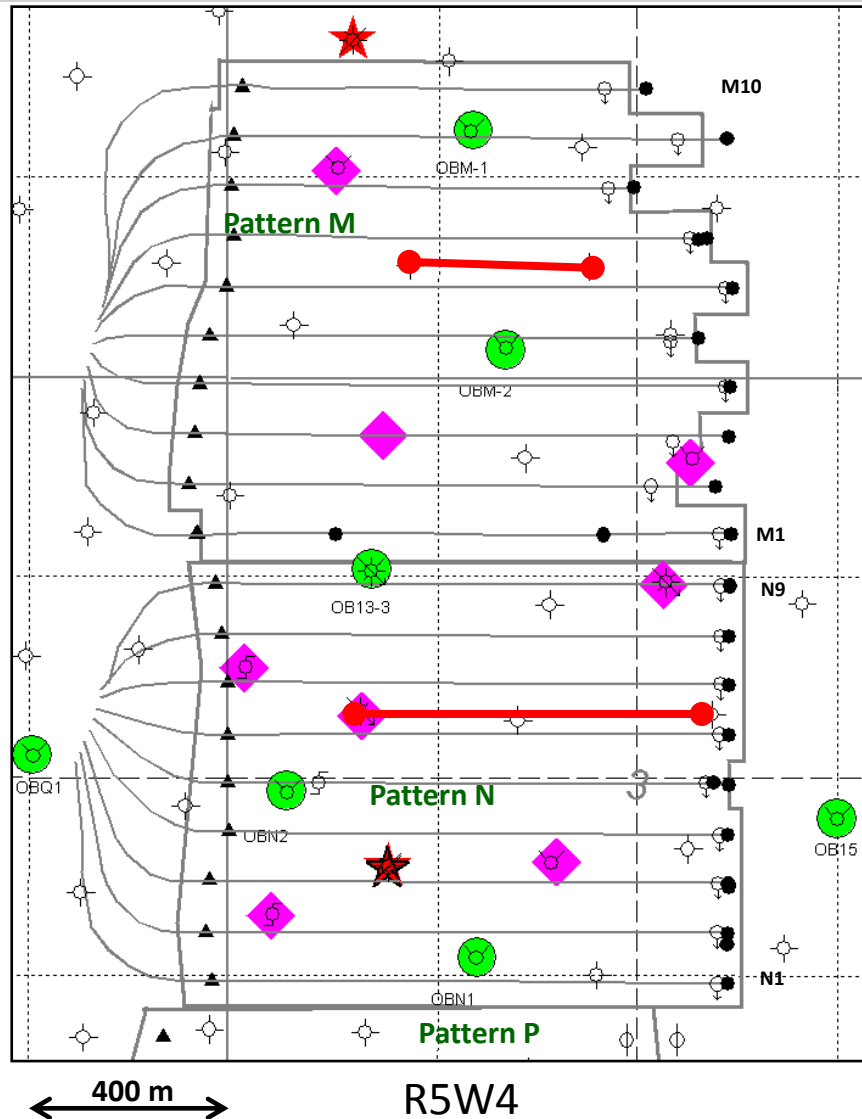
CLRP Pattern J SAGD Development



CLRP Pattern K SAGD Development



CLRP M & N SAGD Development

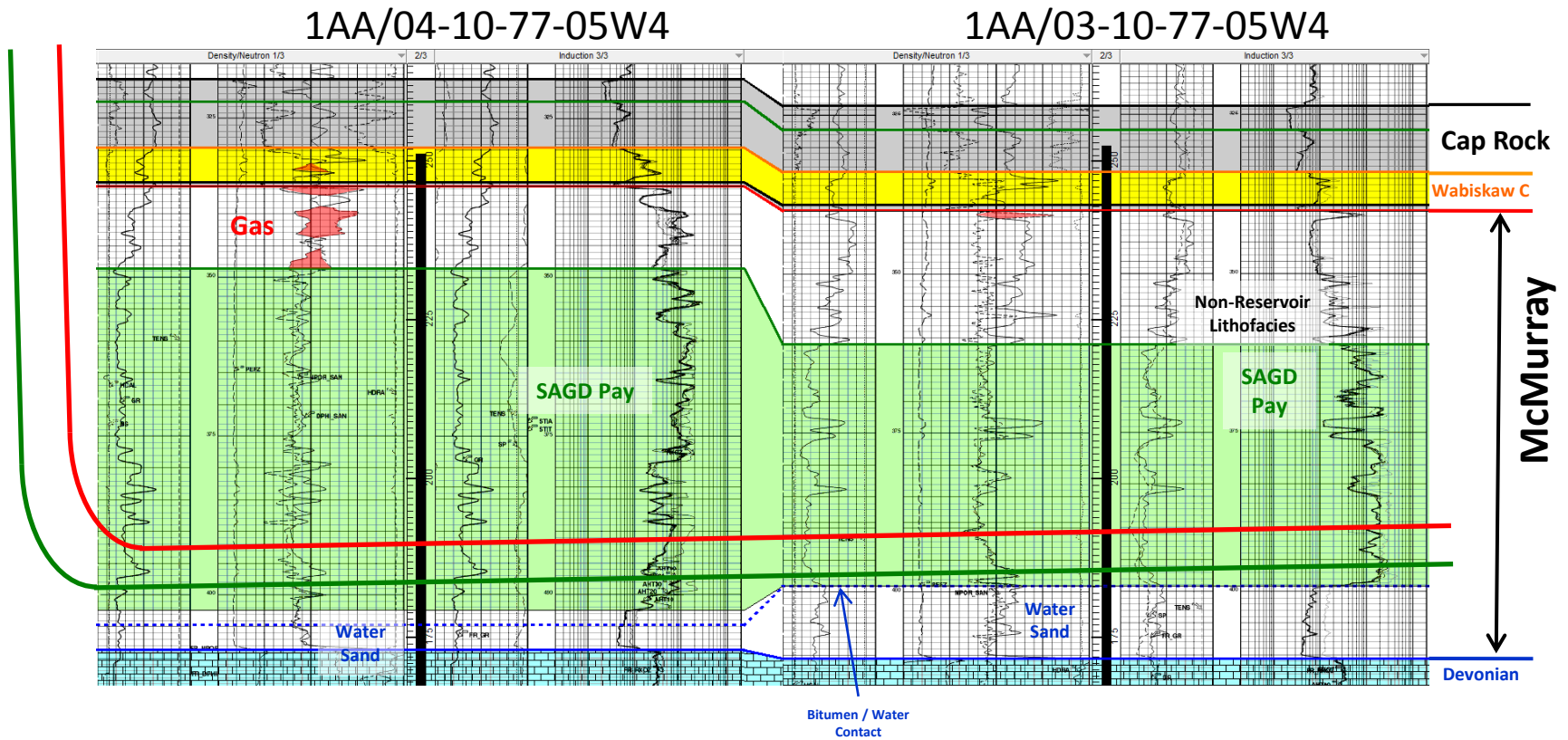


- SAGD Well Pair
- ▲ SAGD Prod ICP
- SAGD Drainage
- ★ Legacy Gas Well
- OBS Well Instrumented
- ◆ OBS Well

T77

R5W4

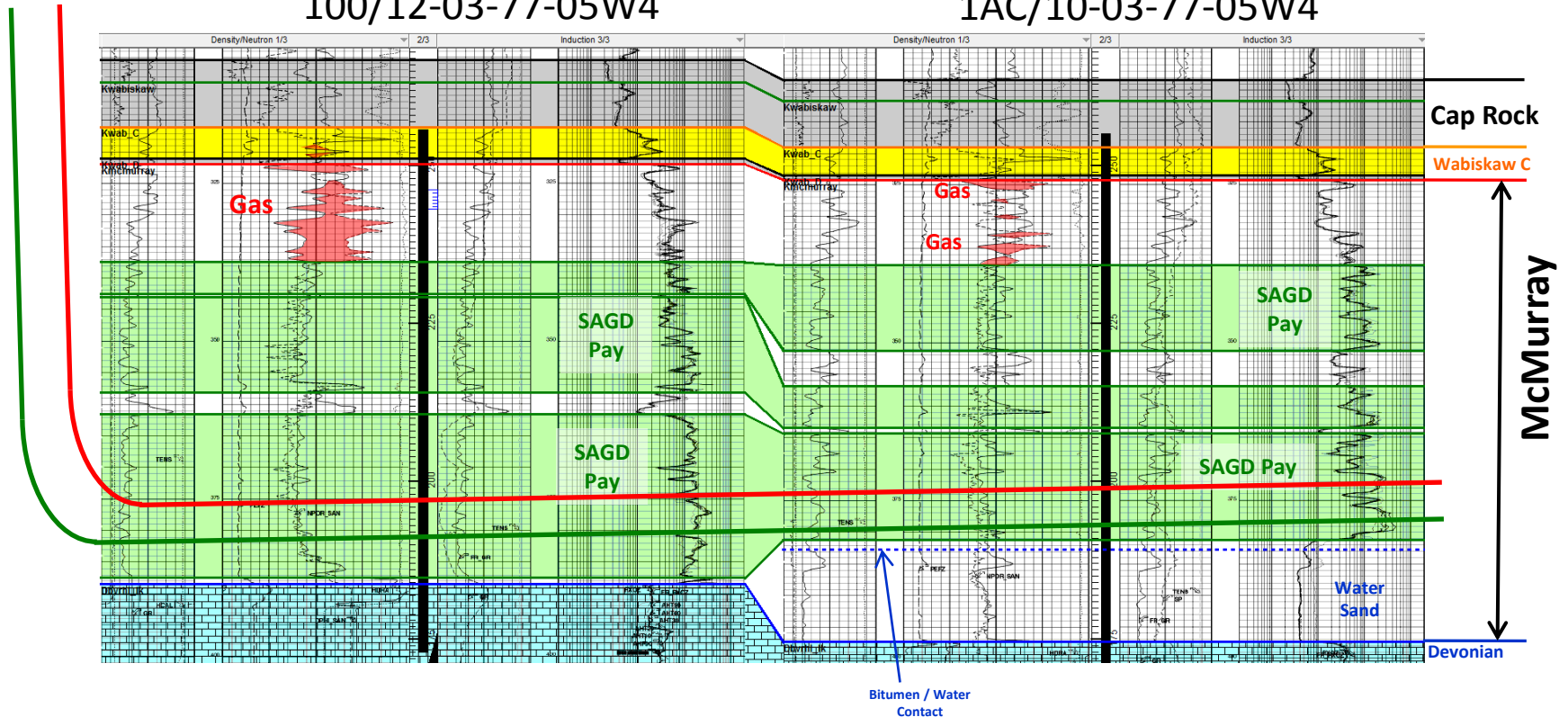
CLRP Pattern M SAGD Development



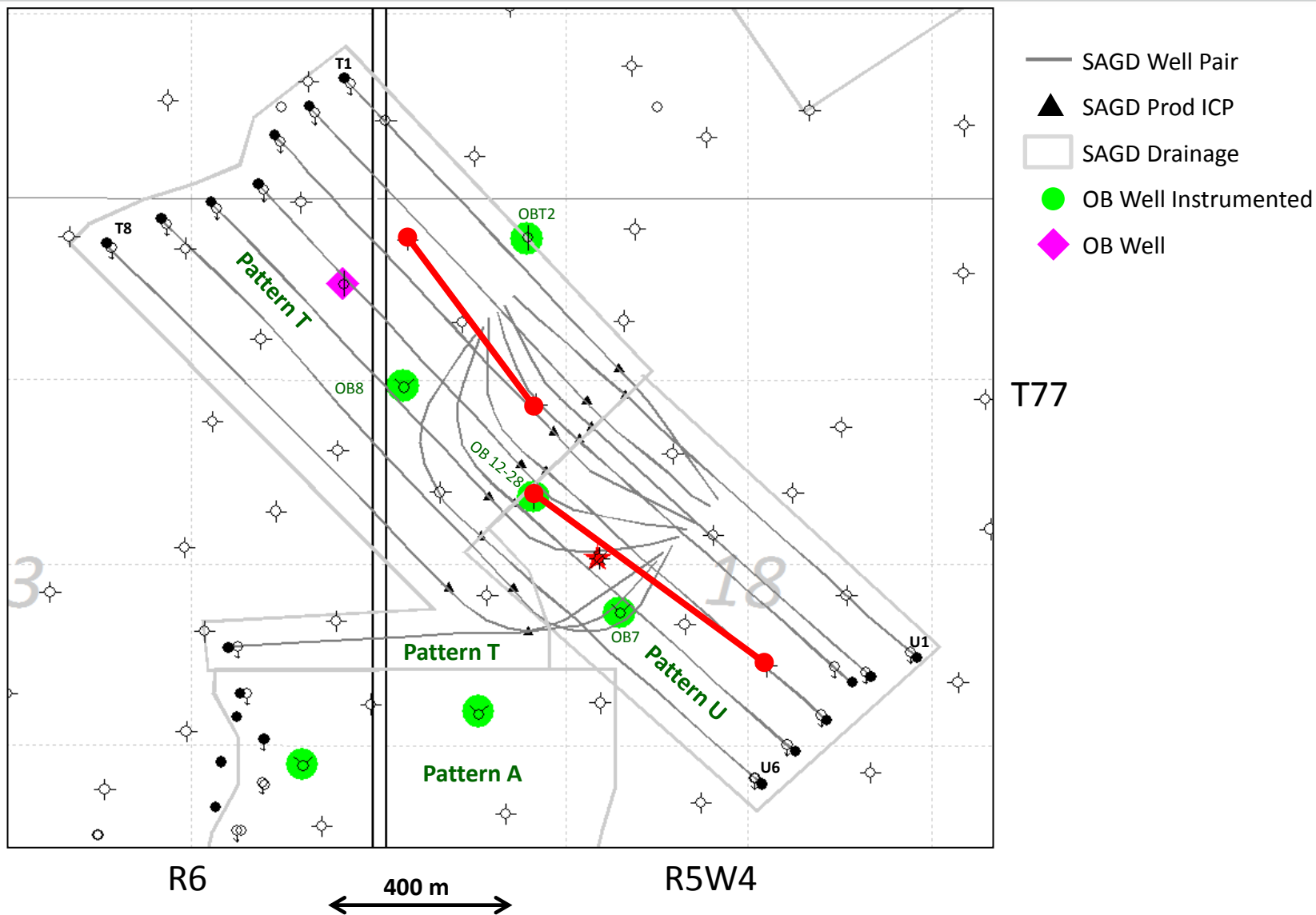
CLRP Pattern N SAGD Development

100/12-03-77-05W4

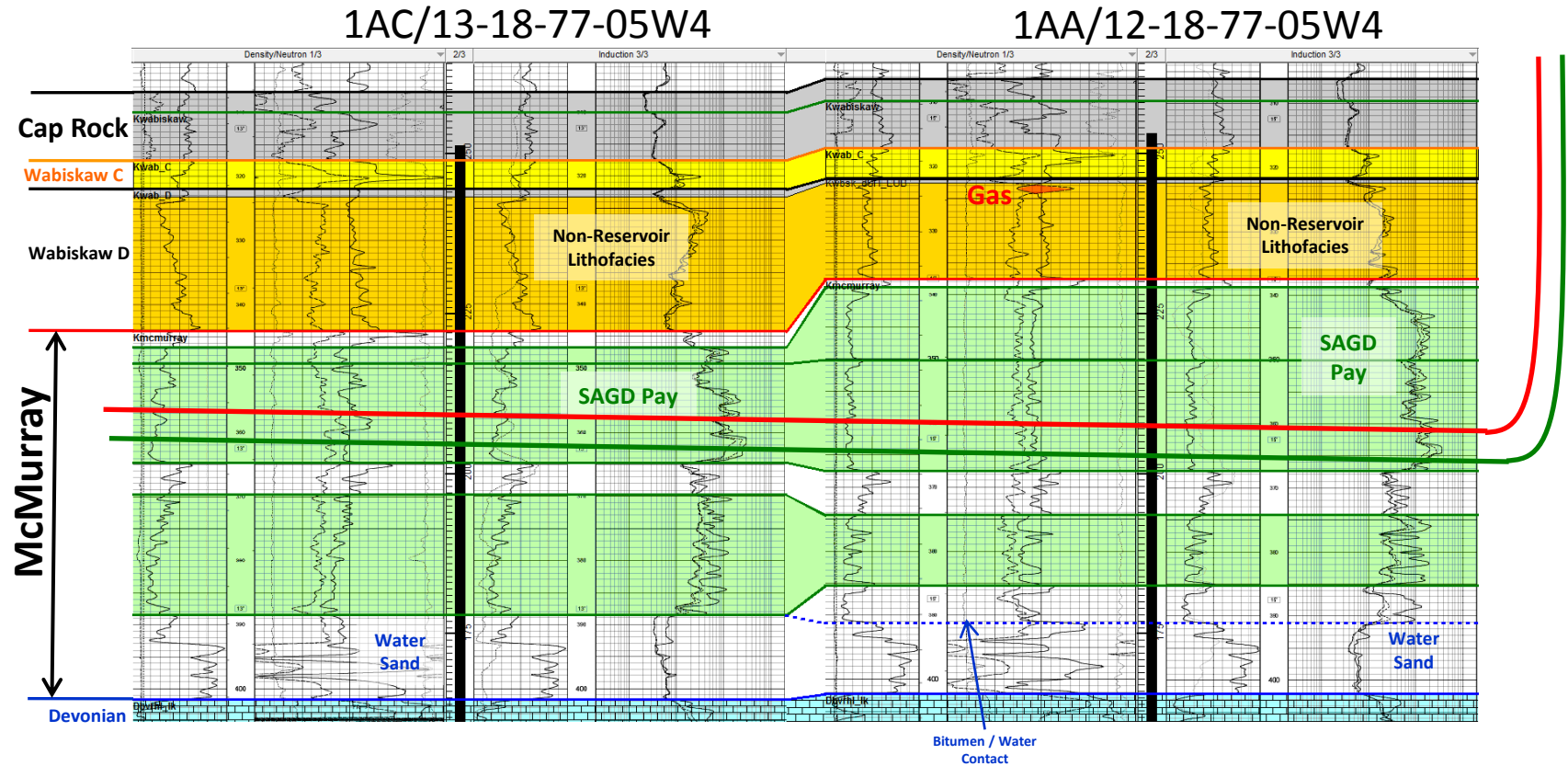
1AC/10-03-77-05W4



CLRP T & U SAGD Development



CLRP Pattern T SAGD Development

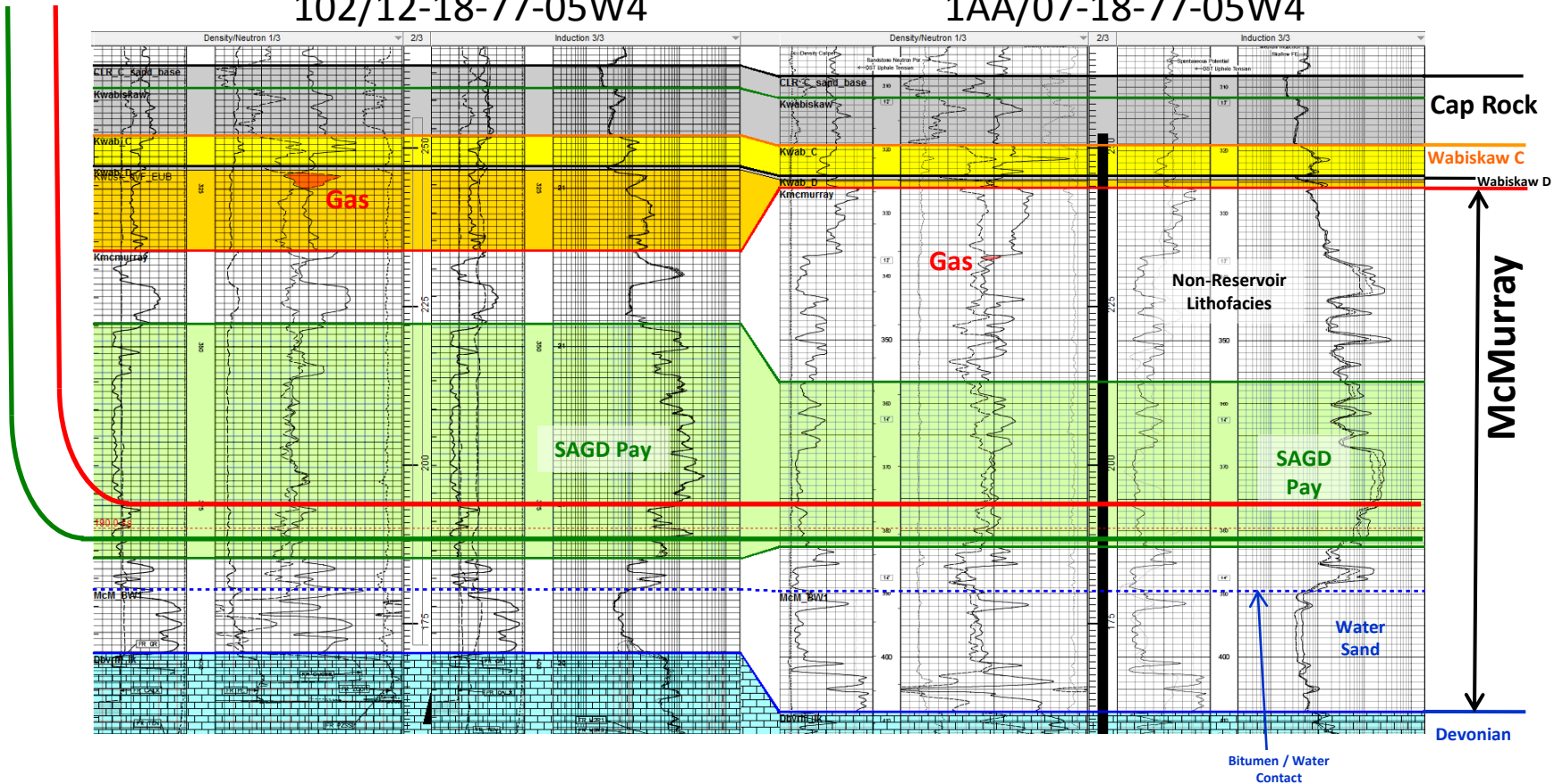


Lower sands to be developed at a later date

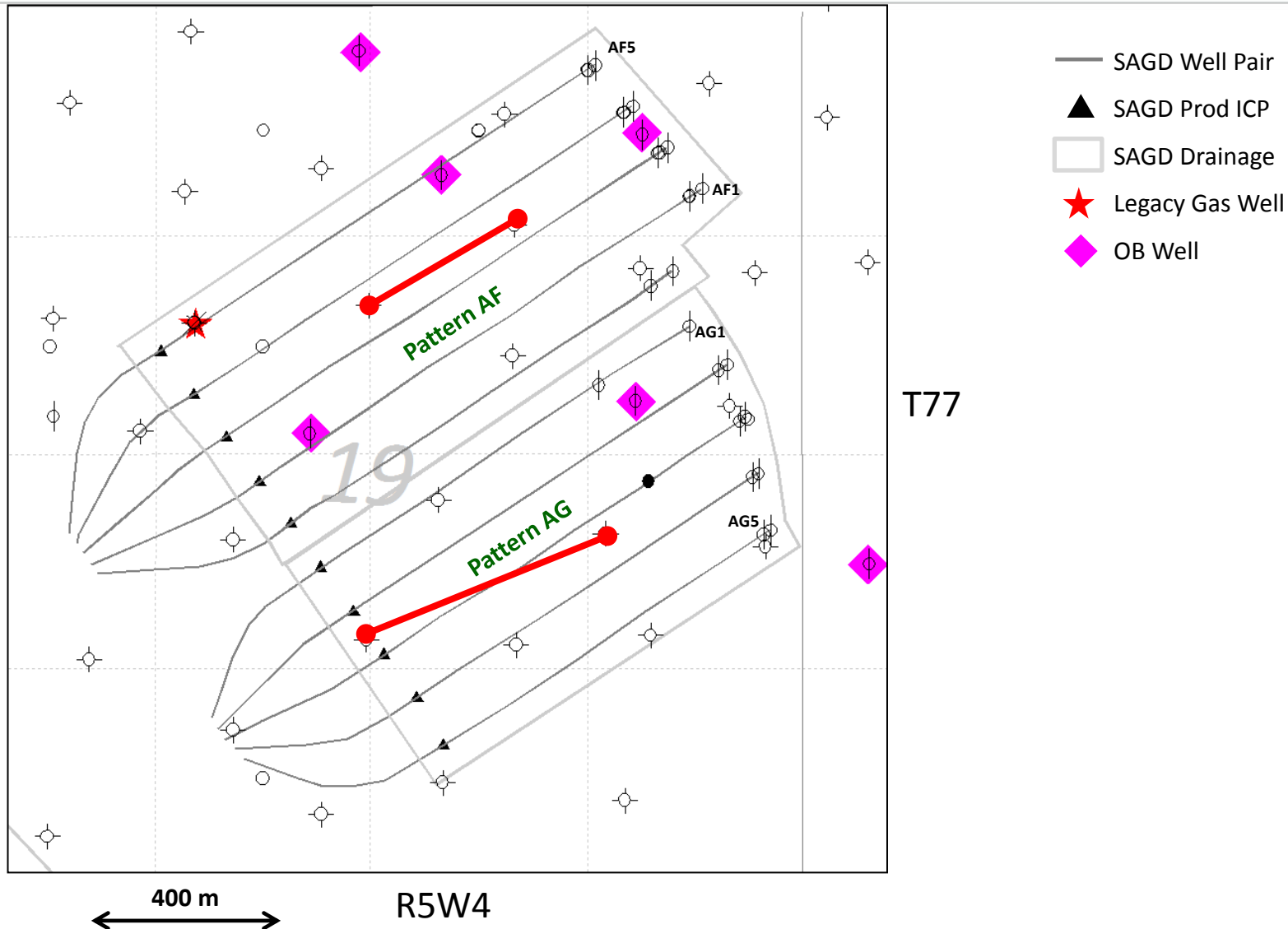
CLRP Pattern U SAGD Development

102/12-18-77-05W4

1AA/07-18-77-05W4



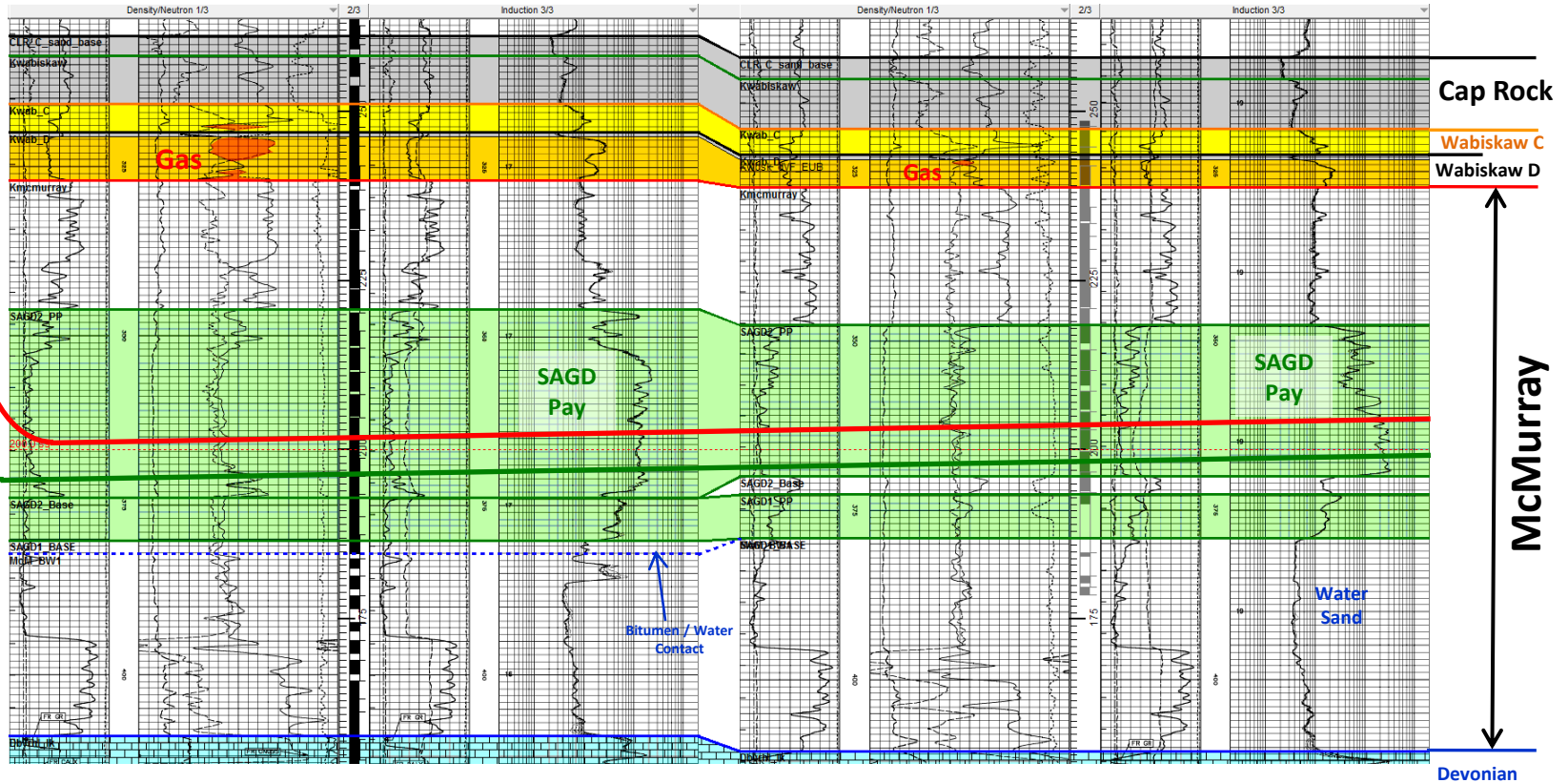
CLRP AF & AG SAGD Development



CLRP Pattern AF SAGD Development

1AB/11-19-77-05W4

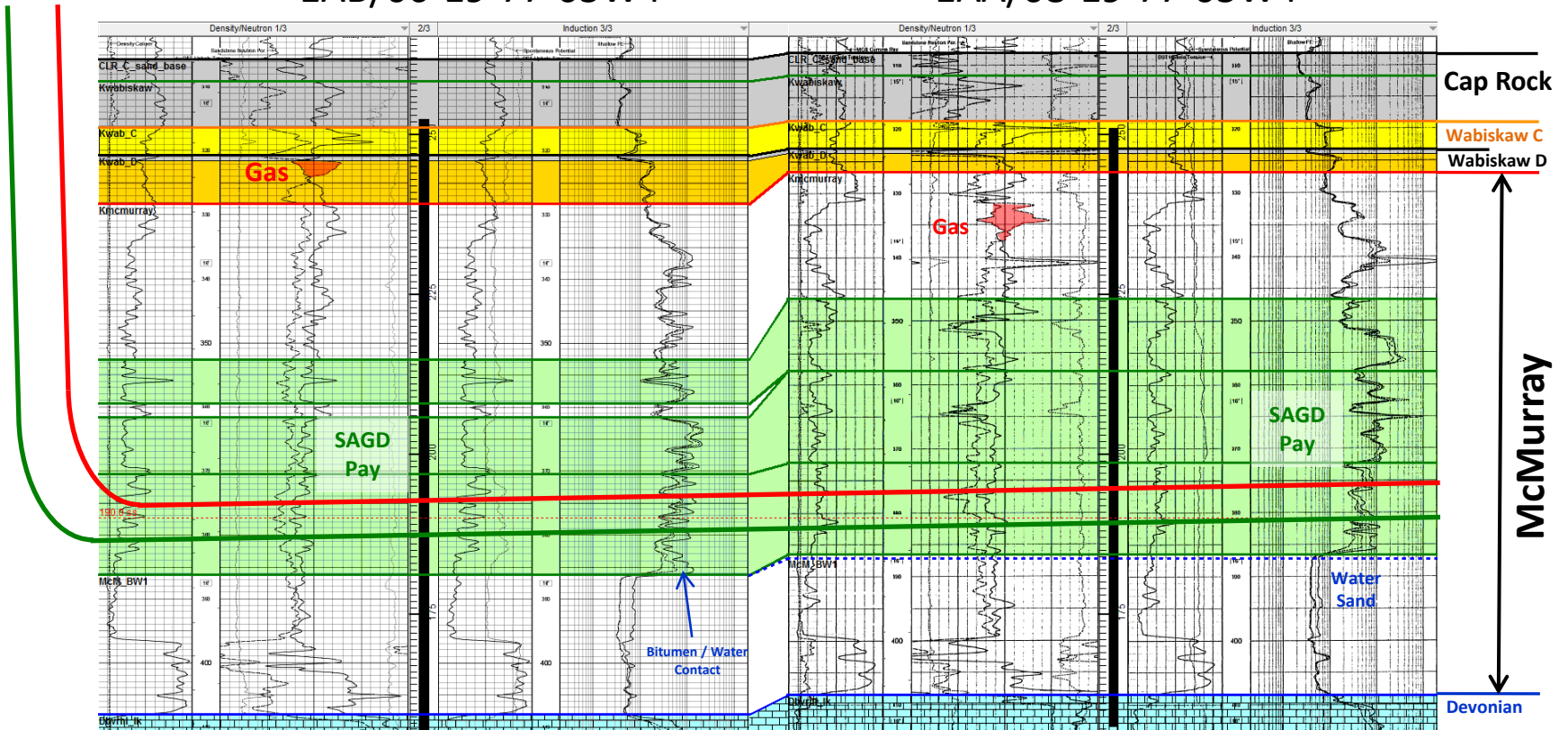
1AB/15-19-77-05W4



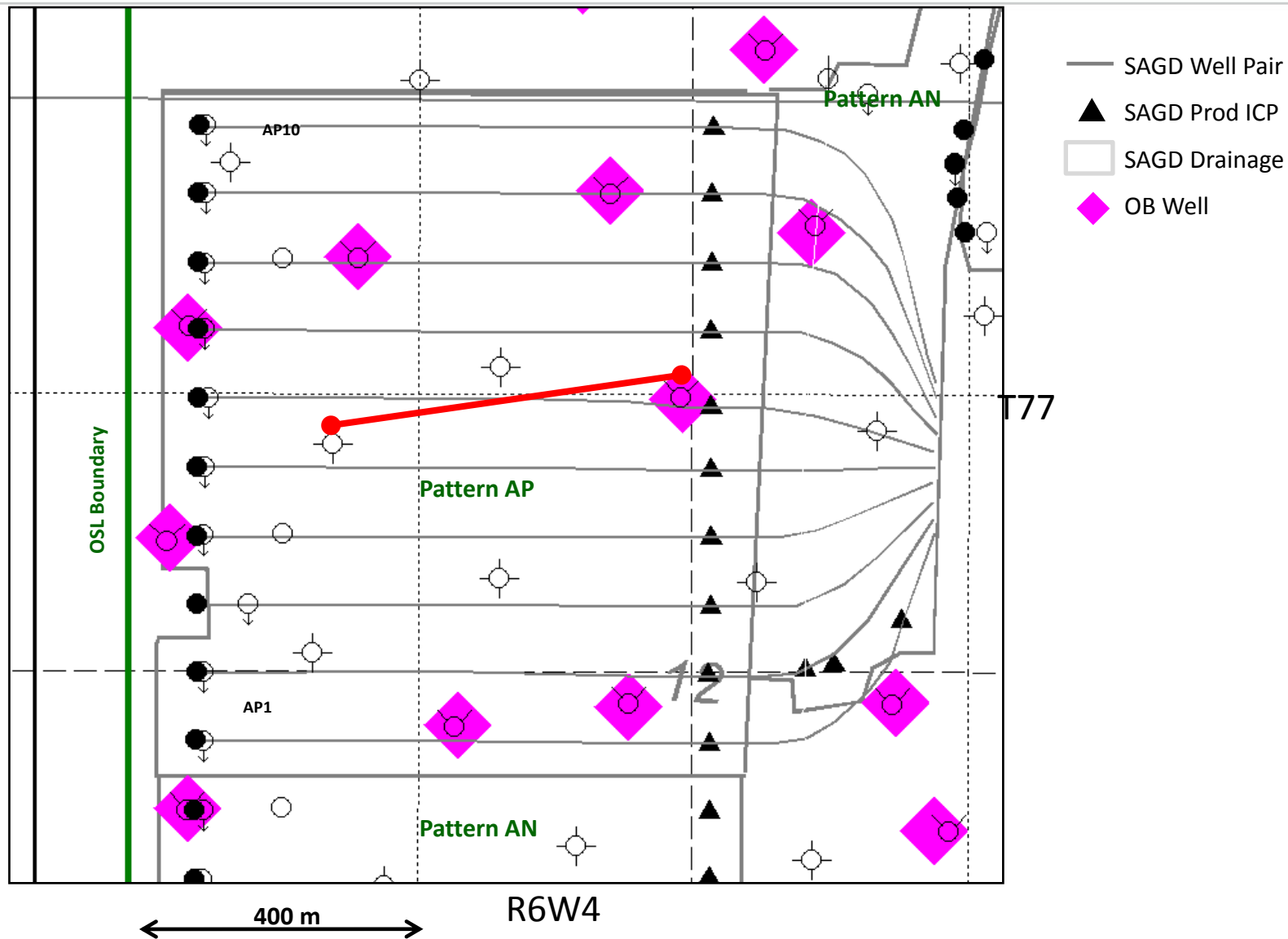
CLRP Pattern AG SAGD Development

1AB/06-19-77-05W4

1AA/08-19-77-05W4



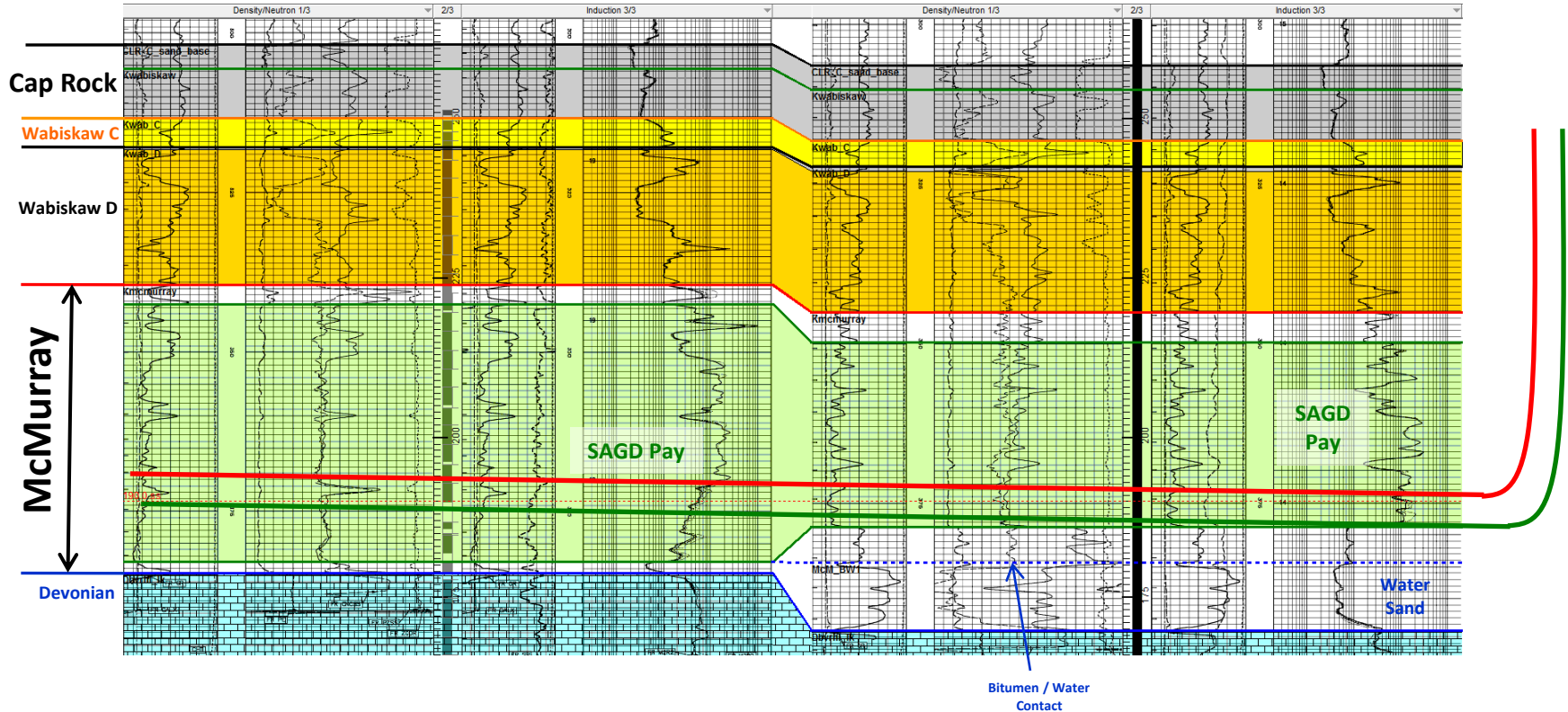
CLRP AP SAGD Development



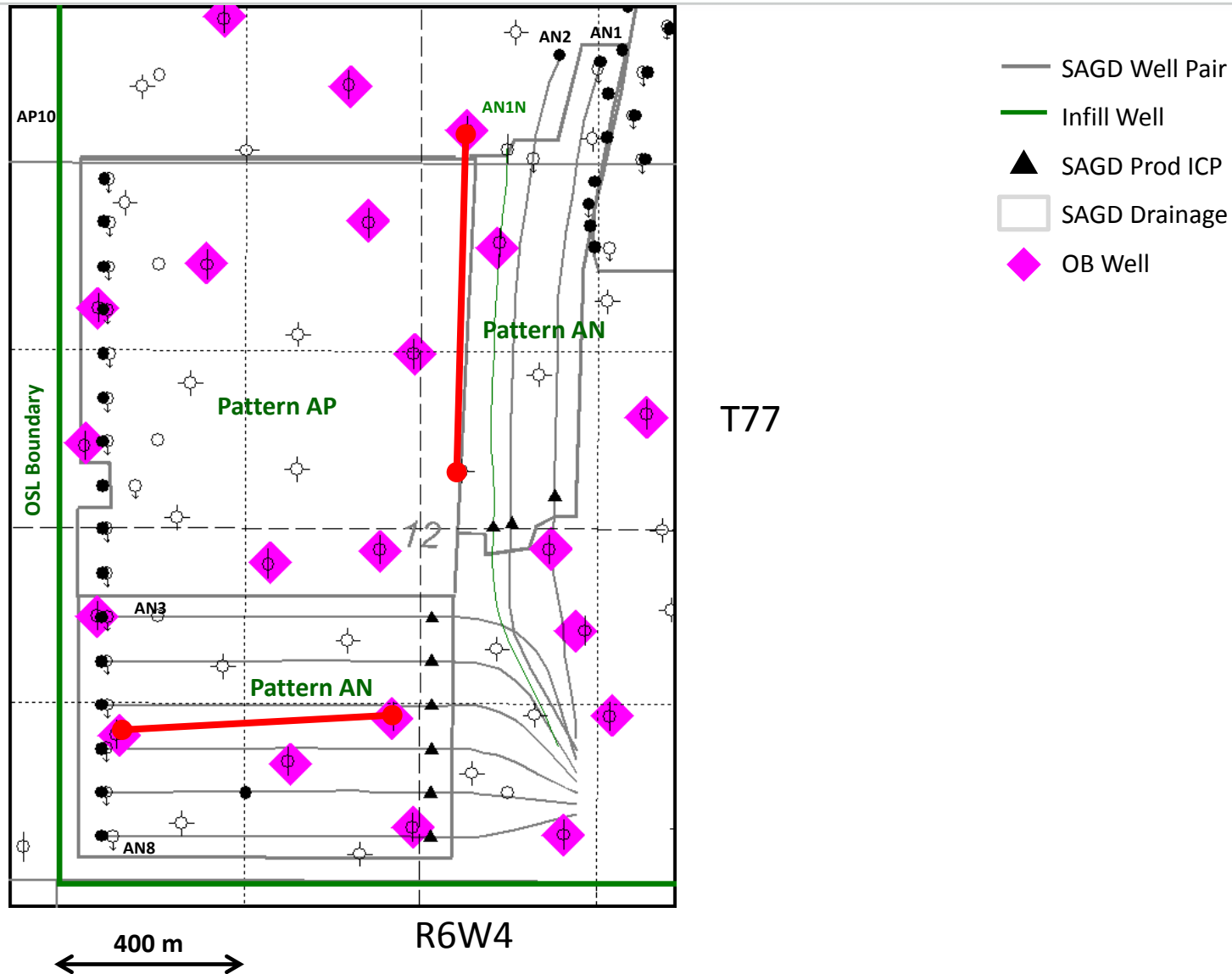
CLRP Pattern AP SAGD Development

1AB/12-12-77-06W4

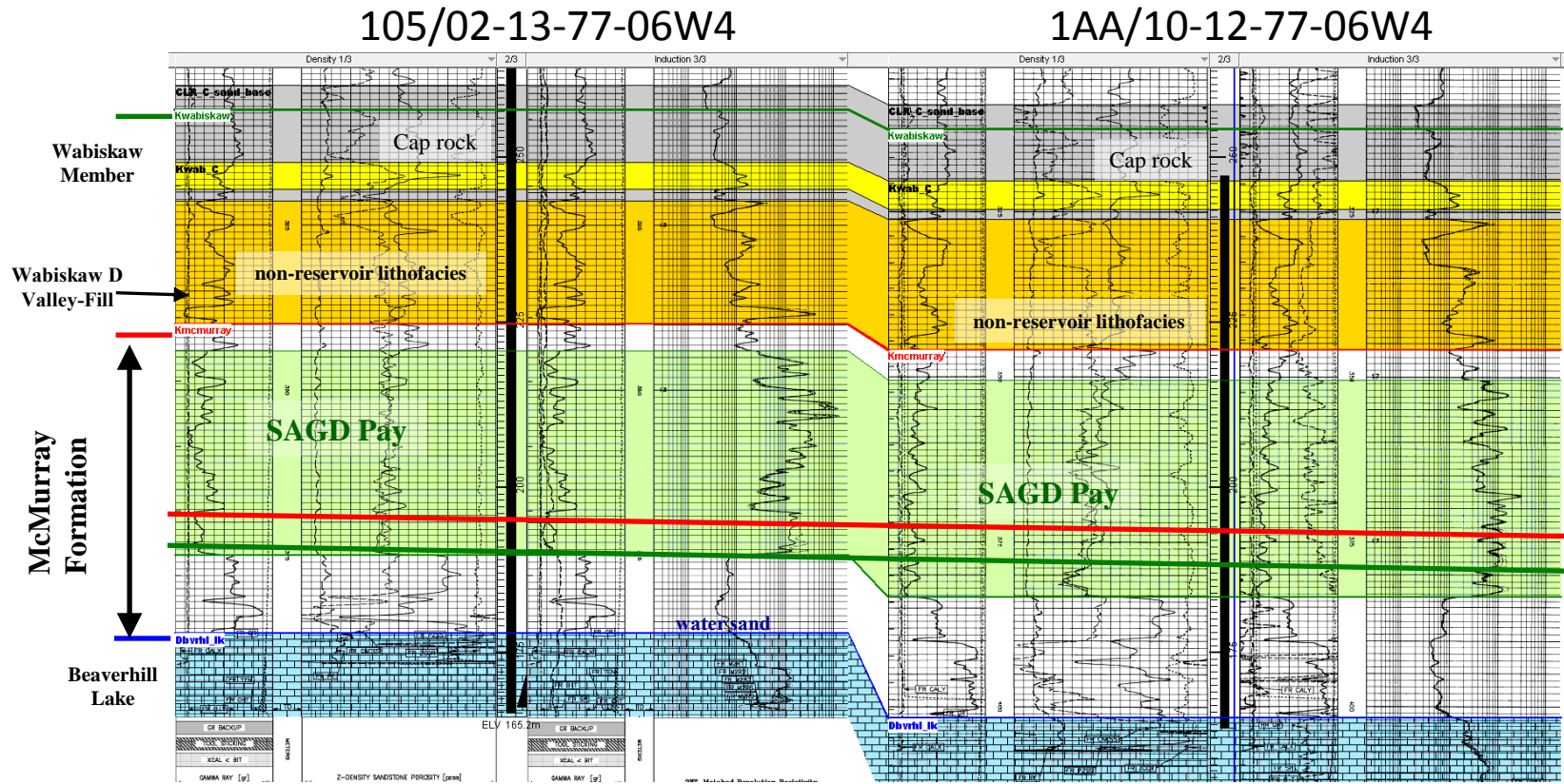
100/11-12-77-06W4



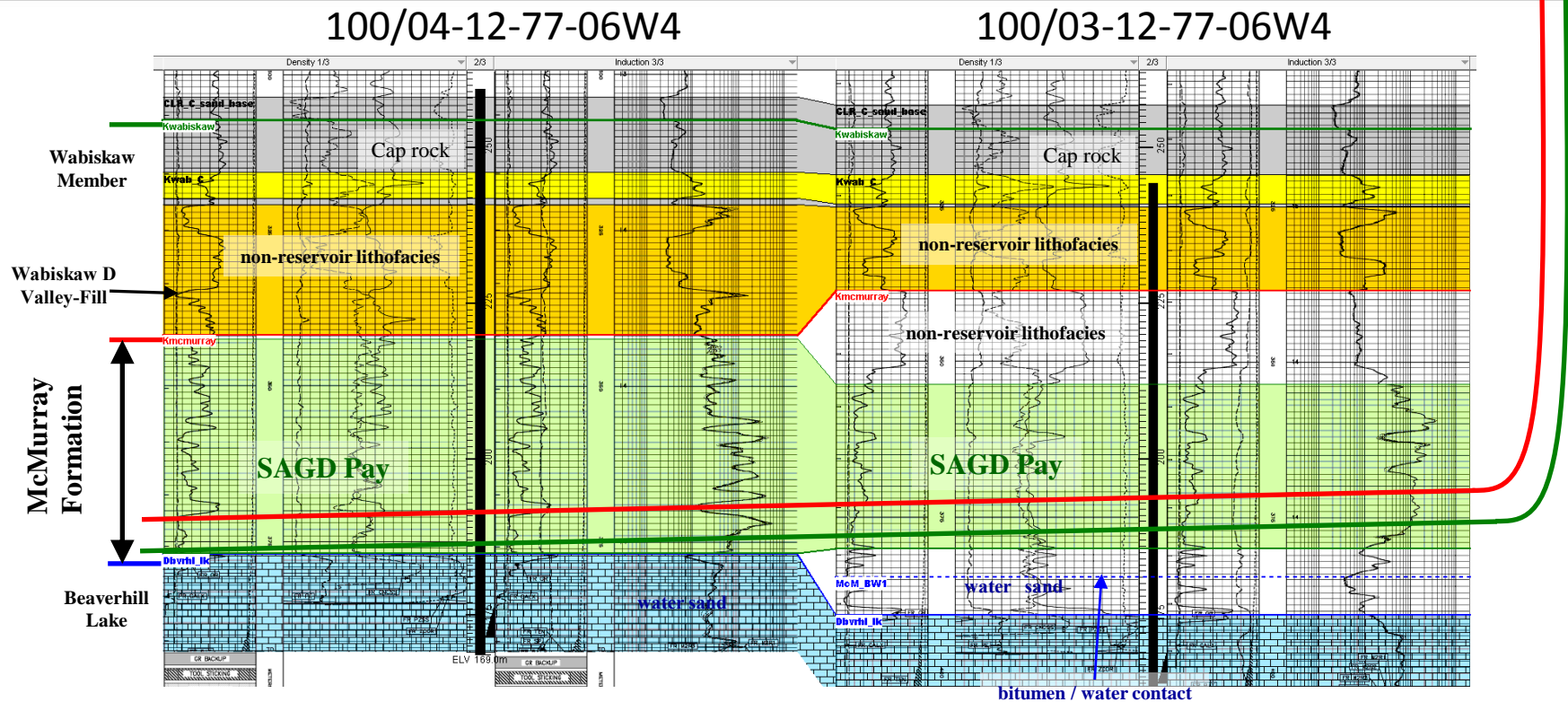
CLRP AN SAGD Development



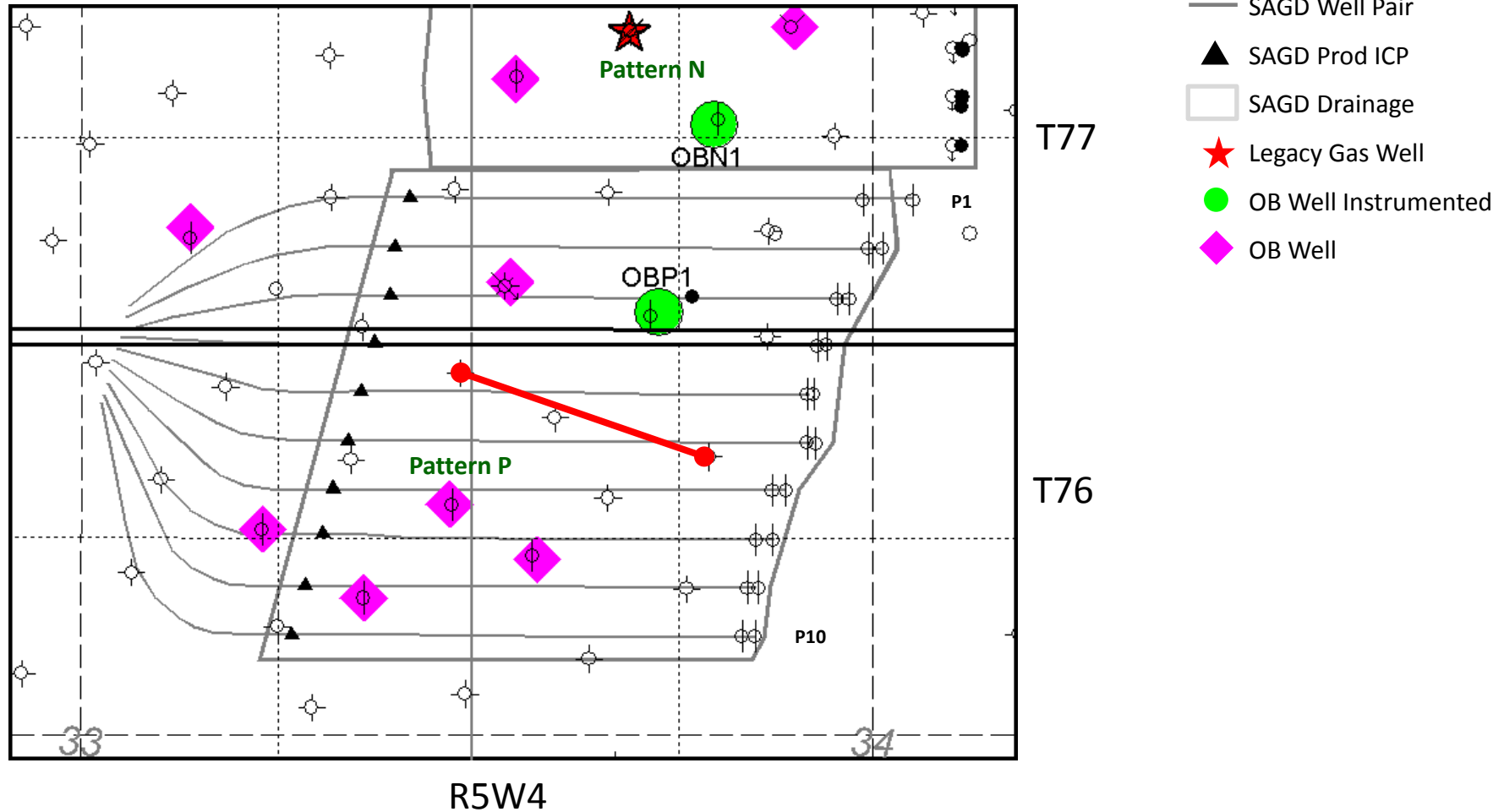
CLRP Pattern AN SAGD Development



CLRP Pattern AN SAGD Development



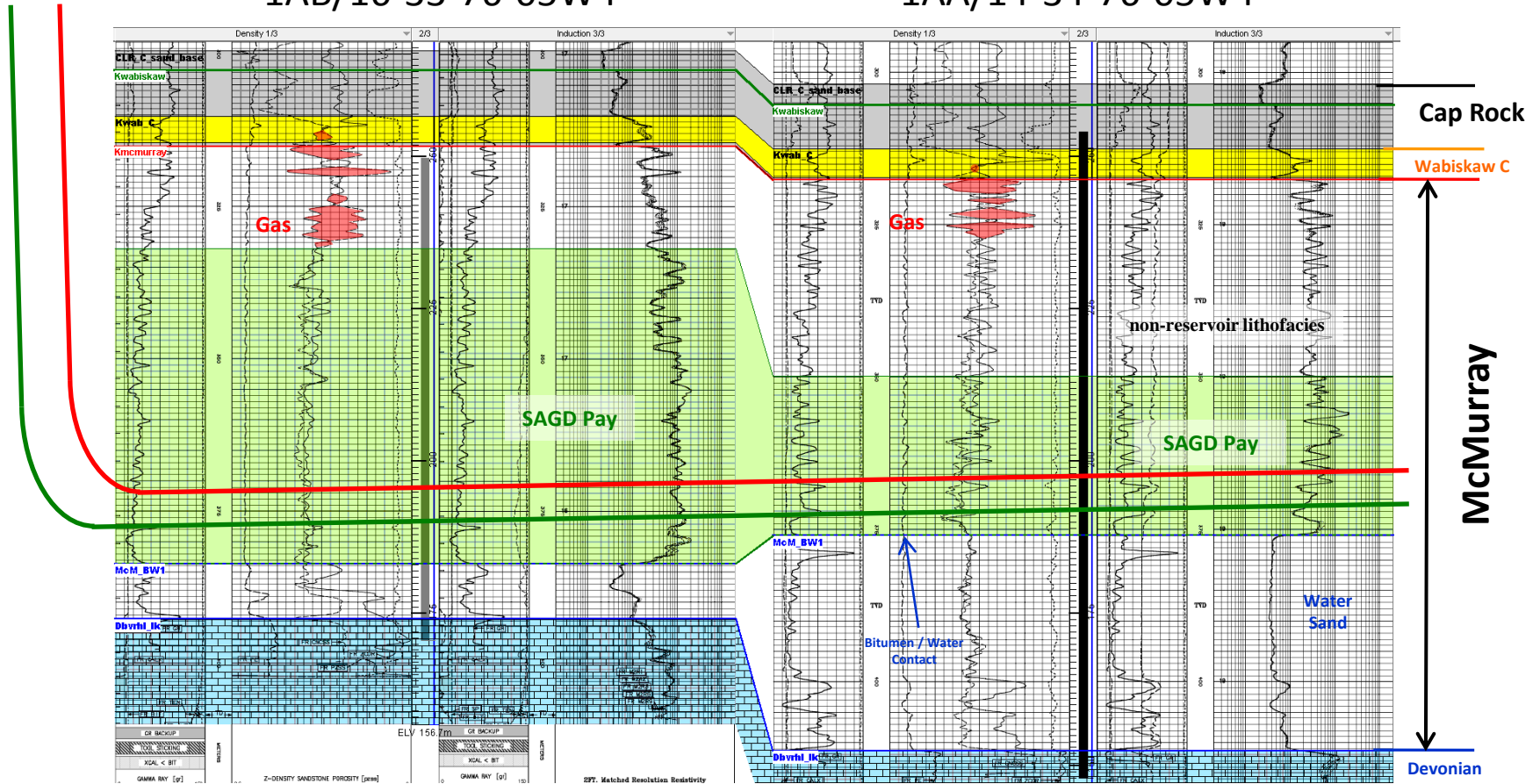
CLRP P SAGD Development



CLRP Pattern P SAGD Development

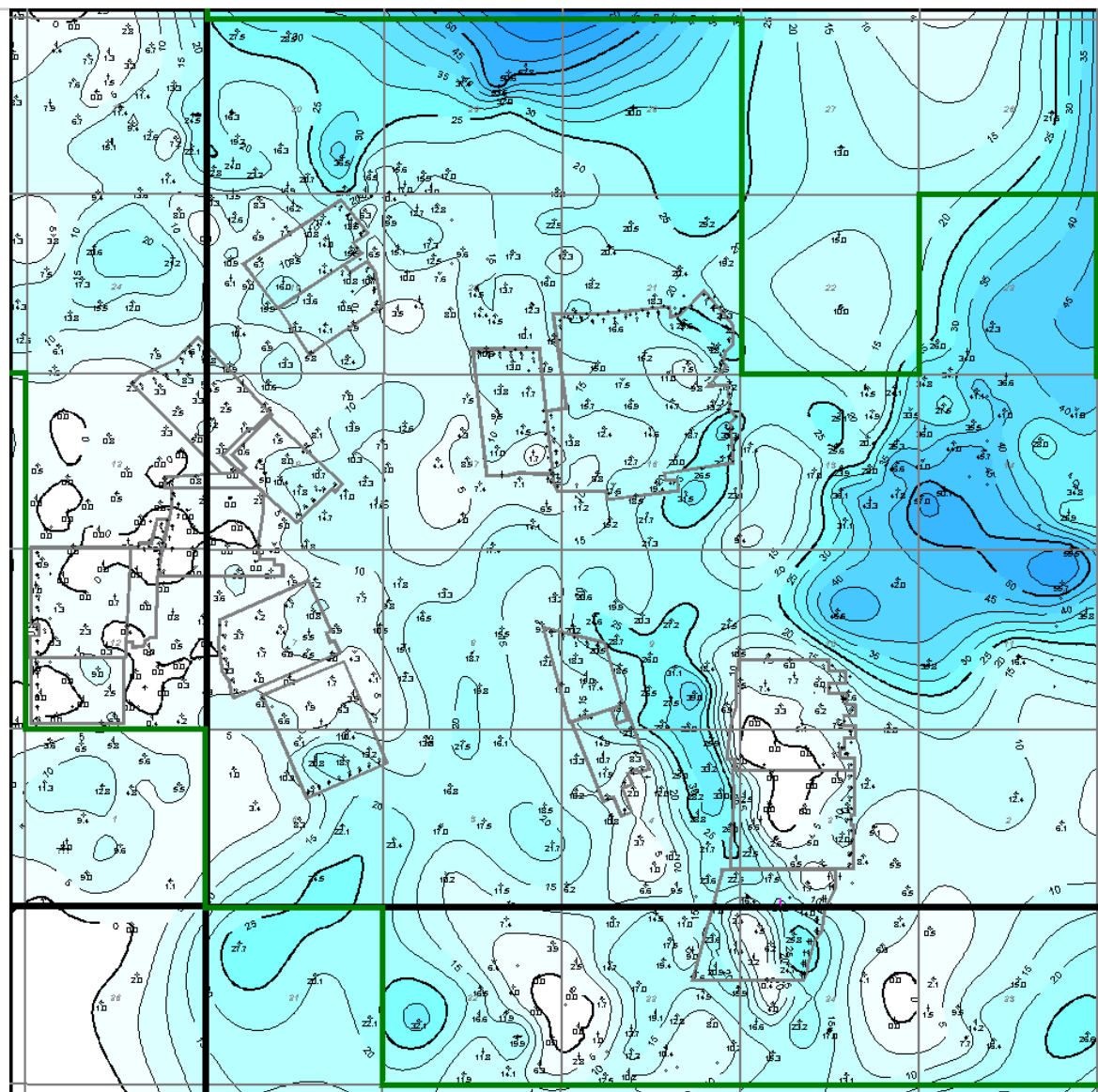
1AB/16-33-76-05W4

1AA/14-34-76-05W4





CLRP ADA Basal McMurray Net Water Isopach



- CLRP Project Area
- Drilled SAGD Patterns

T77

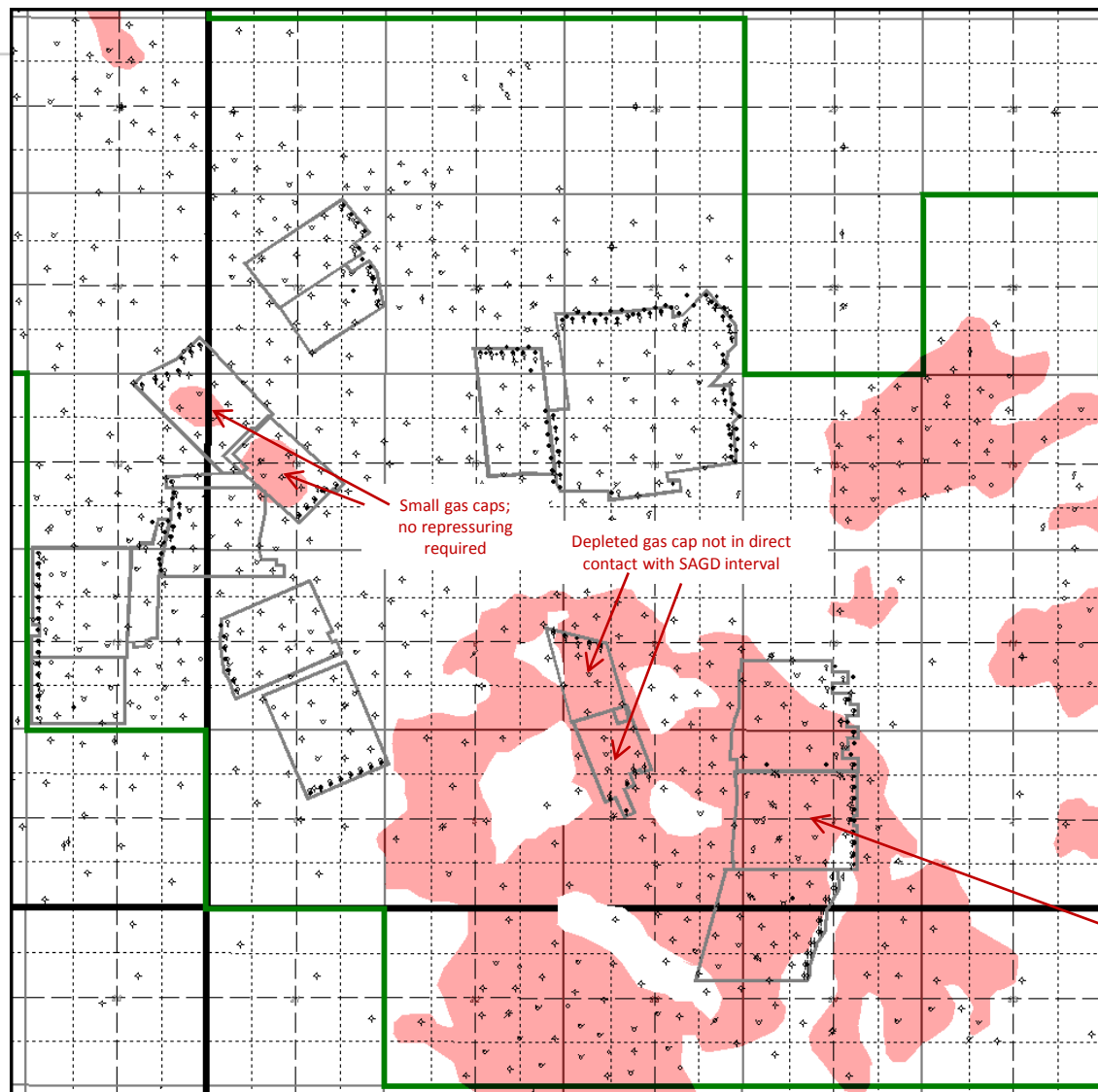
T76

Contour Interval = 5 m

R6

R5W4

CLRP ADA Associated McMurray Gas Pools



- MEG OSL
- Drilled SAGD Patterns
- Gas Pool in direct and indirect contact with SAGD interval

T77

Low gas cap pressure due to legacy gas production;
MEG is repressuring gas cap

T76

R6

R5W4

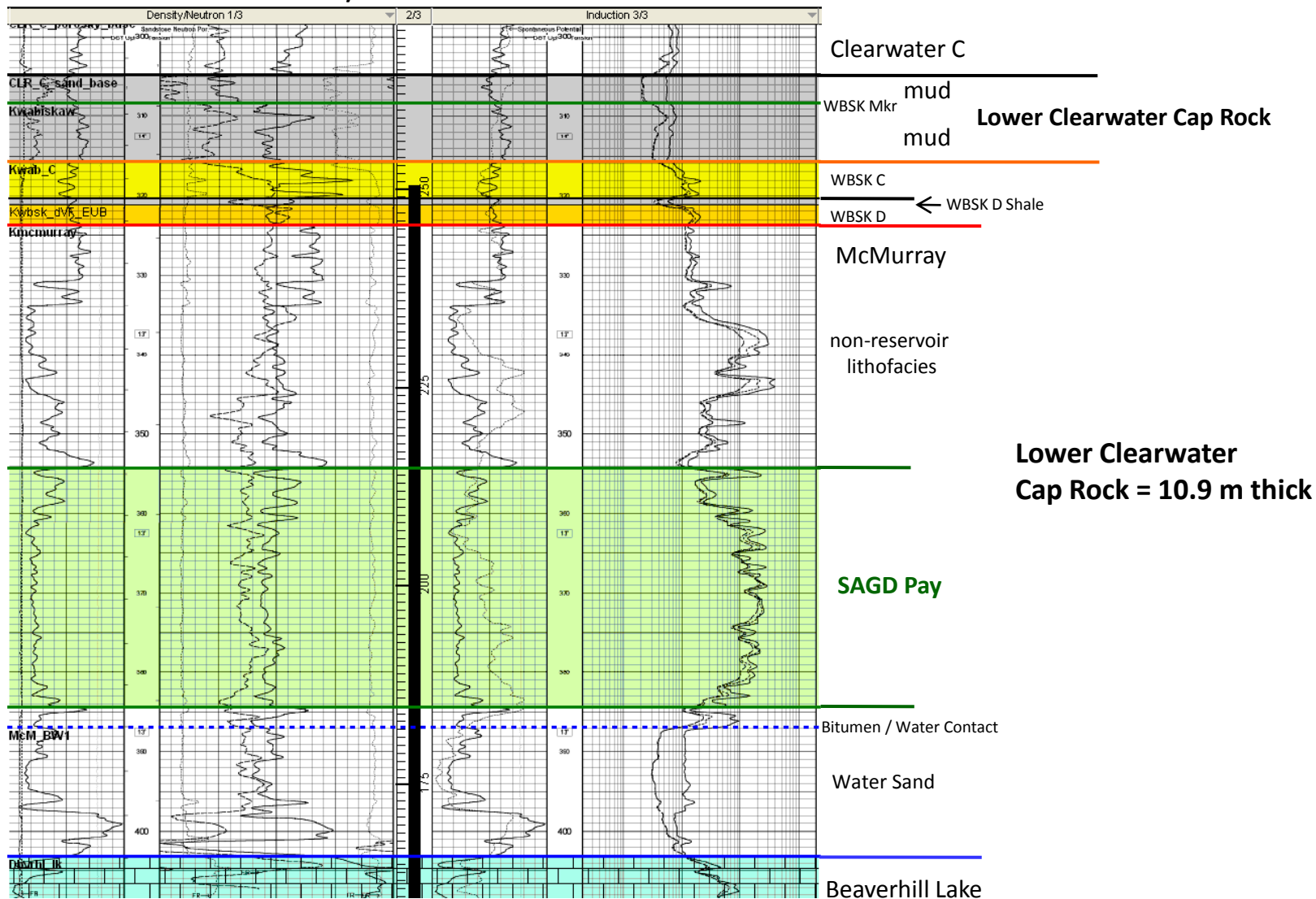
Note:

Not all SAGD intervals in the pool wells are directly connected to associated gas



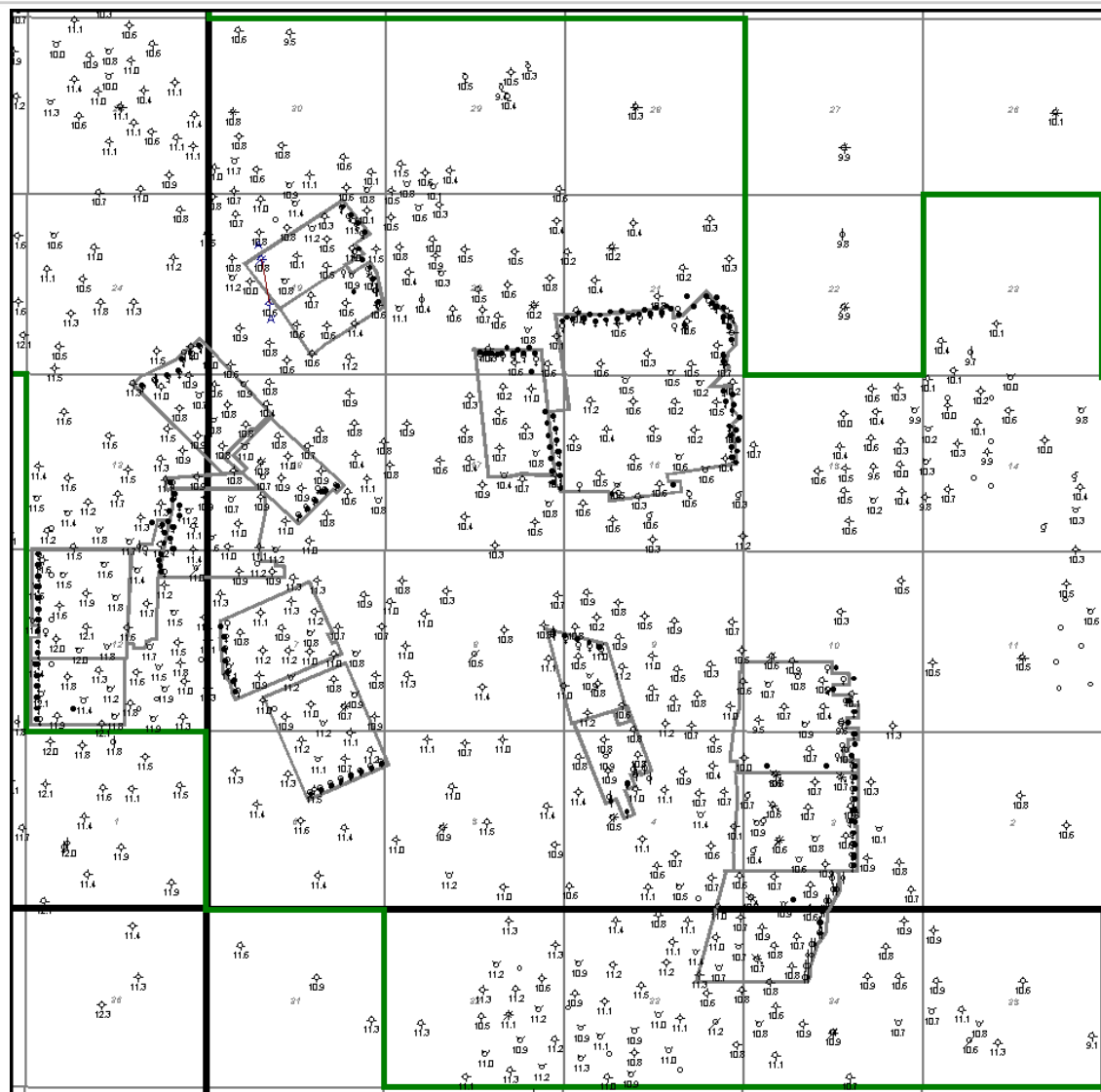
CLRP Lower Clearwater Cap Rock

1AE/06-18-77-05W4





CLRP ADA Lower Clearwater Cap Rock



- CLRP Project Area
- Drilled SAGD Patterns

T77

Active Development Area

Average Cap rock Thickness = 10.8 m

Minimum Thickness = 8.6 m

Maximum Thickness = 13.1 m

T76

Thickness in Metres

R6

R5W4

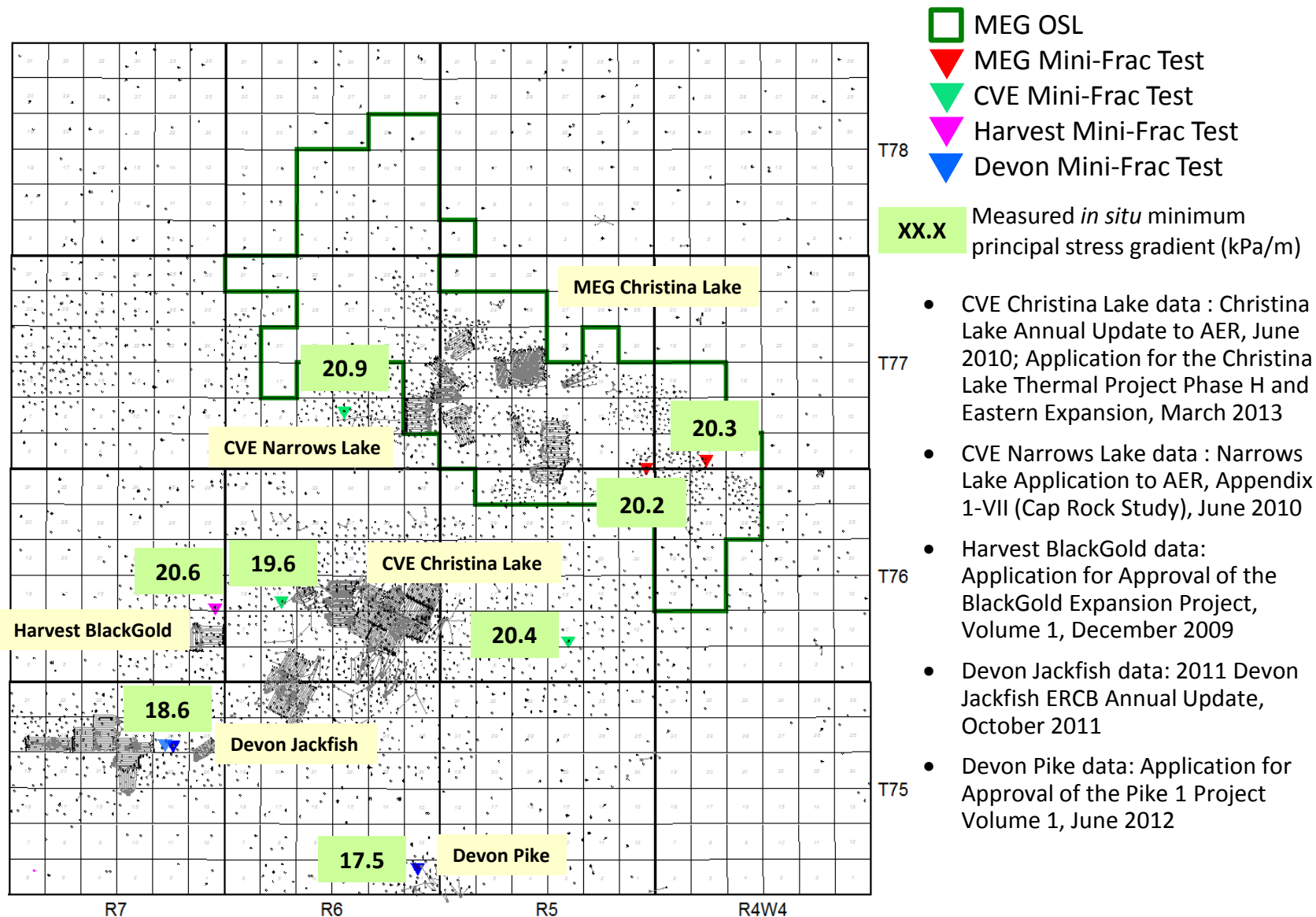


CLRP Lower Clearwater Cap Rock Testing

- The measured minimum *in situ* principal stress gradient in the Clearwater cap rock is approximately 20 kPa/m. This gradient coincides with the weight of the overburden as derived from density logs indicating the minimum principal stress is in the vertical direction, i.e., if fracturing were to occur, it is likely in the horizontal direction.
- For a typical cap rock depth of 320 m in the CLRP area, the minimum principal stress is 6,400 kPa. This is more than twice the anticipated steady state SAGD operating pressure.
- The measured minimum *in situ* principal stress gradient in the McMurray oil sands is slightly lower at approximately 18 kPa/m. This indicates the minimum principal stress is likely in the horizontal direction, i.e., if fracturing were to occur, it is likely in the vertical direction.
- Quote from BitCan Geosciences & Engineering Inc.:
 - *“...if a vertical fracture inadvertently propagated out of the payzone into the cap rock, it would eventually turn horizontal. This is due to the in-situ stress regime in the caprock favoring horizontal fractures. Therefore, the vertical fracture extending upwards from the payzone is arrested in the caprock and does not propagate further upwards, i.e., it cannot form the hydraulic conduit connecting the payzone and aquifers.”*
- MEG's measurements are consistent with other operators' mini-frac results in the Christina Lake area.

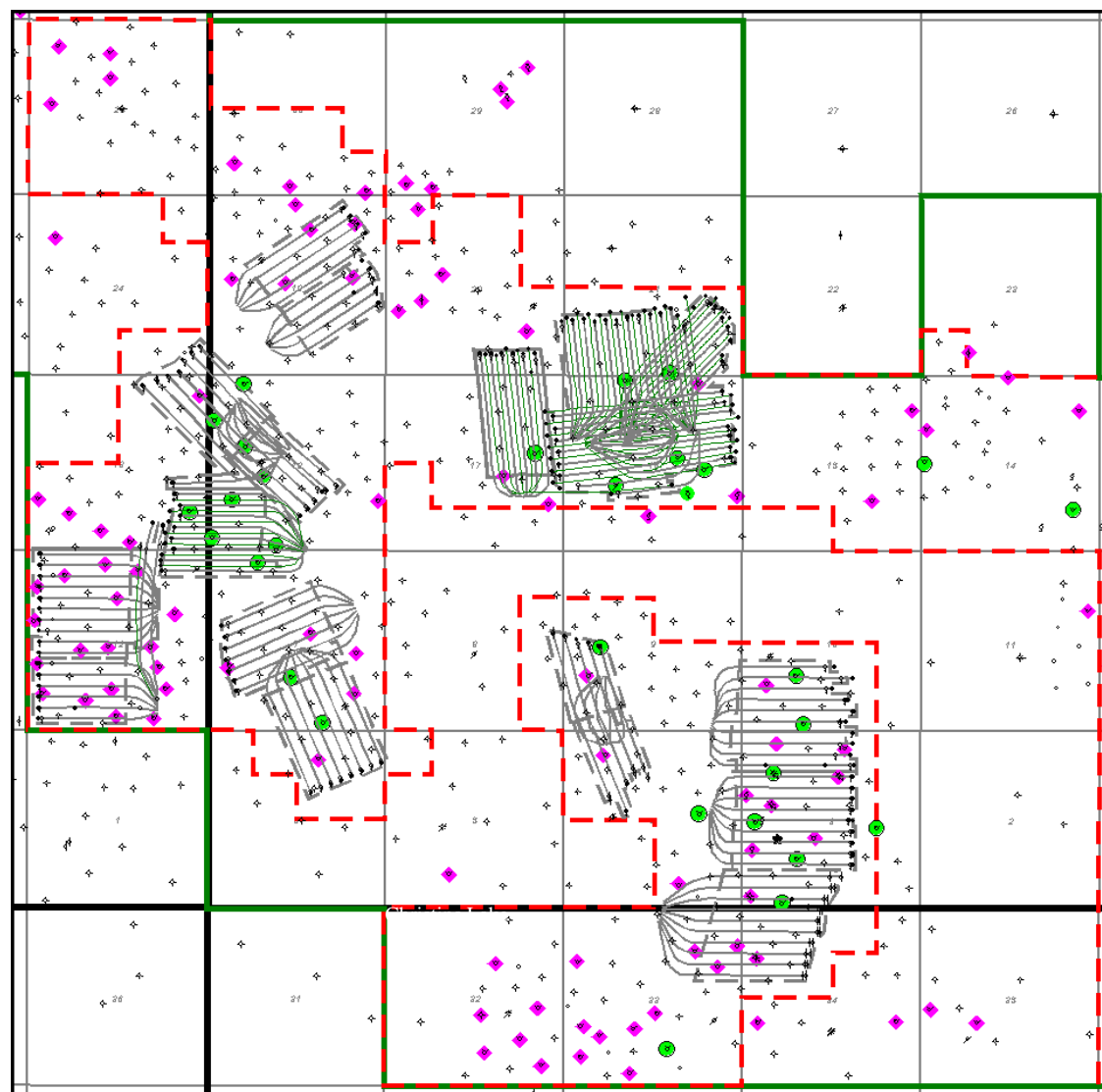


Regional Cap Rock Mini-Frac Test Results





CLRP ADA OB and Cased Wells



- MEG OSL
- Approved IDA
- Instrumented OB Wells
- Non-Instrumented OB wells

T77

T76

R6

R5W4

Reservoir





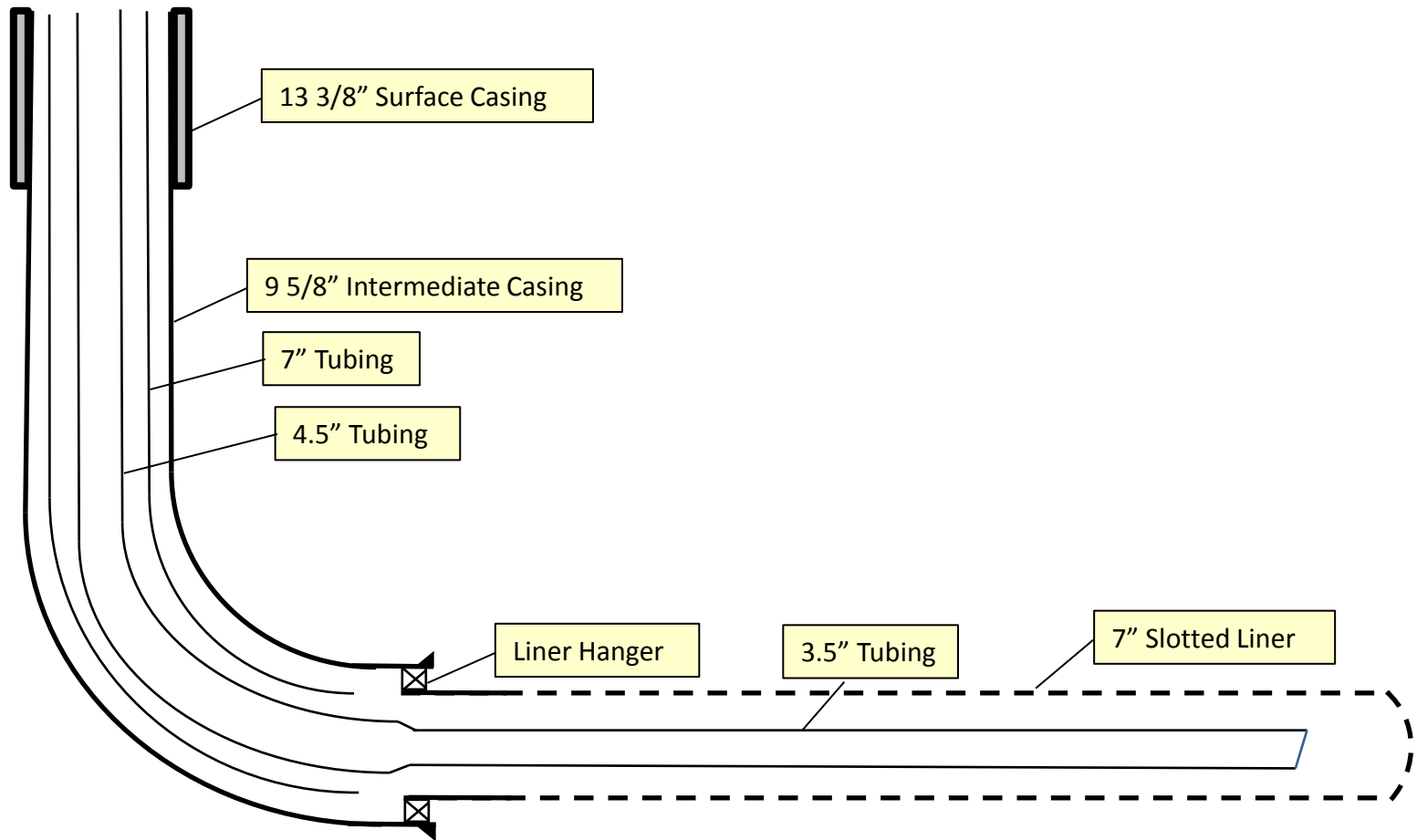
CLRP Reservoir Review

- Wells
 - Schematics
 - Well Integrity Management
 - Work overs
 - Artificial Lift
- Current Performance
 - Field performance
 - Pattern performance
 - eMSAGP update
- Associated gas cap re-pressuring

Wells



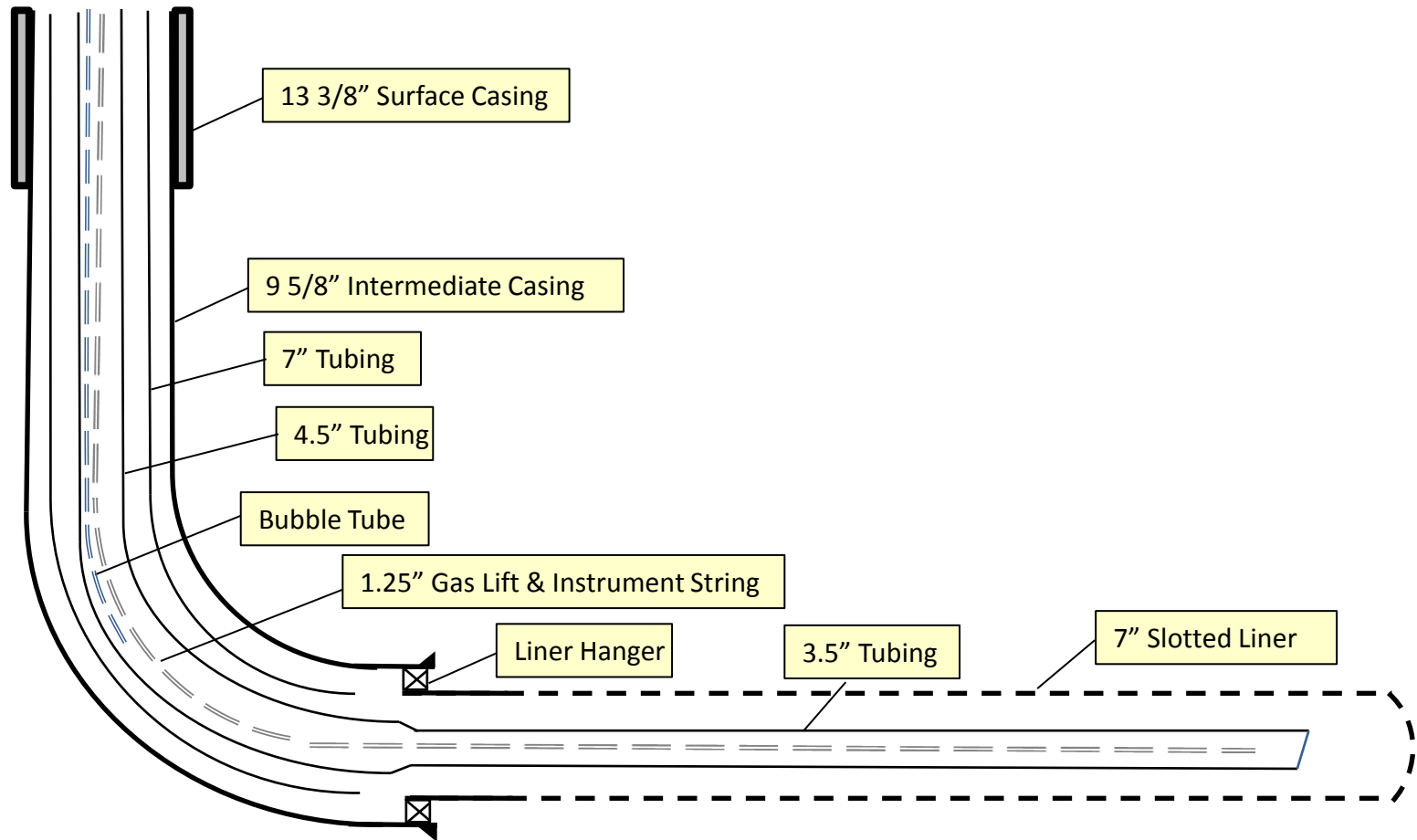
Well Completions – SAGD Injector



- Steam injected into both long tubing and short tubing
- Blanket gas on annulus



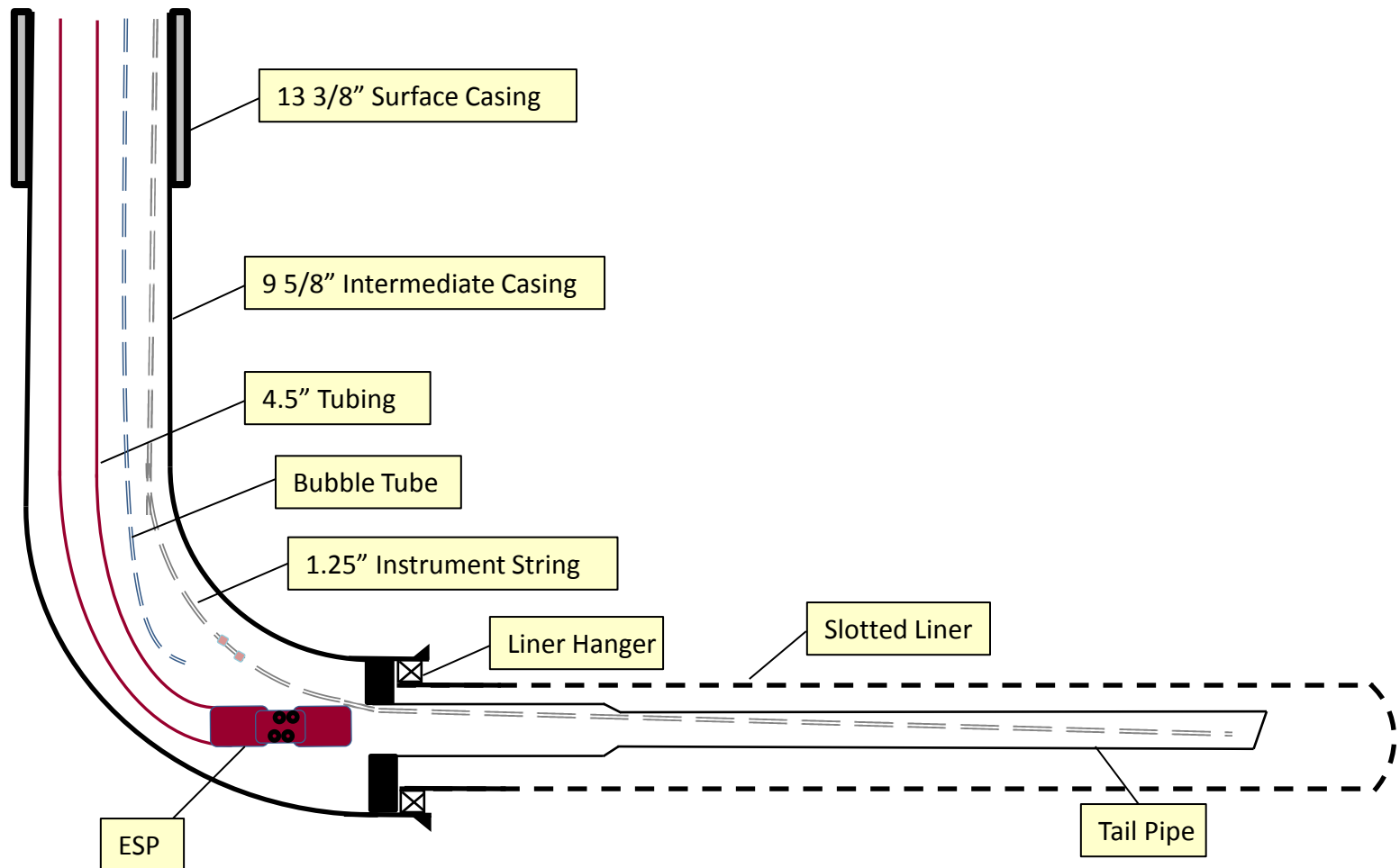
Well Completions – SAGD Producer (Gas Lift)



- Thermocouples are inside the instrument string to provide temperature measurements at selected locations
- Bubble tube landed near bottom of well to provide pressure measurement



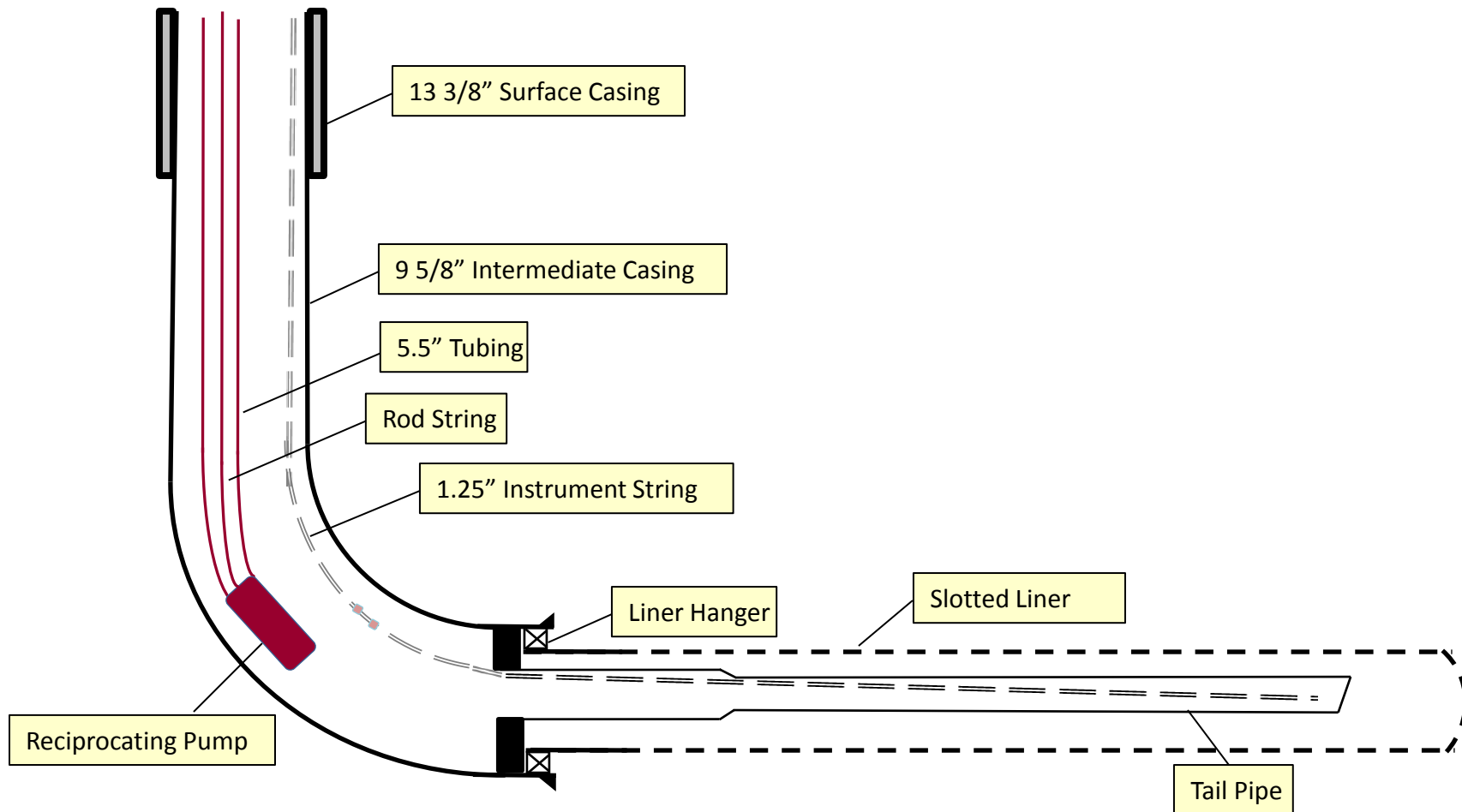
Well Completions – SAGD Producers (ESP)



- Thermocouples are inside the instrument string to provide temperature measurements at selected locations
- Bubble tube is landed near ESP to provide pressure measurement for SAGD producer



Well Completions – Infill Producers



- Thermocouples are inside the instrument string to provide temperature measurements at selected locations
- Bottom hole pressure is estimated from fluid level measurement

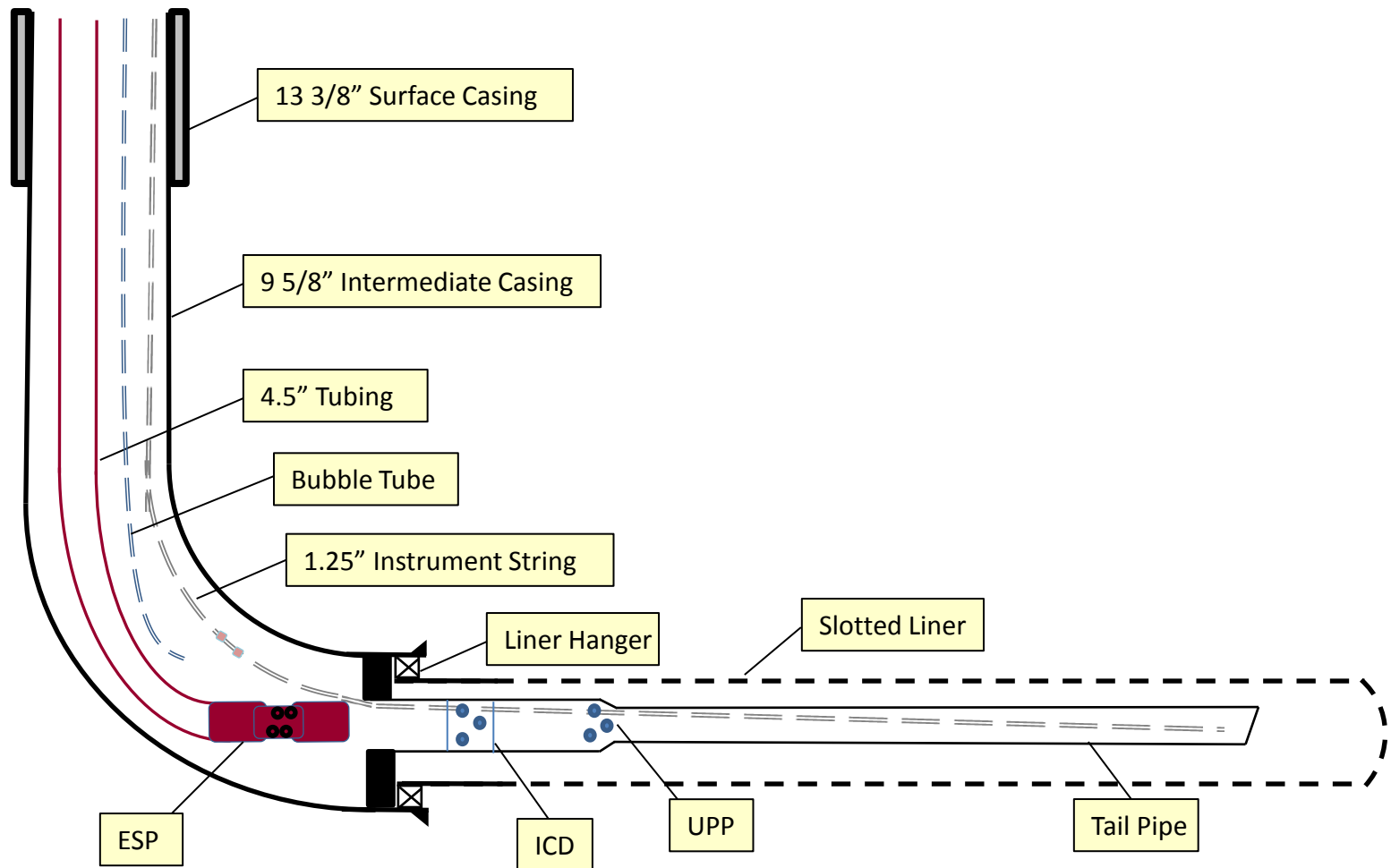


Temperature Measurement

- Have historically relied on four-point thermocouple strings in all SAGD and infill wells due to proven accuracy
- Currently have installed thermal fibre on V Pad infill wells (V2N – V7N) and AF SAGD producers (AF1P – AF5P)
- Thermocouples, while accurate, provide far fewer points of measurement and require a well intervention to replace. In the event of thermocouple failure the replacement could be delayed to coincide with an ESP replacement.
- Early experience with thermal fibre implementation required efforts to ensure accurate calibration, reliability, and data system integration. Increased coverage of temperature profile and ease of replacement can provide better well optimization and protection of slotted liner.
- P Pad, newest SAGD pad scheduled for steam-in Q3 2015, has fibre installed as part of an ongoing evaluation of performance and costs which will determine the choice of technology for future pads



Well Completions – Inflow Control Devices



- Upset production port (UPP) typically consists of located at the crossover from 4.5" to 3.5" tubing and is always open
- Inflow control device typically consists of a sliding sleeve with holes that is initially closed and later opened when the well is mature



ICD Lessons Learned

Early Lessons

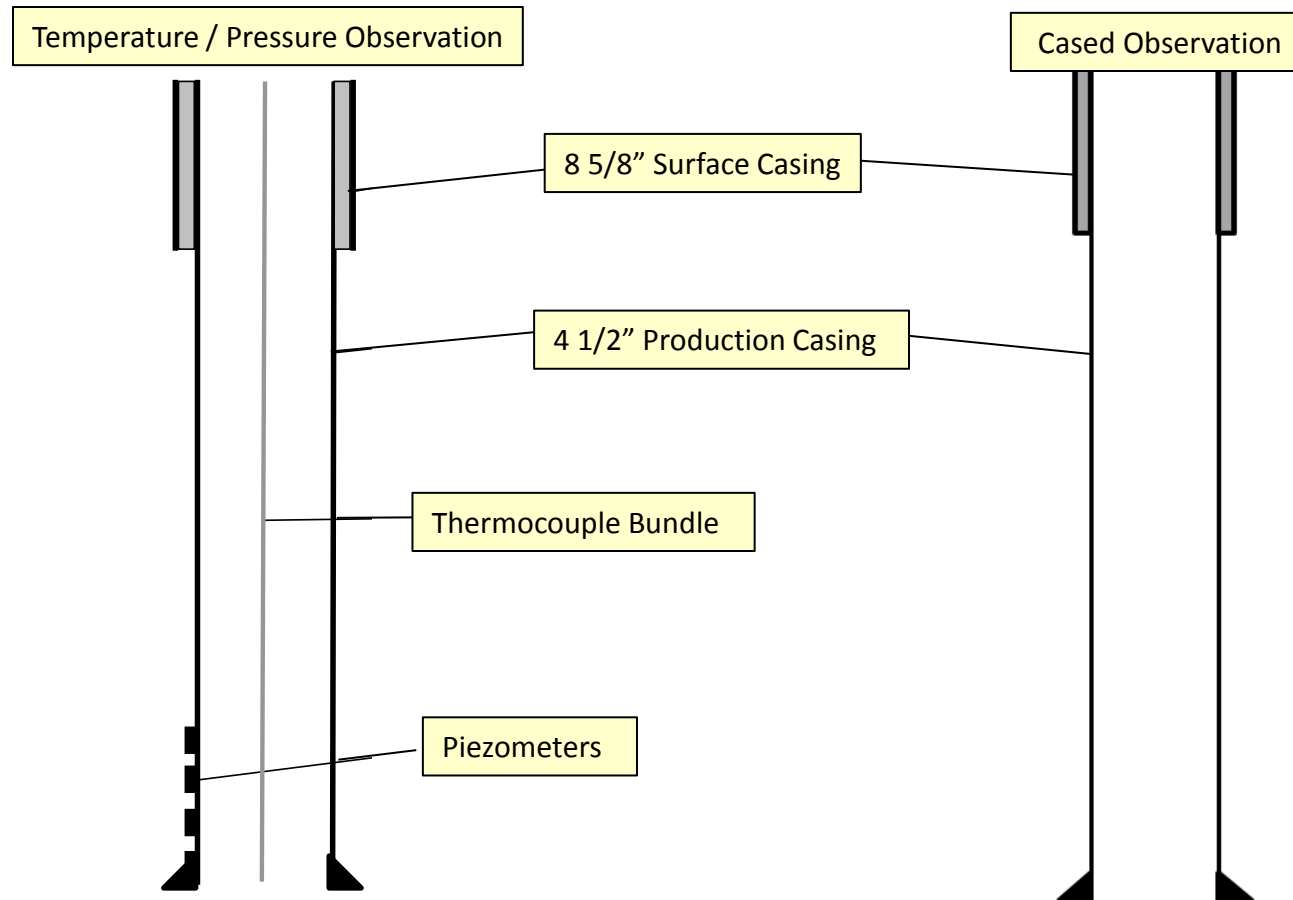
- 10 wells have had ICDs opened as wells reach maturity
- Most have shown an improved rate and good conformance, enabling higher peak production rates without requiring more expensive workovers
- Low cost of initial installation, and flexibility in choosing if or when to open, has led to many new installations while earlier results are being evaluated

Wells with ICDs Installed

- 38 wells have ICDs installed
- M1P, M2P, M3P, M4P, M5P, M6P, M7P, M9P
- N2P, N3P, N4P, N5P, N6P, N8P, N9P
- T8P
- U2P, U3P
- AP1P, AP2P, AP4P, AP5P, AP6P, AP7P, AP8P, AP9P, AP10P
- AG1P, AG2P, AG3P
- AN1P, AN2P, AN3P, AN4P, AN5P, AN6P, AN7P, AN8P



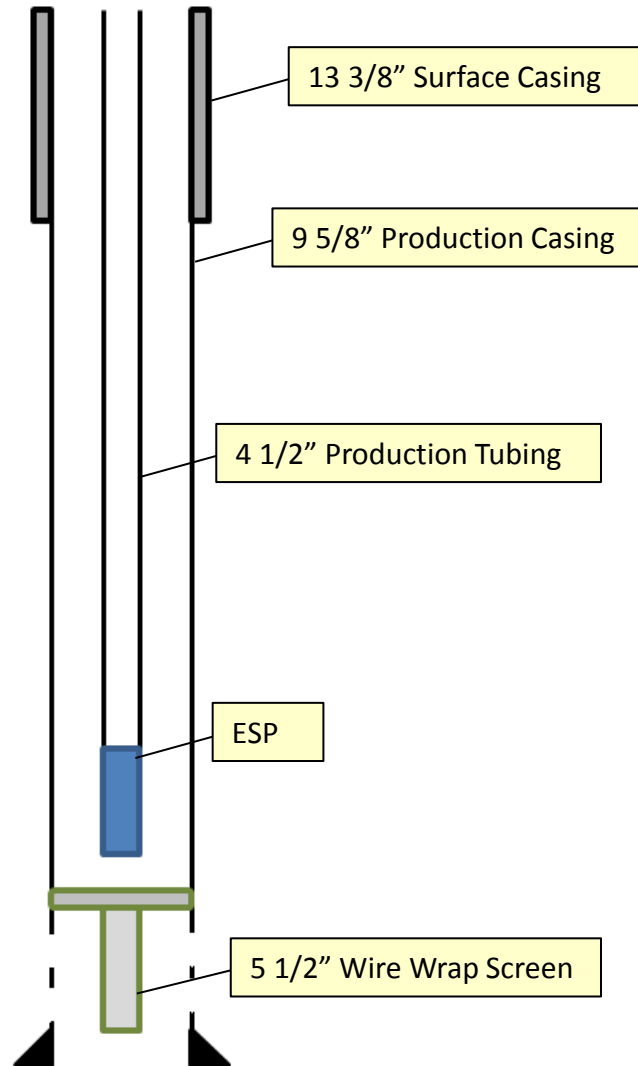
Observation Wells



- Thermocouples are landed over expected steam zone
- Piezometers are placed in areas of geological interest (gas, bitumen, water zones and potential pay breaks)

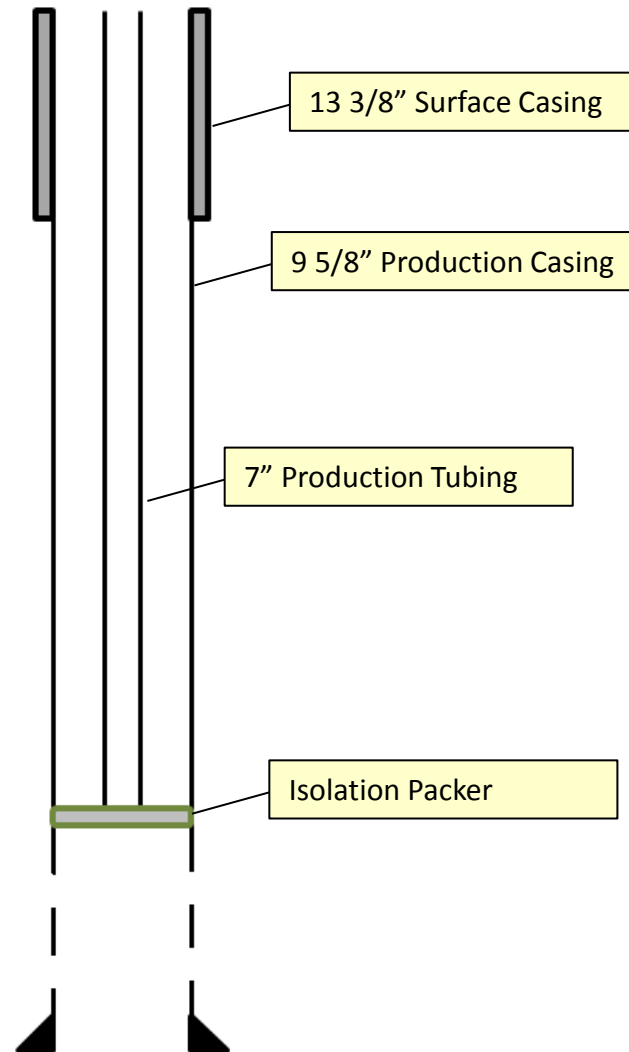


Water Source Wells





Water Disposal Wells





CLRP Well Integrity Management

Developing Well Integrity Best Practices for CLRP

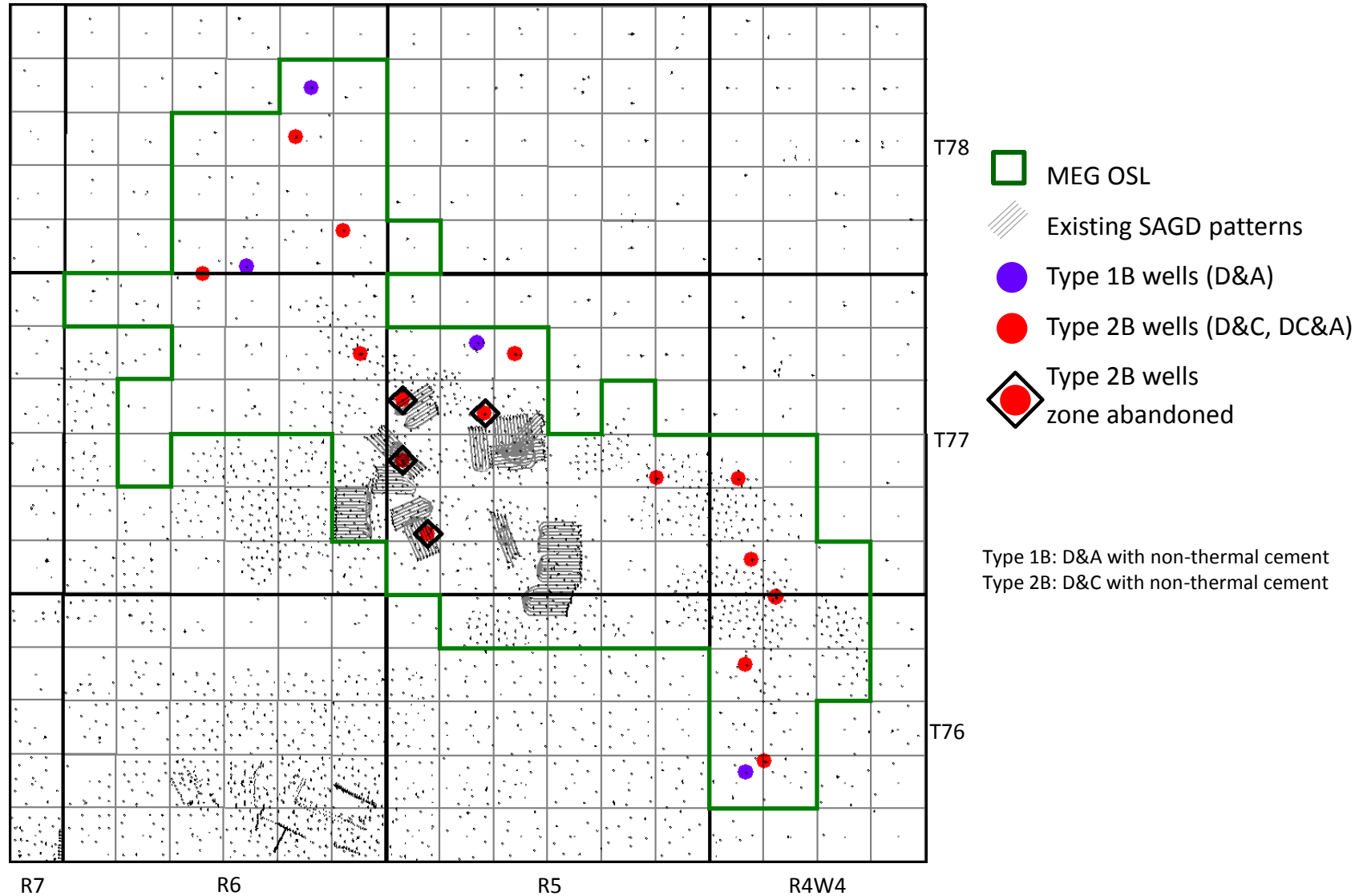
- Includes: SAGD, Infill, Observation, Gas-Repressure, Core-Holes, Legacy Gas, Source and Disposal Wells

The Well Integrity Program includes:

- Risk management – Well health matrix
- Well Integrity Management System (well tracking and monitoring)
- Targeted selection casing integrity checks and Well Servicing support
- Casing design and failure mechanism identification
- AER commitments and reporting
- Inactive Well Compliance Program management



CLRP Legacy Wells





Legacy Well Thermal Compatibility

- Thermal compatibility addressed on a pad by pad basis in conjunction with IDA amendment applications
- Specific D-20 abandonment applications have been filed and approved for requisite wells within the ADA
- MEG has developed a thermal compatibility program which has been reviewed by AER staff. The program includes:
 - A detailed assessment of compatibility of existing all wellbores within the CLRP project area
 - General abandonment strategies to ensure well integrity thermal development areas
 - Monitoring and surveillance plans



CLRP Well Workovers – BB6I

Issue

- Surface Casing Vent Flow (SCVF) on SAGD injector
- Cement micro-annulus has formed behind the 7" slimhole casing, source is inside the well below the slimhole casing shoe

Implications

- Identified a casing gas vent flow through the slimhole cement while the well was operating
- Confirmed that original intermediate casing breach which caused the well to be slimholed is not the SCVF source
- Proved the slimhole casing integrity through pressure testing

Actions

- Set a wireline retrievable bridge plug in the well for suspension which has isolated the SCVF source
- Successfully continuing to operate BB6 producer without support from BB6 injector



CLRP Well Workover Learnings

Issue

- In-zone isolated liner impairments on 4 SAGD producer wells identified in 2013: V3P, N2P, N3P, and M7P

Highlights

- All 4 wells were successfully re-drilled utilizing the existing intermediate section and have since resumed SAGD operation with no issues
- The impairments developed during circulation and were not production induced
- These wells had an average lateral length of about 1000 metres

Optimization

- Analysis has suggested the impairments may be a result of thermal induced deformation in longer lateral wells
- Slotted liner design has been adjusted on re-drills and subsequent wells and there have been no further liner issues



CLRP Artificial Lift

- **All MEG SAGD well pairs are initially completed with gas lift capabilities**
- **125 Electric submersible pumps (ESP) in operation**
 - Approximately 55% ESPs rated to 220°C and 45% rated to 250°C
 - Operating pressures range from 2,100-3,200kPag
 - Design fluid rates 200-1200m³/d
 - Run-time between pulls is 625-675 days
 - Run-time improvements have been realized by utilizing higher quality equipment where required
- **45 rod pumps installed in the infill wells**
 - Operating pressures range from 2,000-2,500kPag
 - Design fluid rates 100-500m³/d

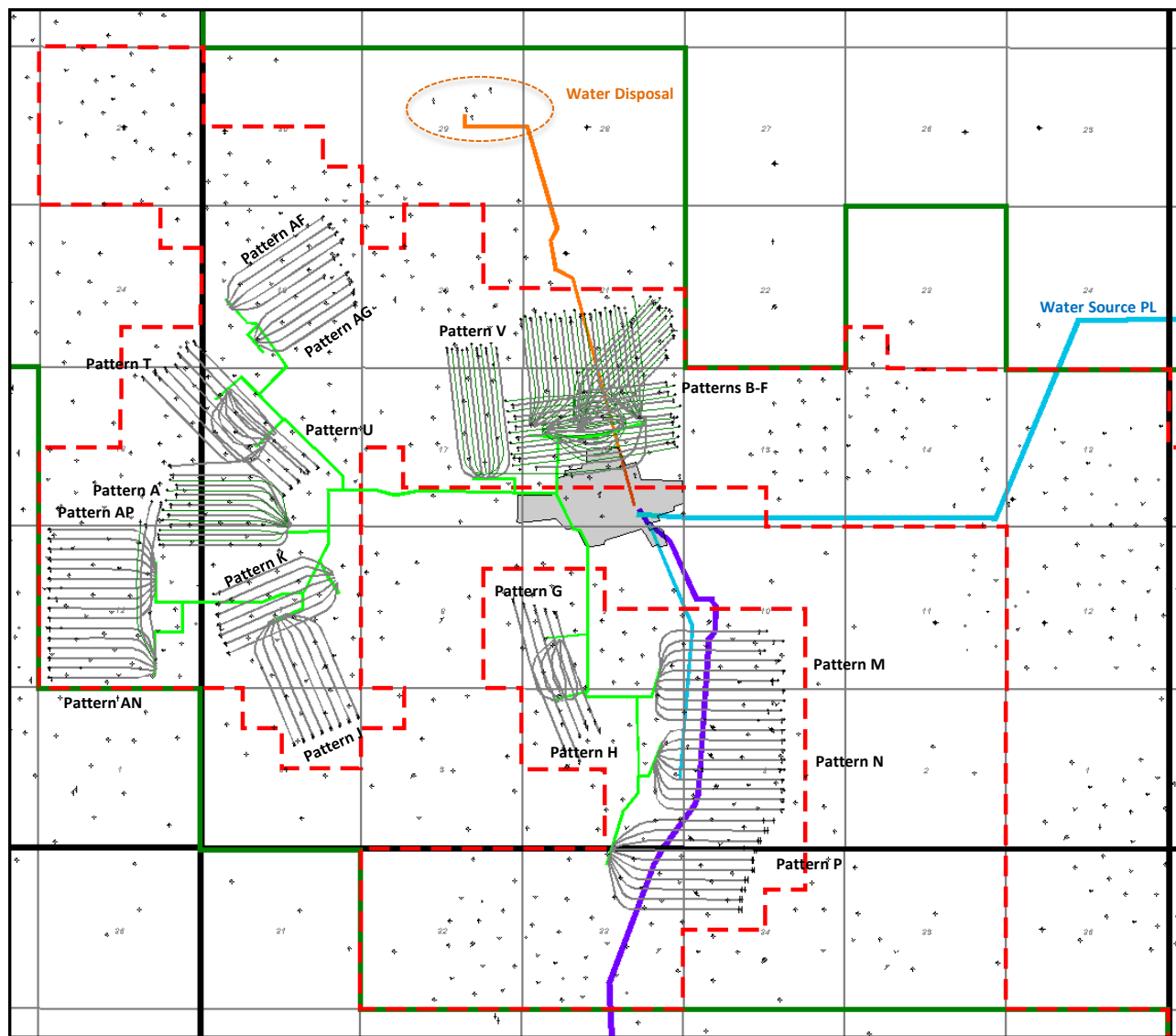


MEG ENERGY

Scheme Performance



CLRP Pattern Layout



- MEG OSL
- Approved Development Area
- Central Plant
- Access Pipeline
- Emulsion Pipeline
- Disposal Pipeline
- Water source Pipeline

T77

April 2015 Wells

SAGD Well Pairs:

Operating: 126
Circulating: 1
Standing: 15
Total: 142

Infill:

Operating: 45
Standing: 1
Total: 46

T76

R6

R5W4



CLRP Reservoir Performance

- First steam into Phase 1 (3 WPs) effectively started in March 2008
- First steam into Phase 2 wells started in August 2009
- First steam into Phase 2B wells started in Q3 2013
- Wells were started up in stages, dictated by steam availability
- Current steam chamber pressure is between 2,000 and 2,900 kPag for Phases 1 and 2, between 2,300 and 3,400 kPag for Phase 2B. The steam chamber pressure is close to the initial pressure in the basal water zone where bottom water is present.
- The combined bitumen production from Phases 1 and 2 reached the design capacity of 3,975 m³/d (25,000 bopd) by late April 2010.
- Phase 2B production ramp-up bettered that of Phase 2. Total production from all phases reached 11,340 m³/d (71,300 bopd) in Q2 2014, exceeded the combined initial design capacity of 9,539 m³/d (60,000 bopd).

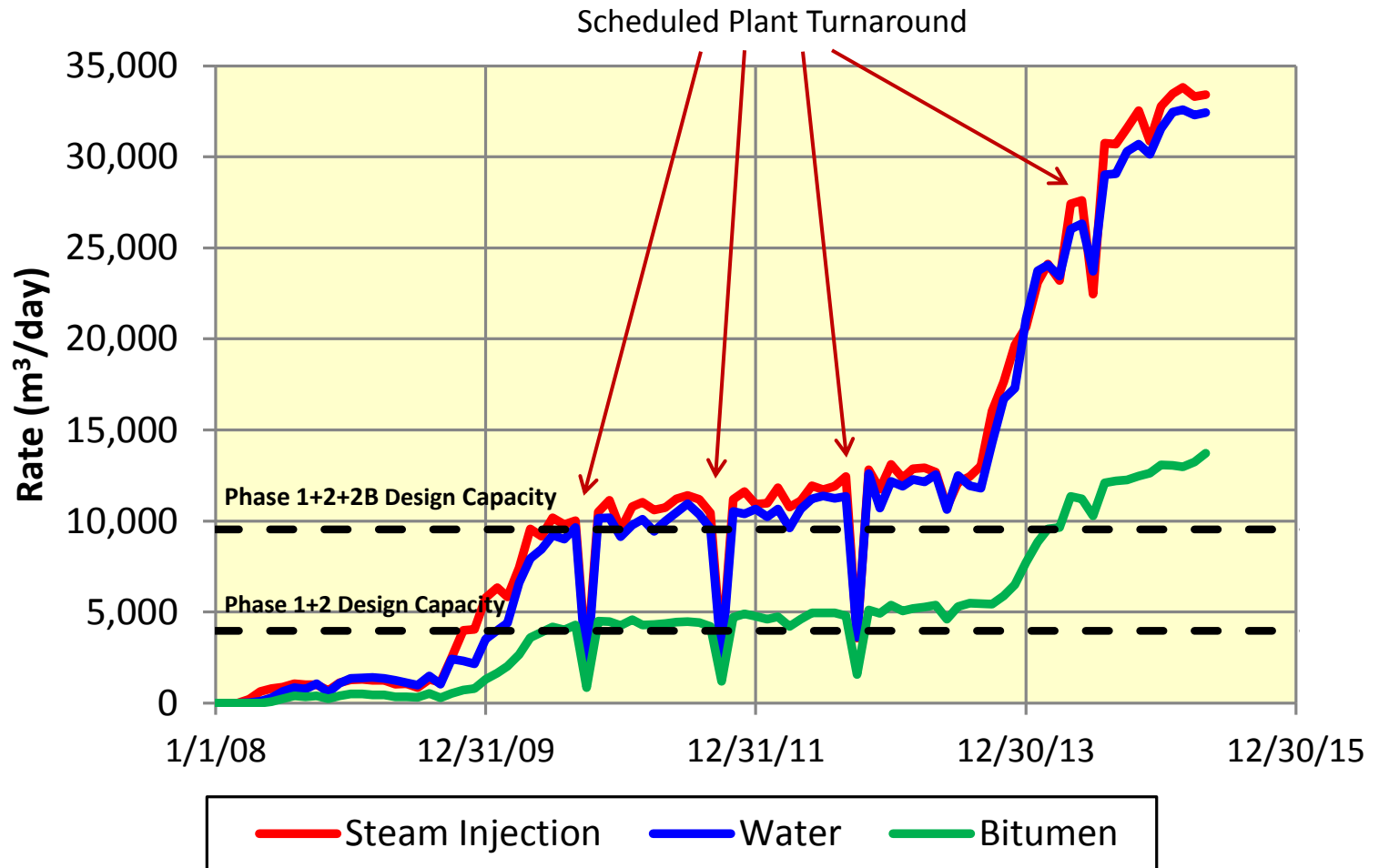


CLRP Reservoir Performance (continued)

- The SOR of CLRP has ranged from 2.2 to 2.6 over the last 12 months and averaged 2.5 with new well start-ups.
- The Phase 1 eMSAGP pilot was initiated in December 2011, which showed very successful results. Commercial eMSAGP was expanded to wells A4, A5, A6 and patterns B, C, D, E and F in 2013.
- The SOR of the eMSAGP wells (36 SAGD WP's and 37 infill wells) averaged 1.9 relative to the SAGD design level of 2.8 in the period, which allowed MEG to utilize the freed up steam to bring more SAGD wells on production.
- In Q1 2015, MEG achieved record quarterly production of 82,398 bopd, an increase of 41% over the same period of 2014. April production averaged over 86,280 bopd.

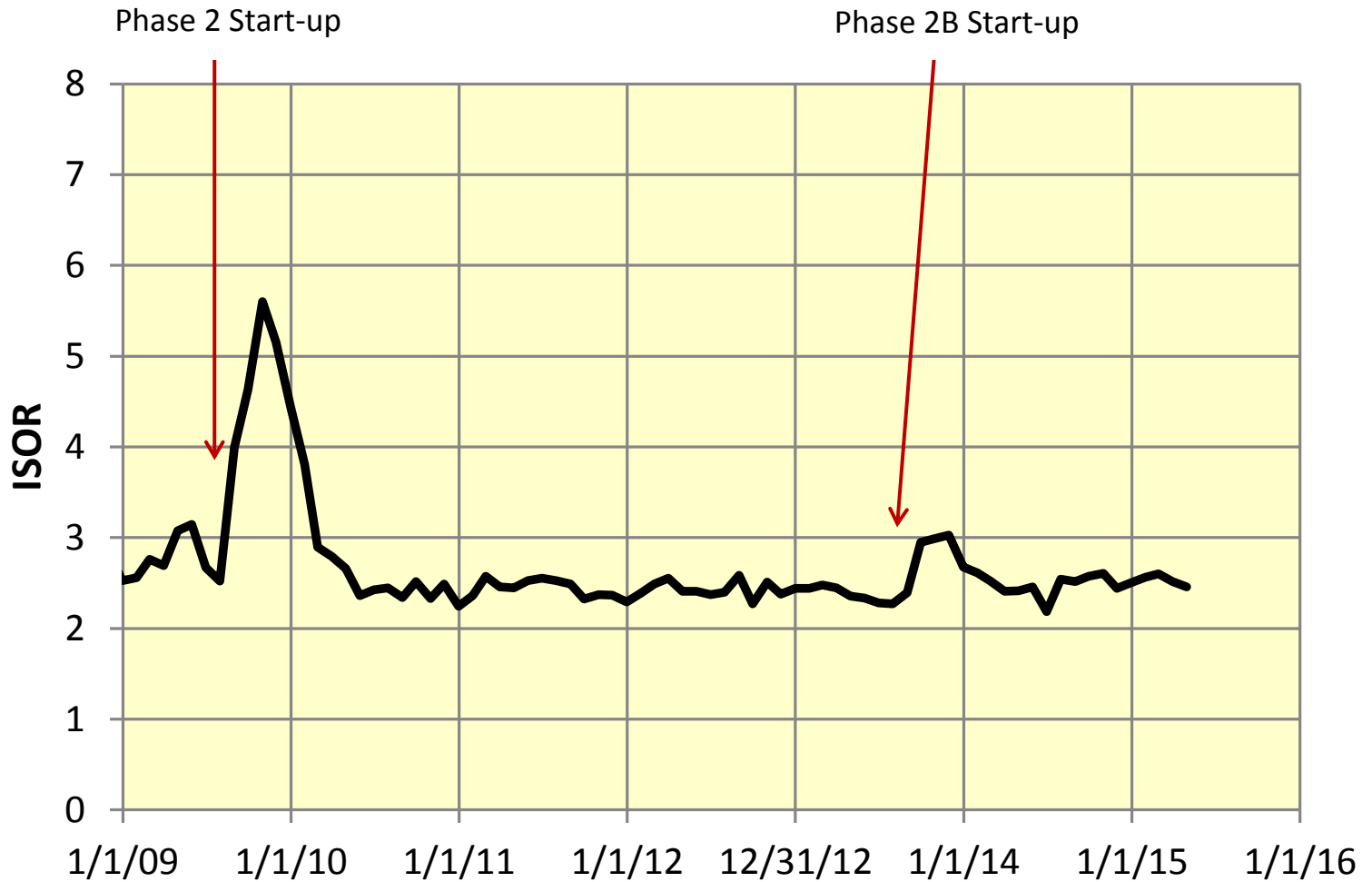


CLRP Production Performance



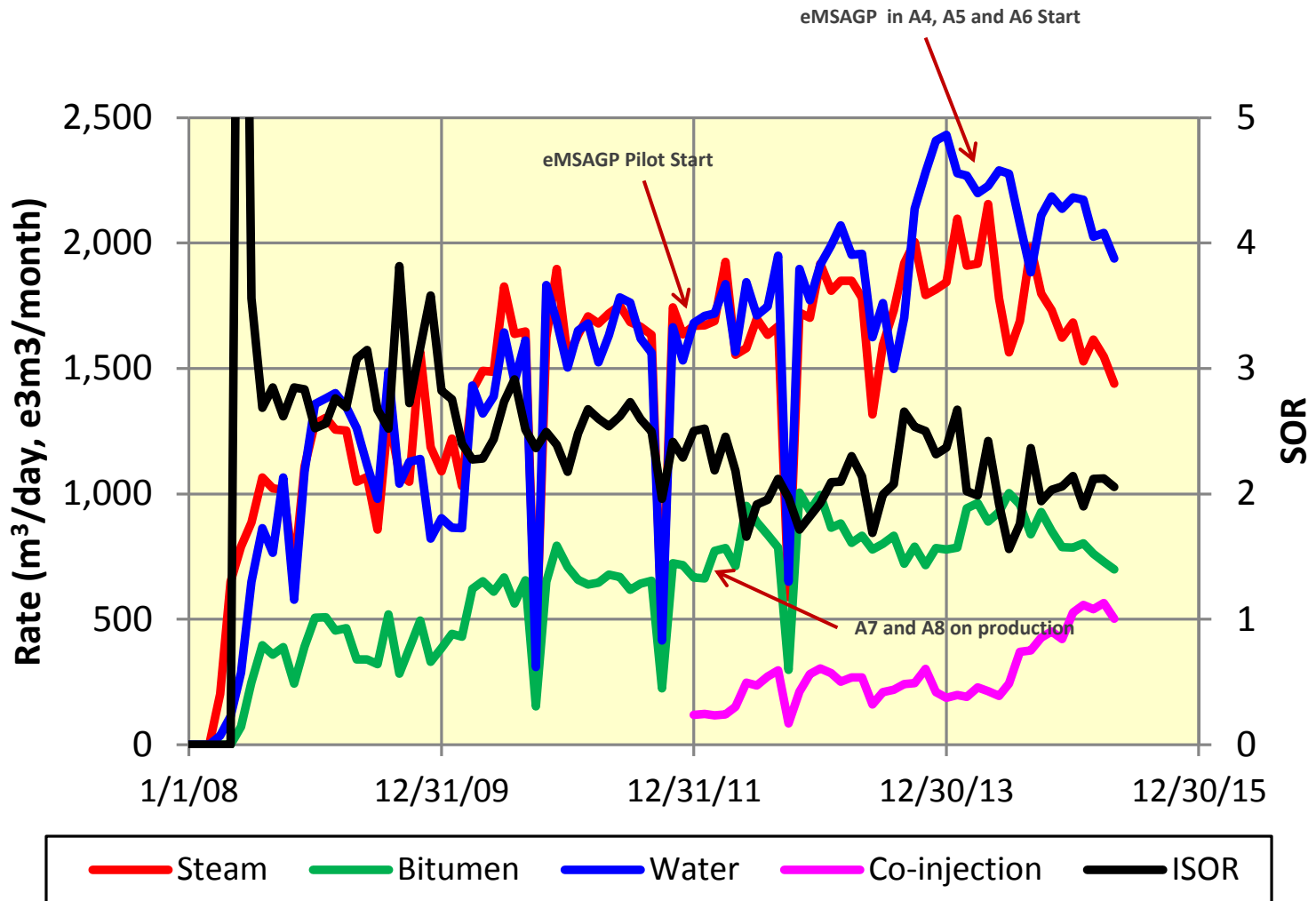


CLRP Performance – SOR of All Patterns





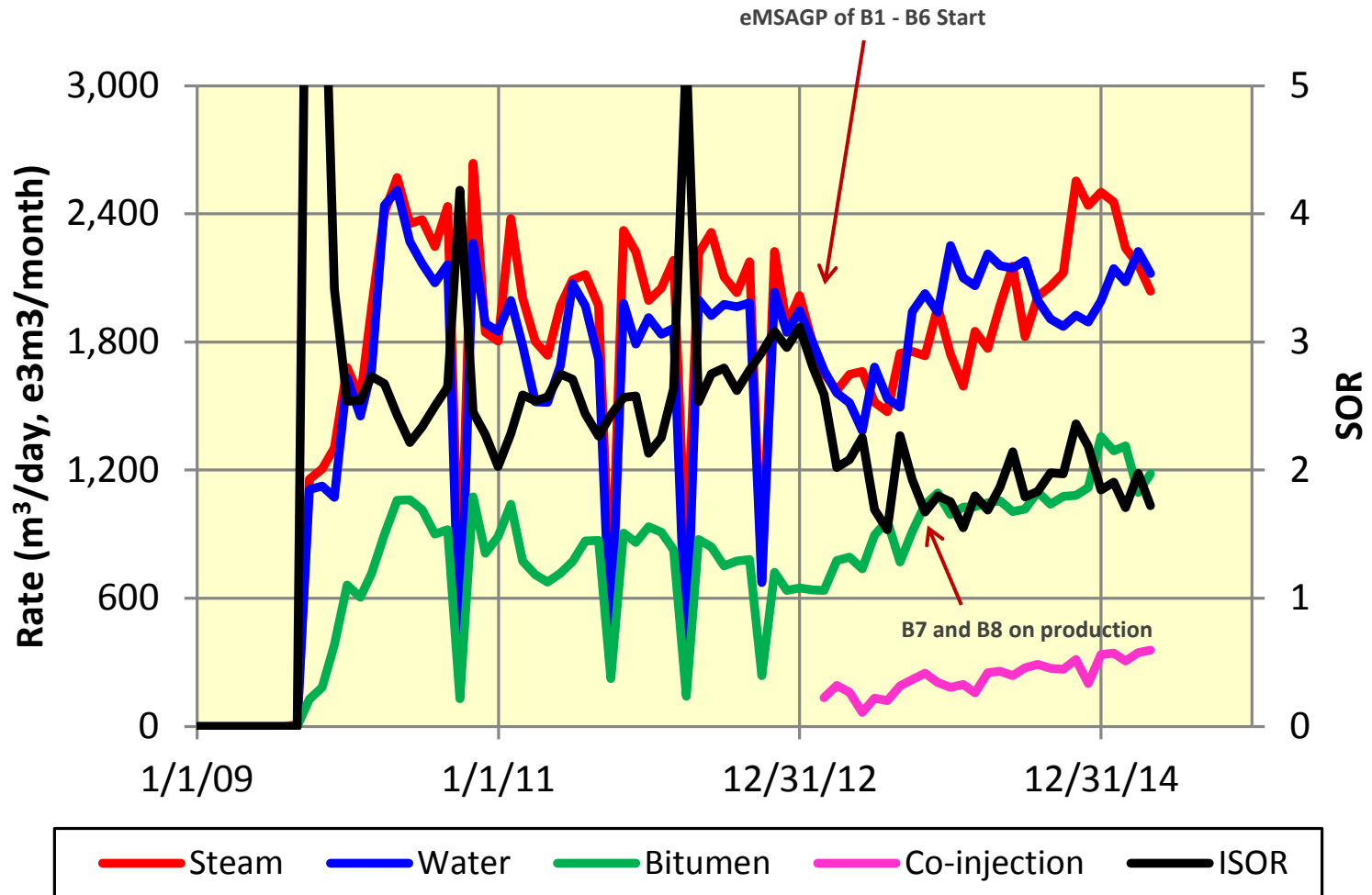
CLRP Performance – Pattern A



Increased water to steam ratio noted recently was mostly from two edge SAGD well pairs (A6 and A8), a result of edge or bottom water incursion



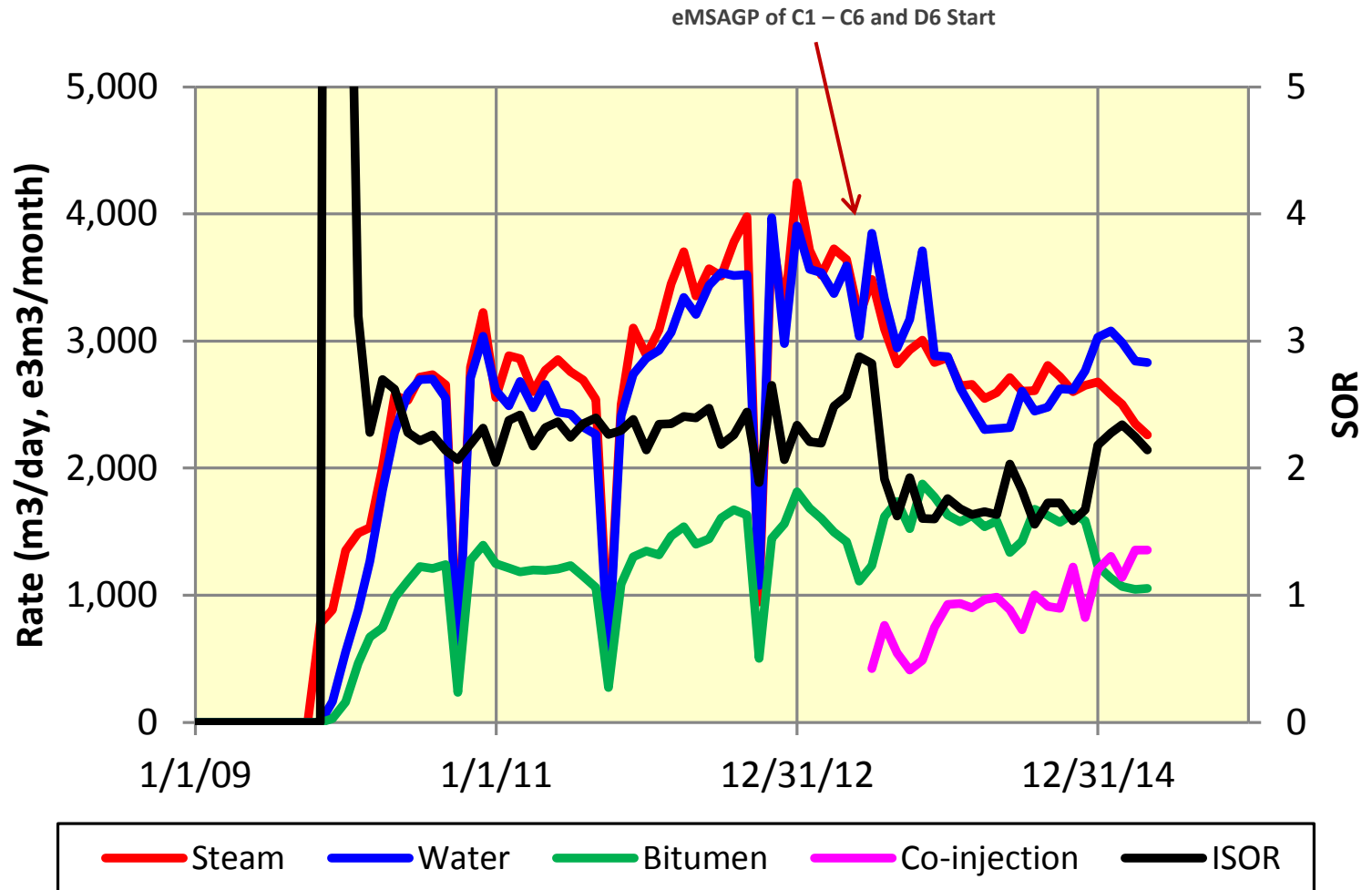
CLRP Performance – Pattern B



Increased steam injection rate was to increase the steam chamber pressure in two SAGD well pairs (B1 and B2) that have bottom water



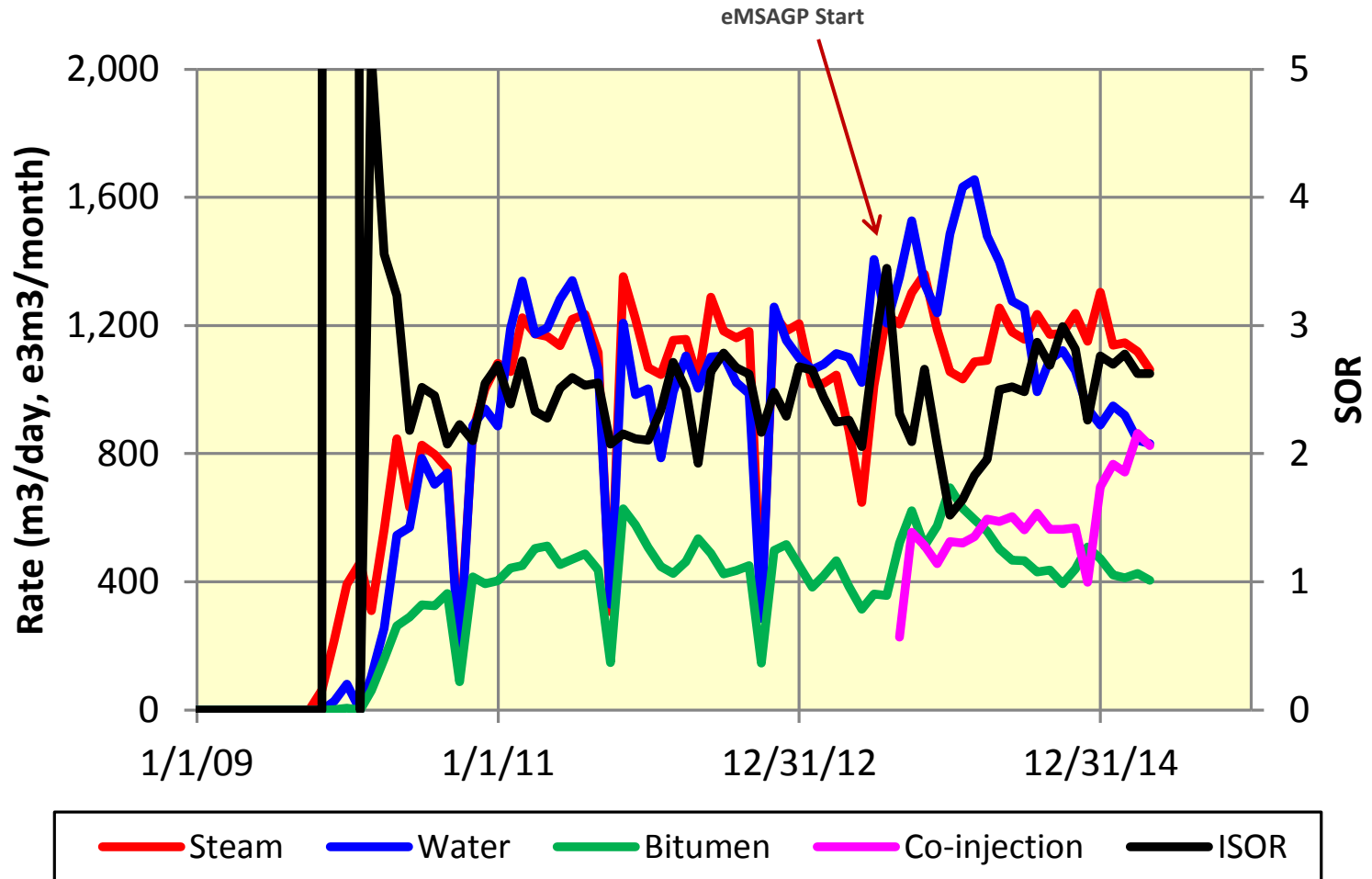
CLRP Performance – Pattern C



Bitumen production drop in December 2014 was partially due to measurement calibration

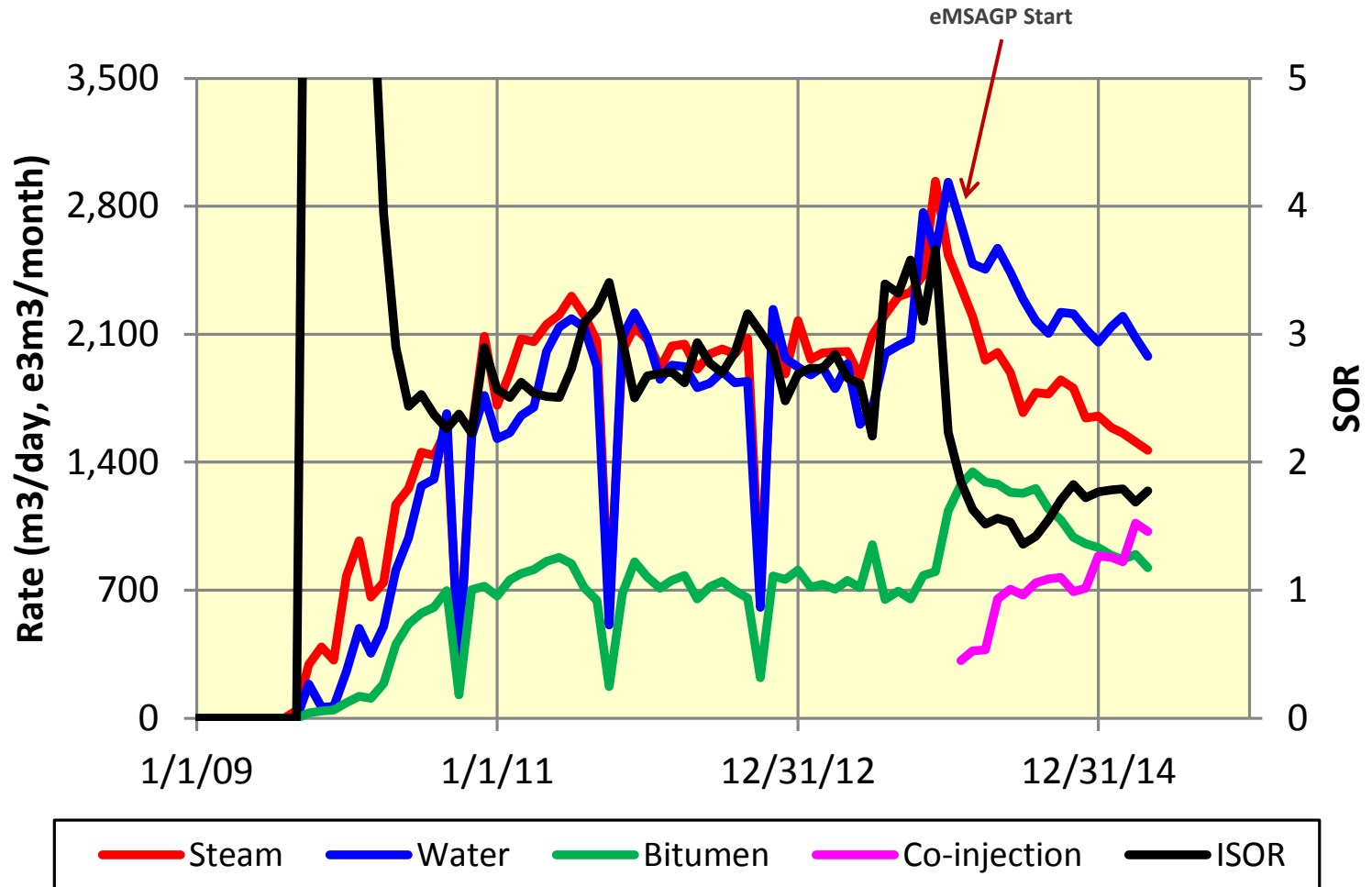


CLRP Performance – Pattern D



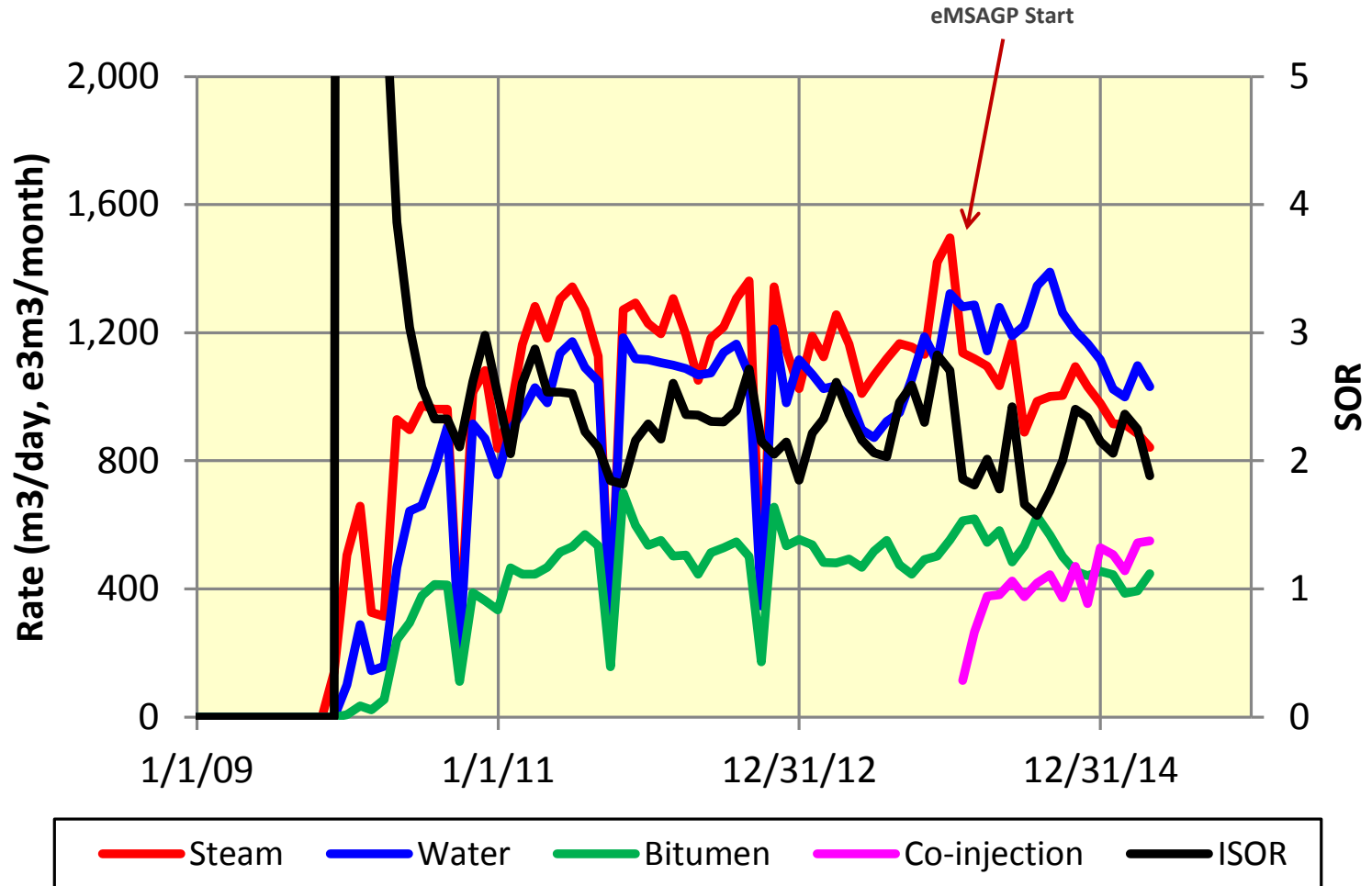


CLRP Performance – Pattern E



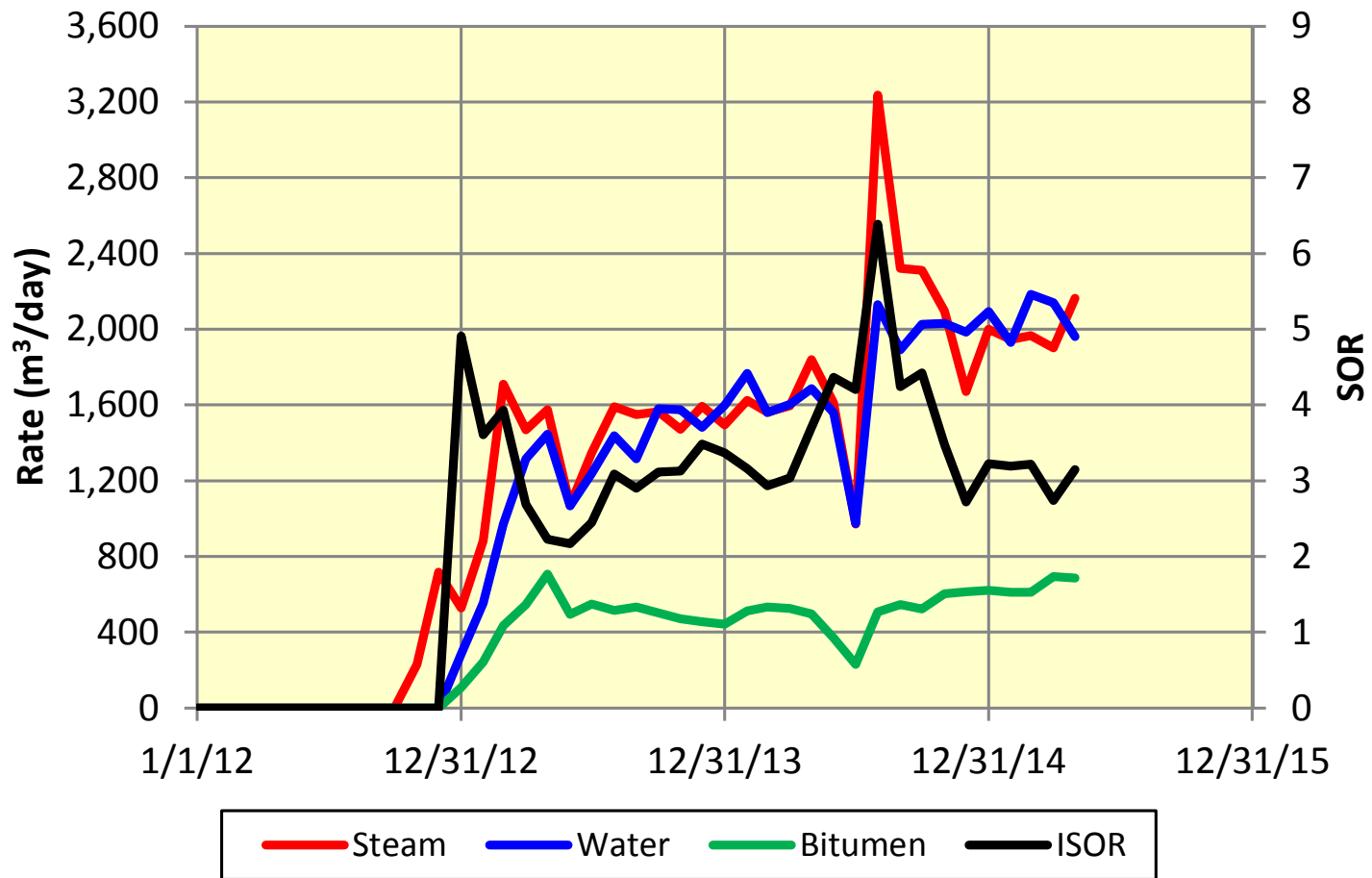


CLRP Performance – Pattern F



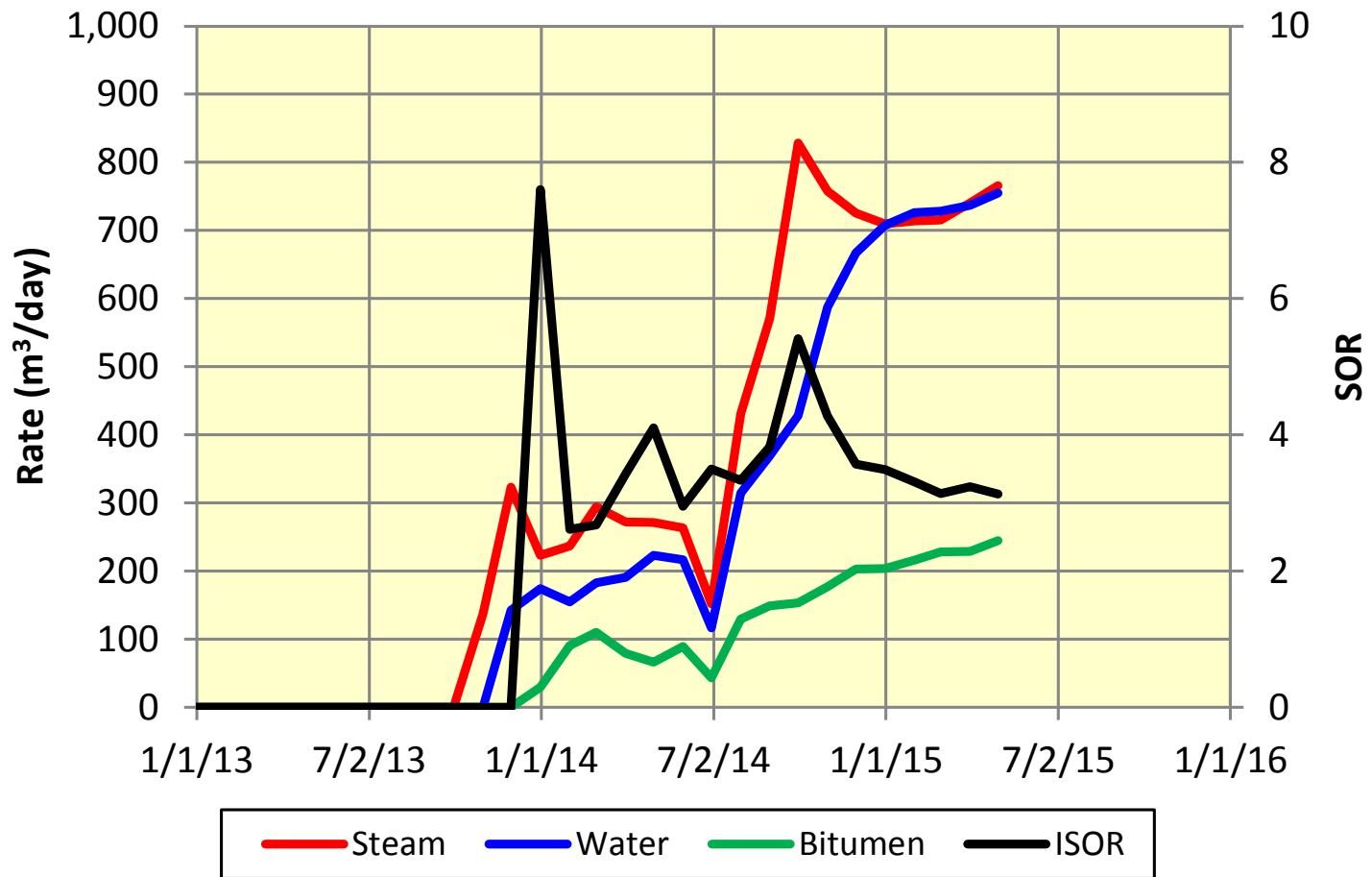


CLRP Performance – Pattern V



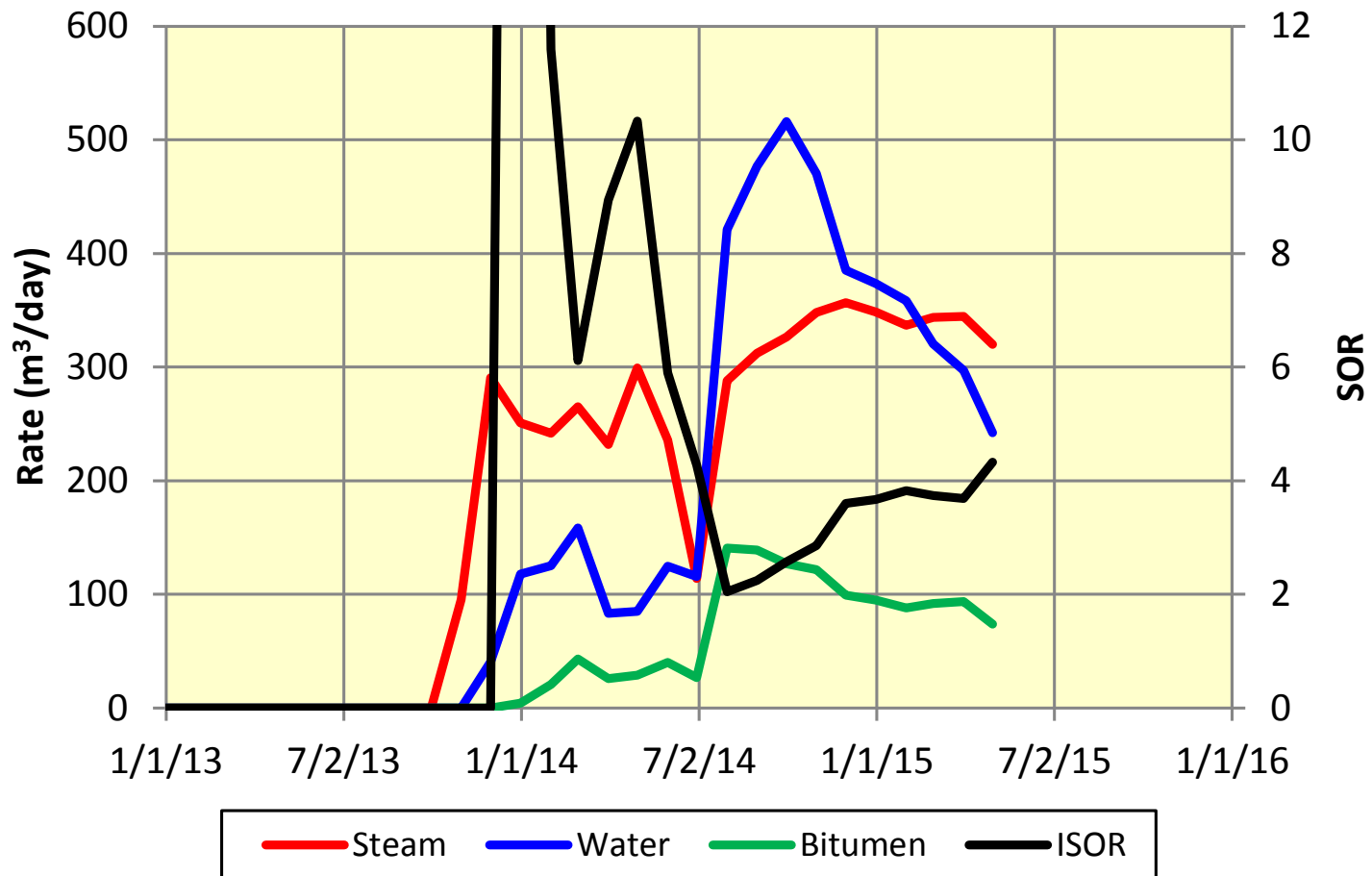


CLRP Performance – Pattern G





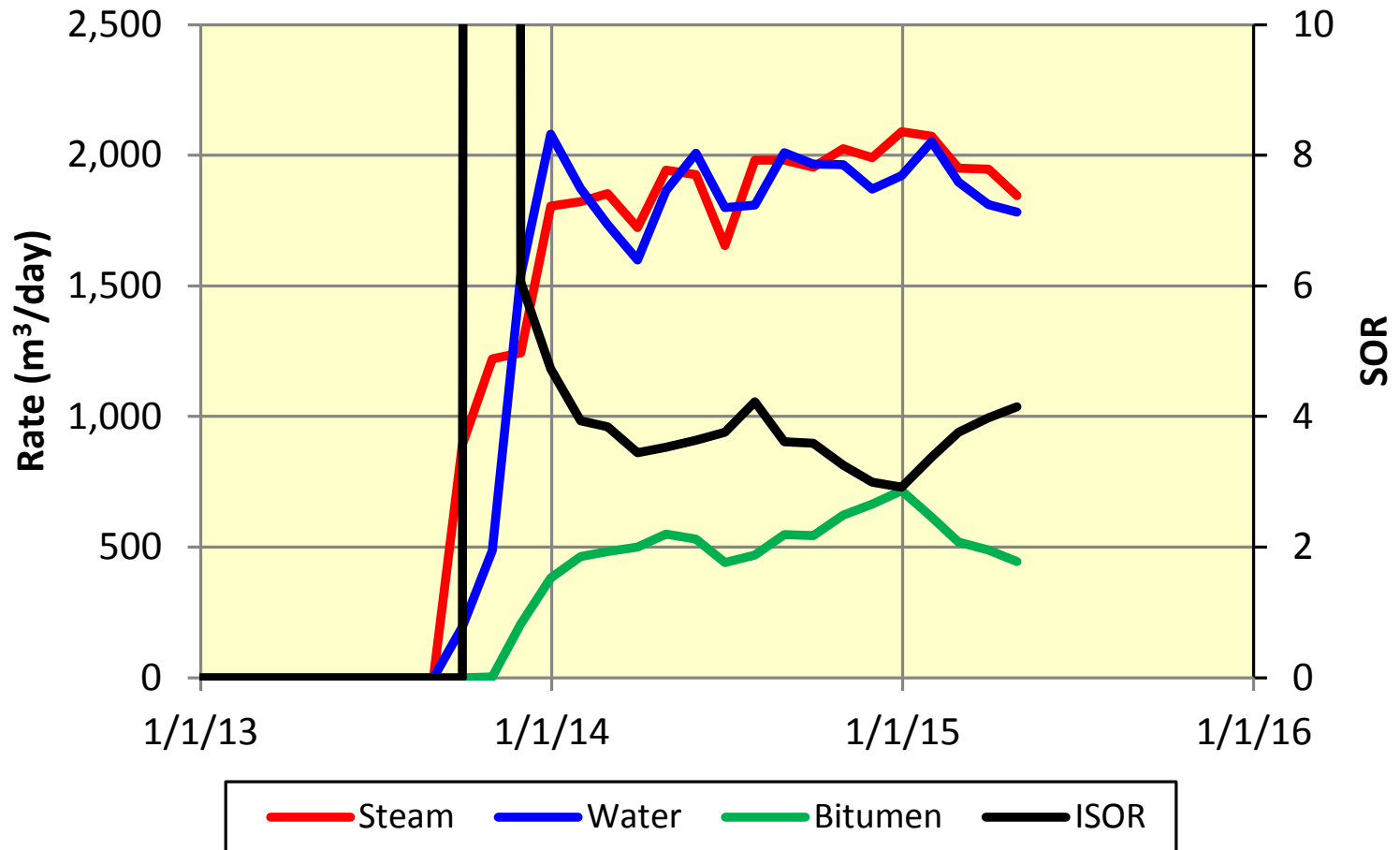
CLRP Performance – Pattern H



In mid-2014 workovers were performed on H4I, H4P, and H3P which led to a large surge in production but do not reflect sustainable rates

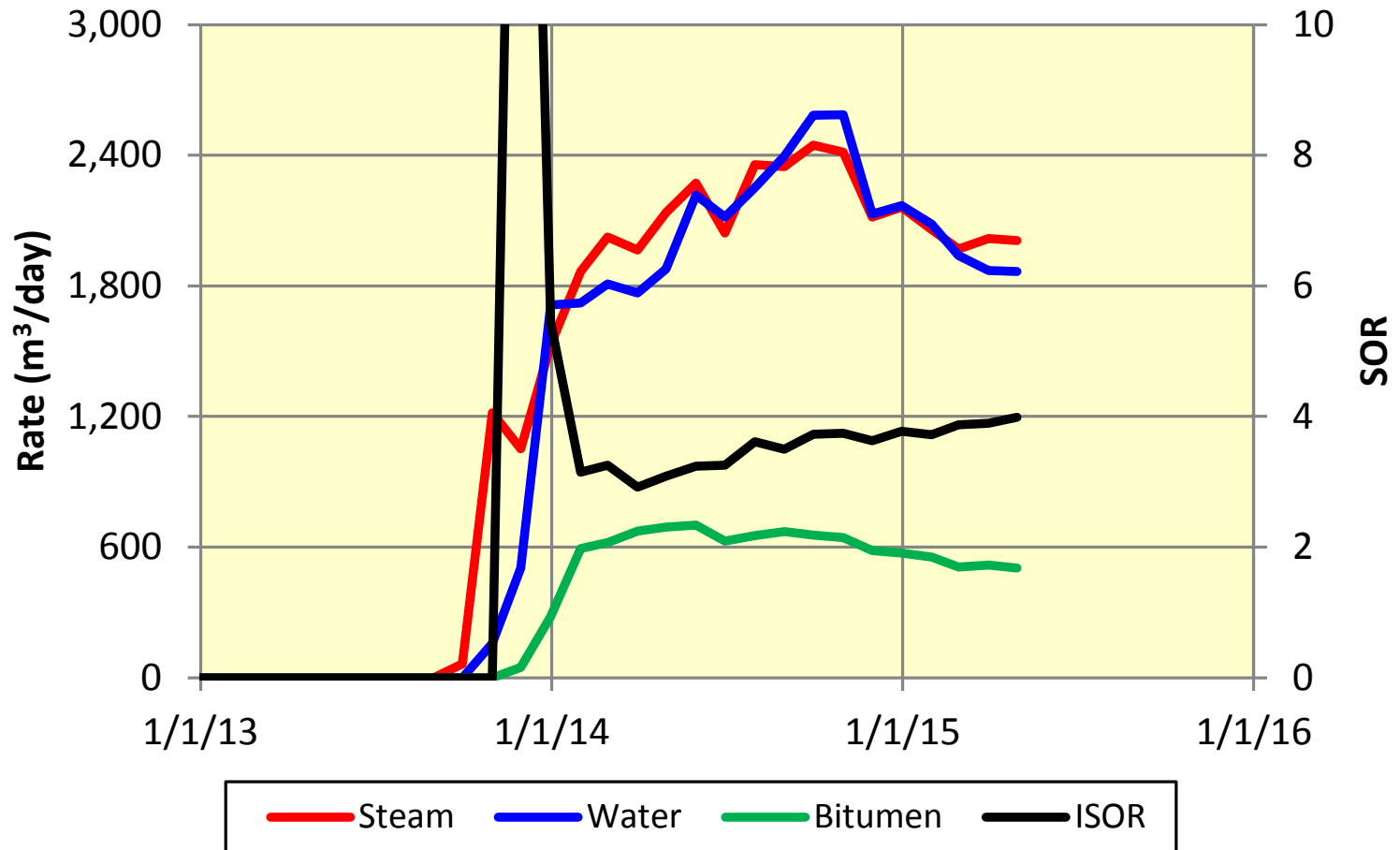


CLRP Performance – Pattern J



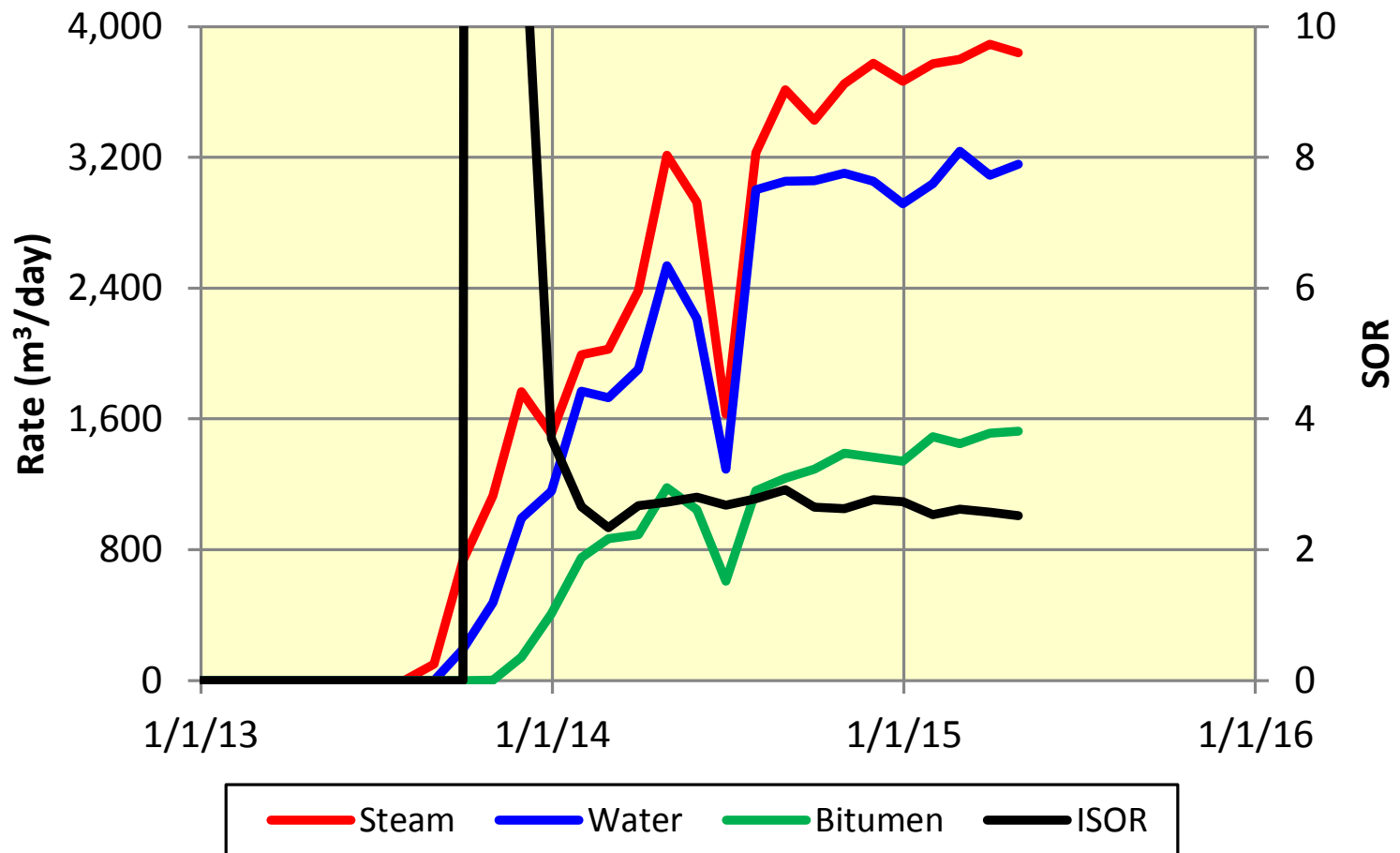


CLRP Performance – Pattern K





CLRP Performance – Pattern M



M9P and M10P have low TFSR due to poor producer inflow, lowering the overall WSR. Both wellpairs operate at low pressure so steam is not considered lost to thief zones. Temporary steam reduction due to pipeline construction activity in mid-2014 .

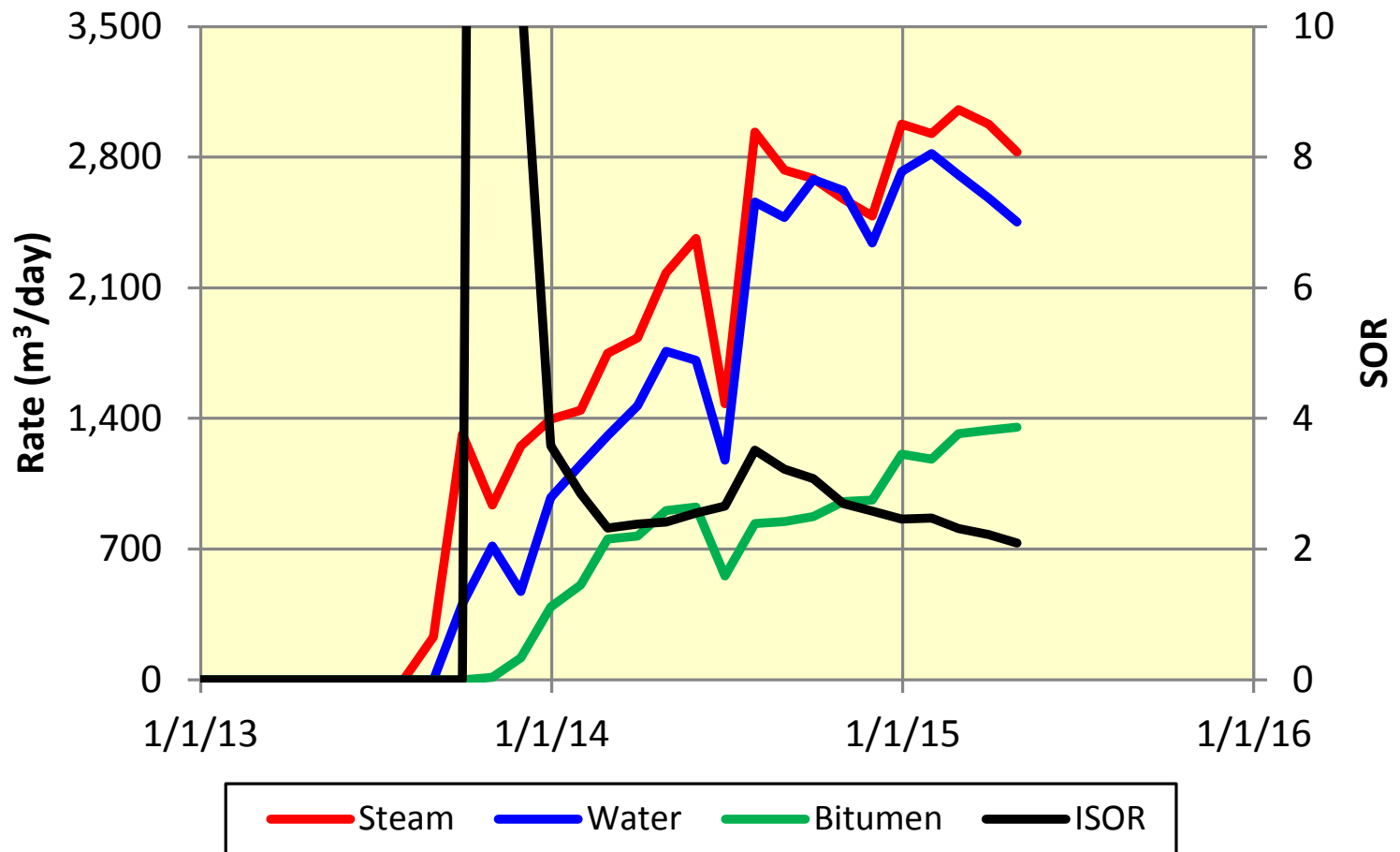


Implementation and Recovery Rate

- For the Phase 2 wells, eMSAGP was implemented near 30% recovery of pay above the producer, with individual pattern recoveries ranging from about 30% to 46%
- The patterns which experienced the greatest increase in rate of recovery had eMSAGP initiated earlier, suggesting that implementation at advanced stages of recovery is sub-optimal

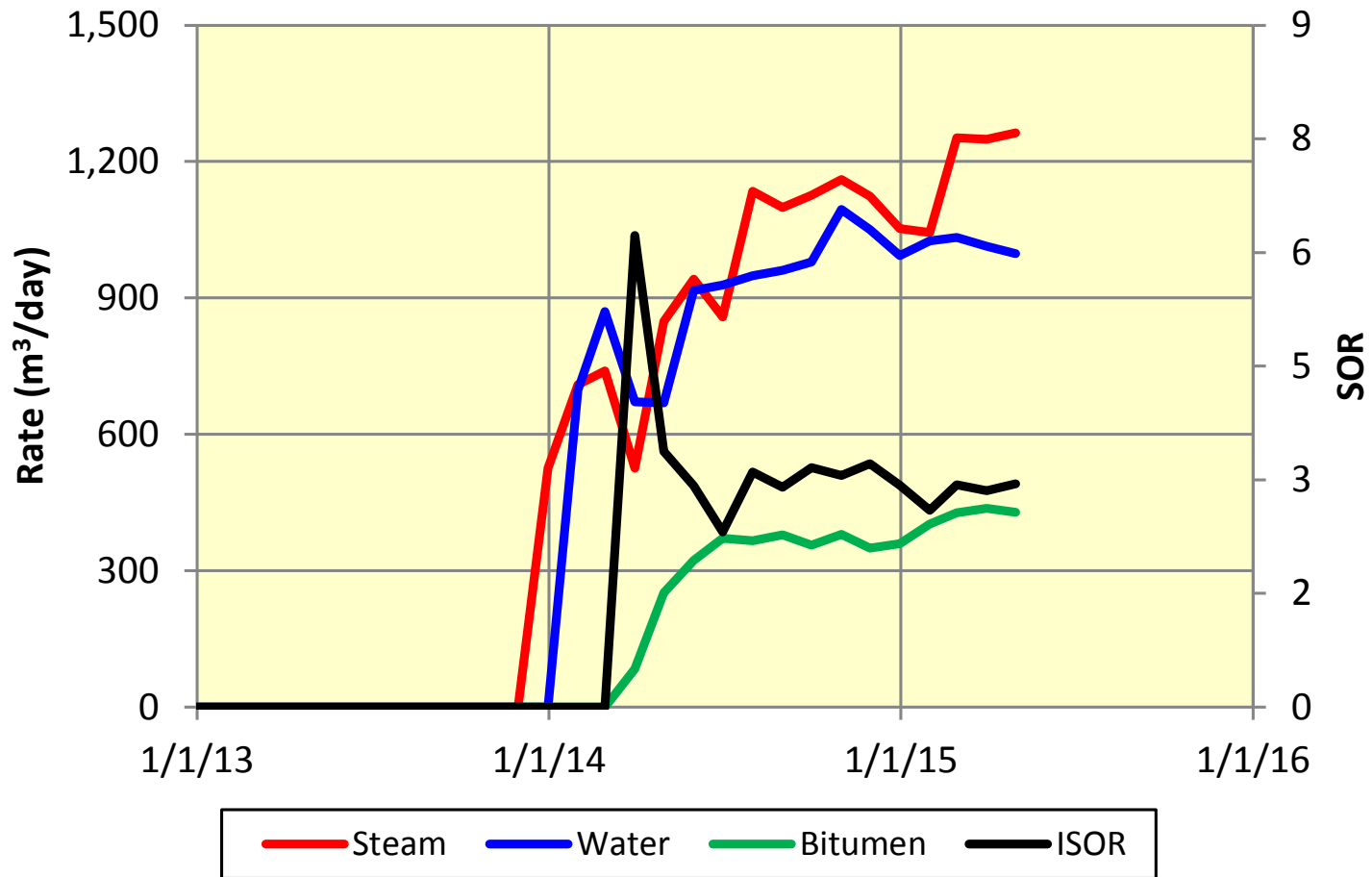


CLRP Performance – Pattern N



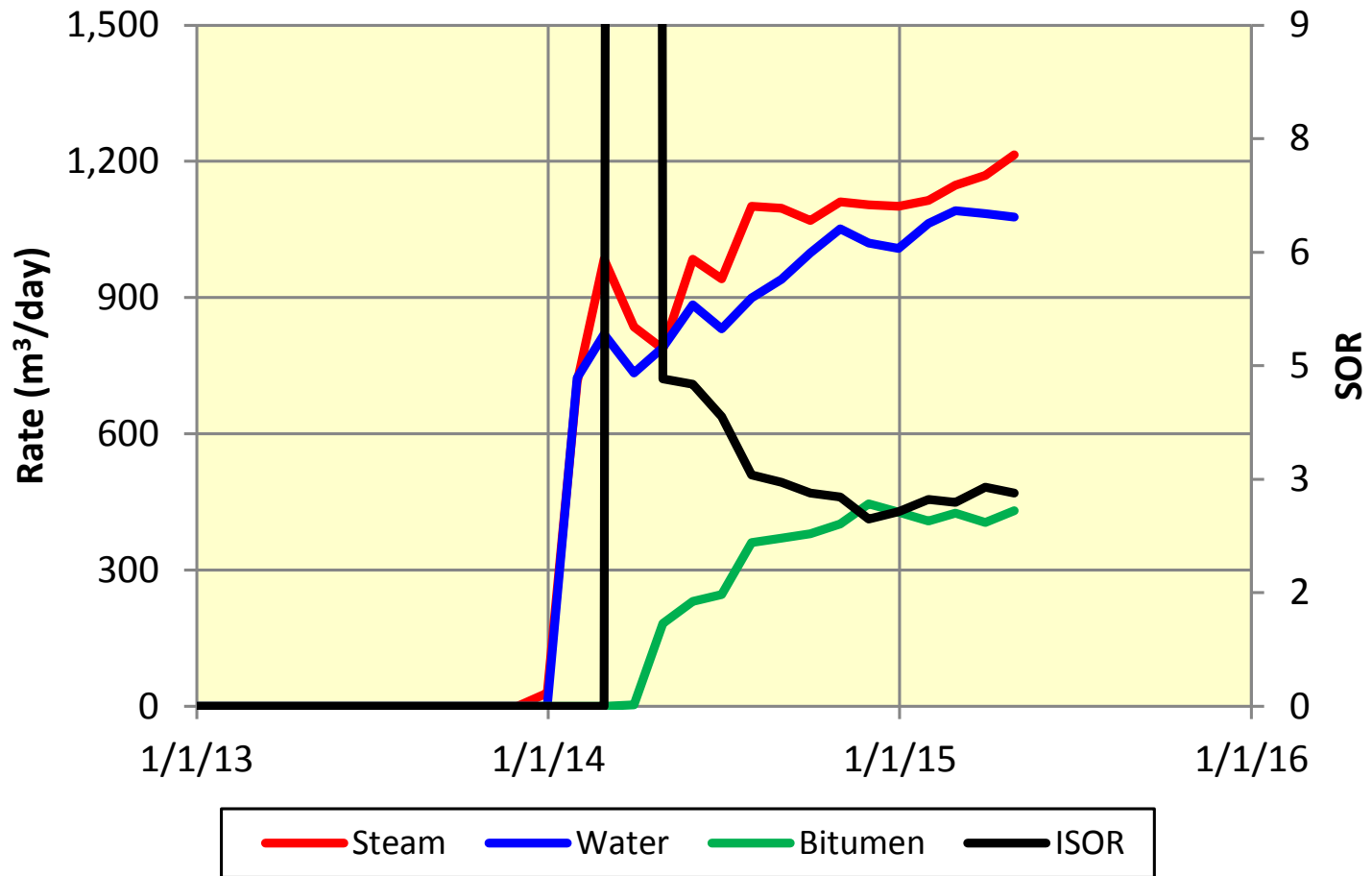


CLRP Performance – Pattern T



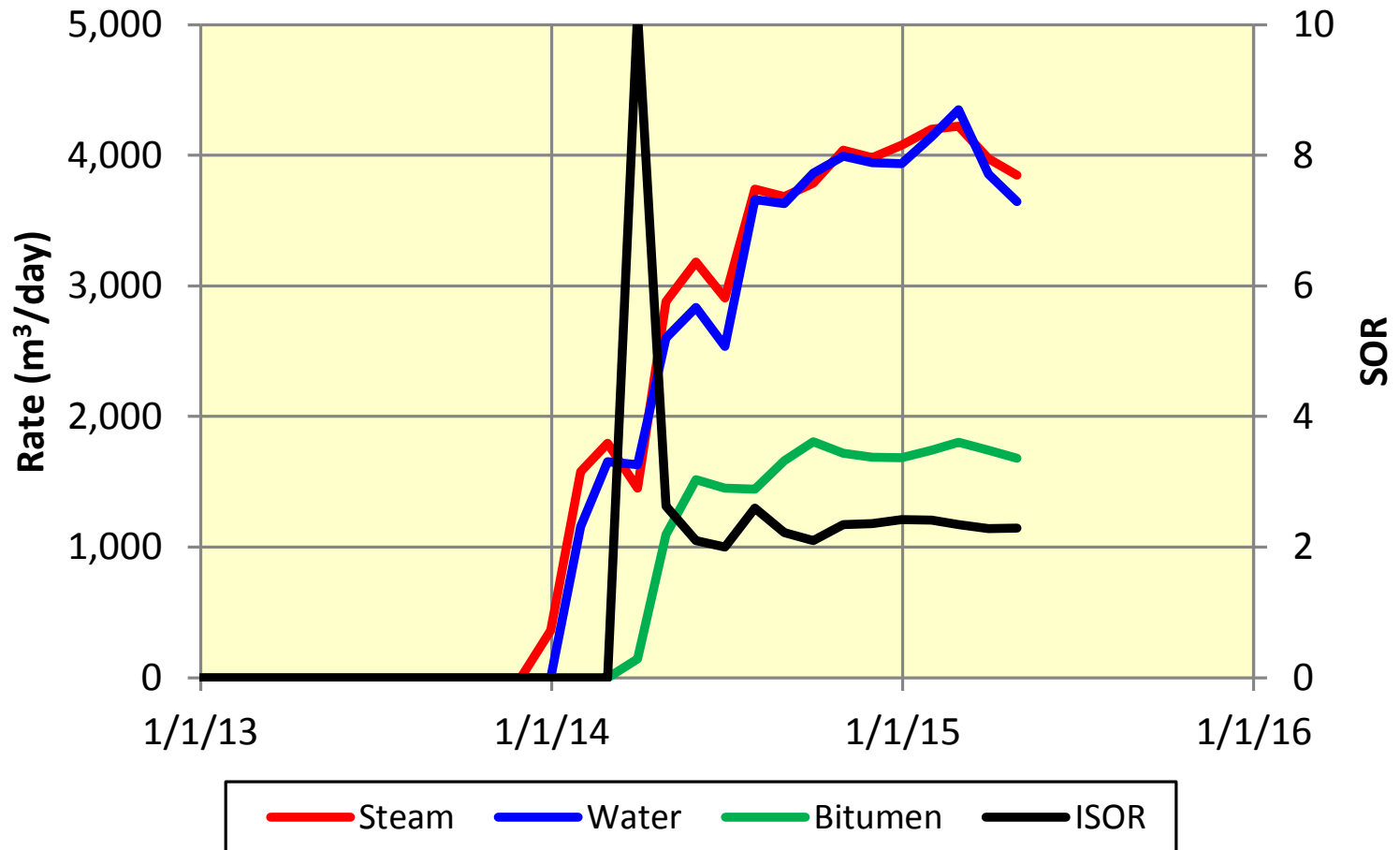


CLRP Performance – Pattern U



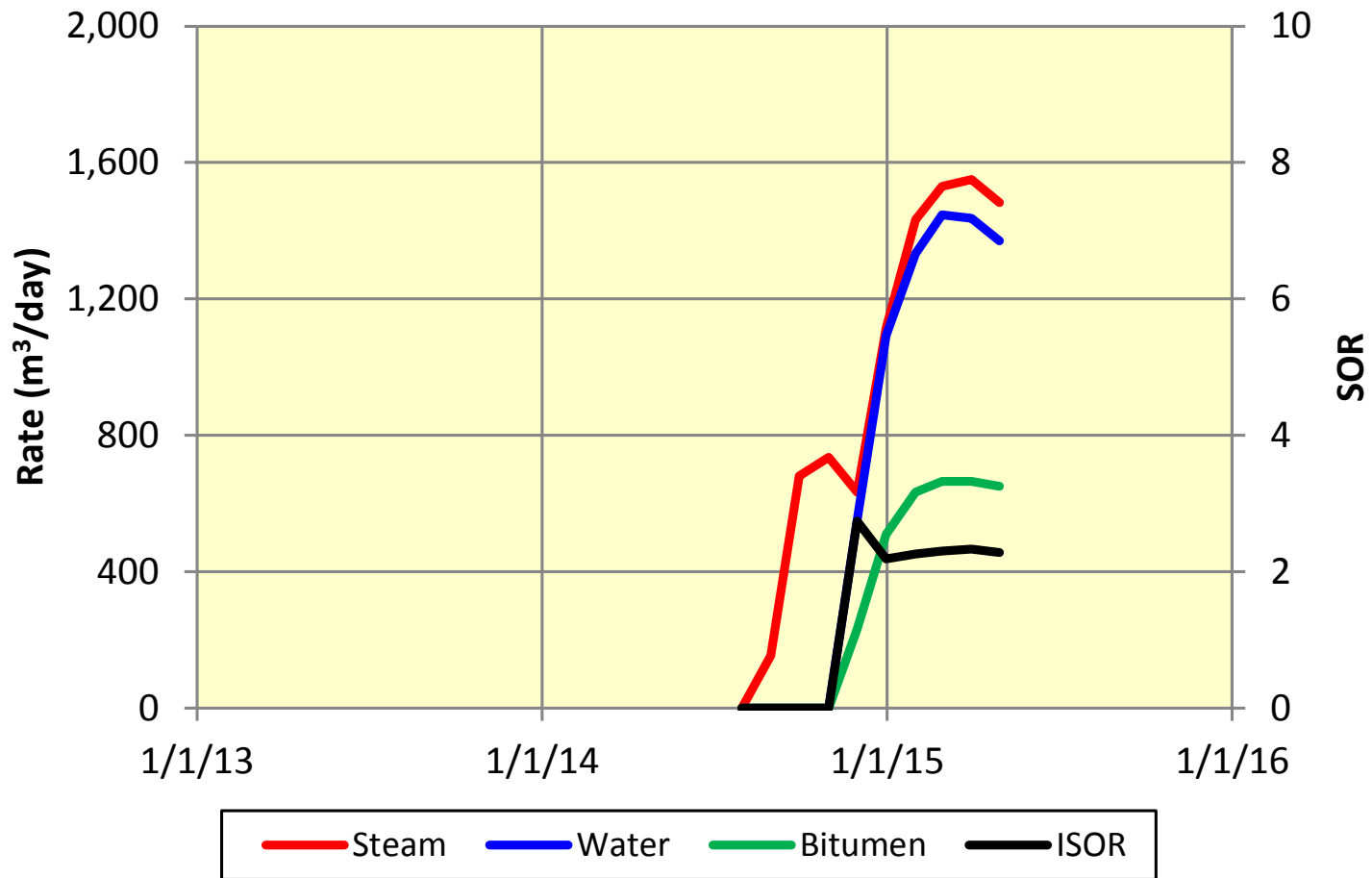


CLRP Performance – Pattern AP



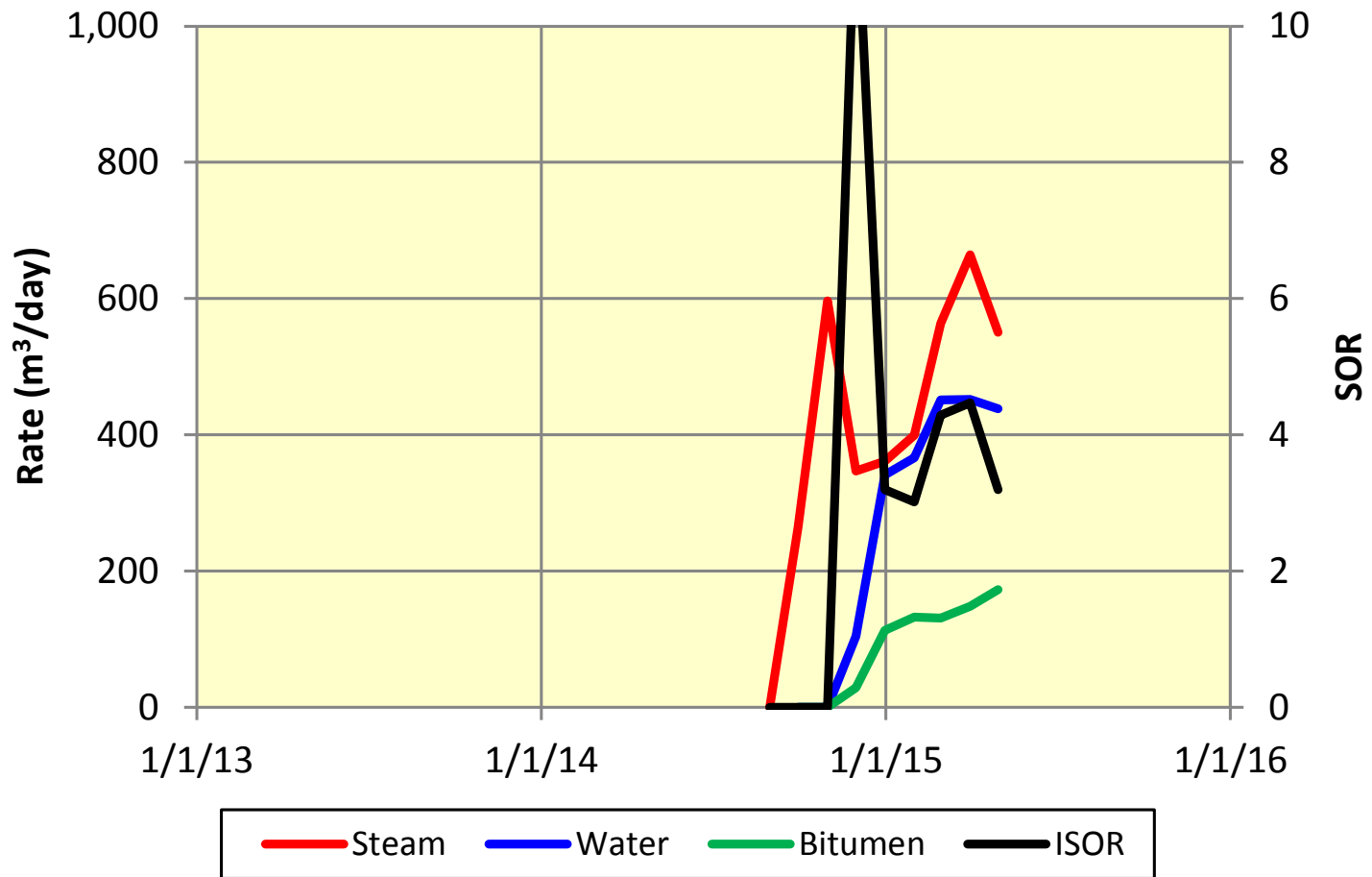


CLRP Performance – Pattern AF



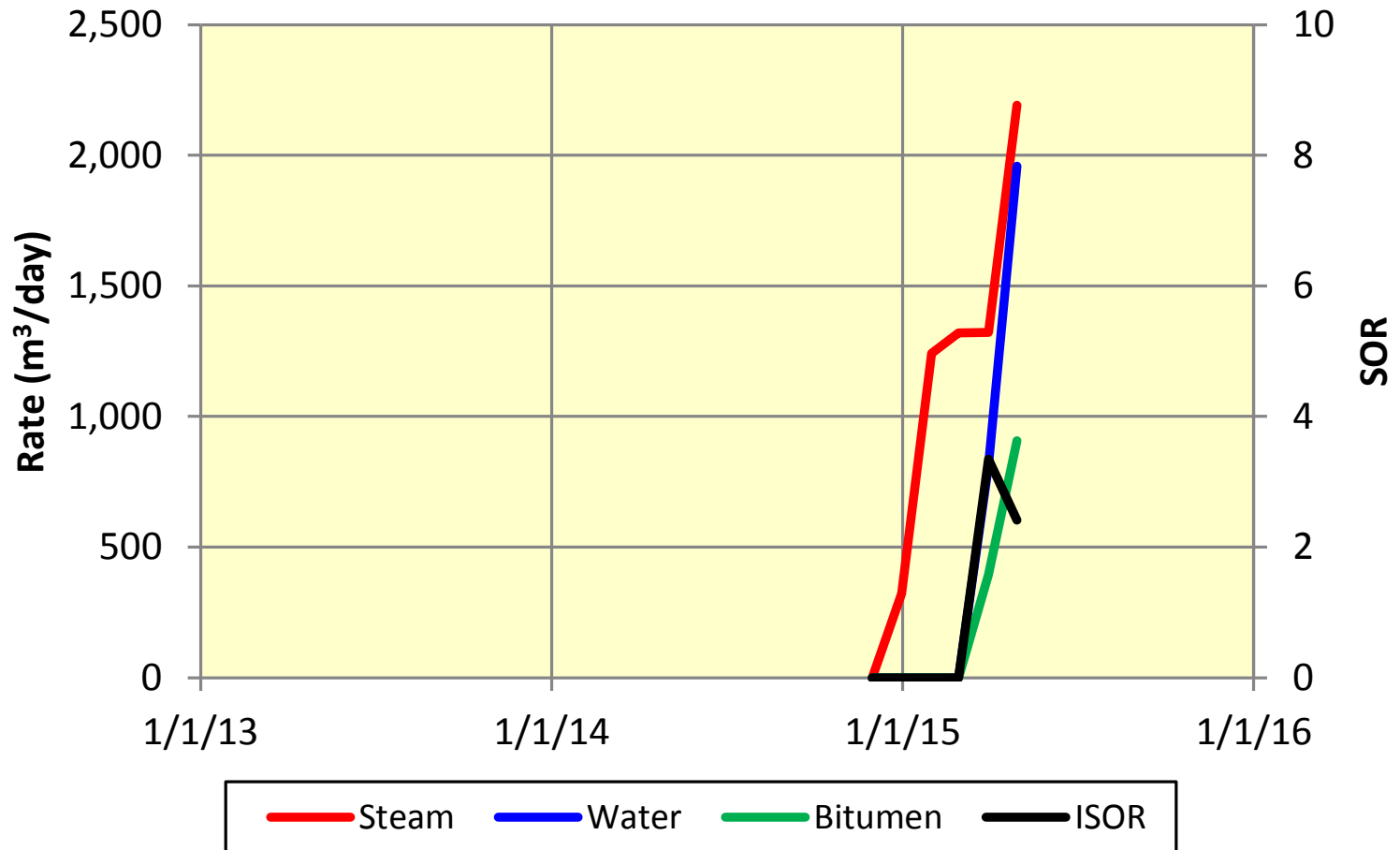


CLRP Performance – Pattern AG





CLRP Performance – Pattern AN





Original Oil in Place

Pattern	Operating Wellpairs	Average h (m)	Average L (m)	Average Porosity	Average Oil Saturation	OOIP (m ³)
A	8	22	889	34%	72%	3,815,000
B	2	33	745	34%	82%	1,371,000
BB + D7	7	20	846	33%	83%	3,199,000
C + D6	7	27	803	34%	75%	3,889,000
D-D6-D7	5	21	680	34%	78%	1,847,000
E + F1	7	23	819	33%	77%	3,278,000
F - F1	5	22	776	33%	78%	2,148,000
V	6	21	1139	33%	72%	3,464,000
G	4	17	759	33%	71%	1,237,000
H	2	16	832	33%	72%	1,237,000
J	8	21	986	33%	76%	4,191,000
K	7	21	955	33%	75%	3,496,000
M	10	30	998	32%	75%	7,185,000
N*	9	26	1054	33%	80%	6,634,000
T	7	19	952	32%	81%	3,325,000
U	6	19	882	30%	80%	2,414,000
AP*	10	33	832	33%	83%	7,393,000
AF	5	23	972	32%	82%	2,862,000
AG	4	22	835	33%	77%	1,872,000
AN	8	27	870	32%	83%	4,940,000
TOTAL	127					69,797,000

Note:

h is net Pay: SAGD base to SAGD Top

L is Liner length (including blanks) with 50m added to each end (100m total)

* Updated in May 2015



Oil Recovery

Pattern	Operating Wellpairs	Average h (m)	Average L (m)	Average Porosity	Average Oil Saturation	OOIP (m ³)	Ultimate Recovery (m ³)	Cumulative Production (m ³)	Recovery (% SAGDable)
A	8	19	889	34%	72%	3,296,000	1,812,800	1,667,238	50.6%
B	2	30	745	34%	82%	1,246,000	685,300	554,837	44.5%
BB + D7	7	17	846	33%	83%	2,714,000	1,492,700	1,179,803	43.5%
C + D6	7	24	803	34%	75%	3,453,000	1,899,150	2,564,841	74.3%
D-D6-D7	5	18	680	34%	78%	1,622,000	892,100	826,600	51.0%
E + F1	7	20	819	33%	77%	2,915,000	1,603,250	1,505,002	51.6%
F - F1	5	19	776	33%	78%	1,867,000	1,026,850	886,934	47.5%
V	6	18	1139	33%	72%	2,970,000	1,633,500	445,906	15.0%
G	4	14	759	33%	71%	1,025,000	563,750	73,925	7.2%
H	2	13	832	33%	72%	509,000	279,950	38,305	7.5%
J	8	18	986	33%	76%	3,592,000	1,975,600	278,977	7.8%
K	7	18	955	33%	75%	2,996,000	1,647,800	306,542	10.2%
M	10	27	998	32%	75%	6,469,000	3,557,950	596,407	9.2%
N*	9	23	1054	33%	81%	5,887,000	3,237,850	479,017	8.1%
T	7	16	952	32%	81%	2,803,000	1,541,650	149,334	5.3%
U	6	16	882	30%	80%	2,033,000	1,118,150	143,271	7.0%
AP*	10	28	832	33%	83%	6,439,000	3,541,450	643,207	10.0%
AF	5	18	972	32%	82%	2,278,000	1,252,900	101,099	4.4%
AG	4	20	835	33%	77%	1,701,000	935,550	21,928	1.3%
AN	8	23	870	32%	83%	4,187,000	2,302,850	39,496	0.9%
TOTAL	127					60,002,000	33,001,100	12,502,668	20.8%

Note: Production volume and number of operating wellpairs are as of April 2015
h is net pay above the producer
L is Liner length (including blanks) with 50m added to each end (100m total)
Cumulative production includes associated infill wells
* Updated in May 2015

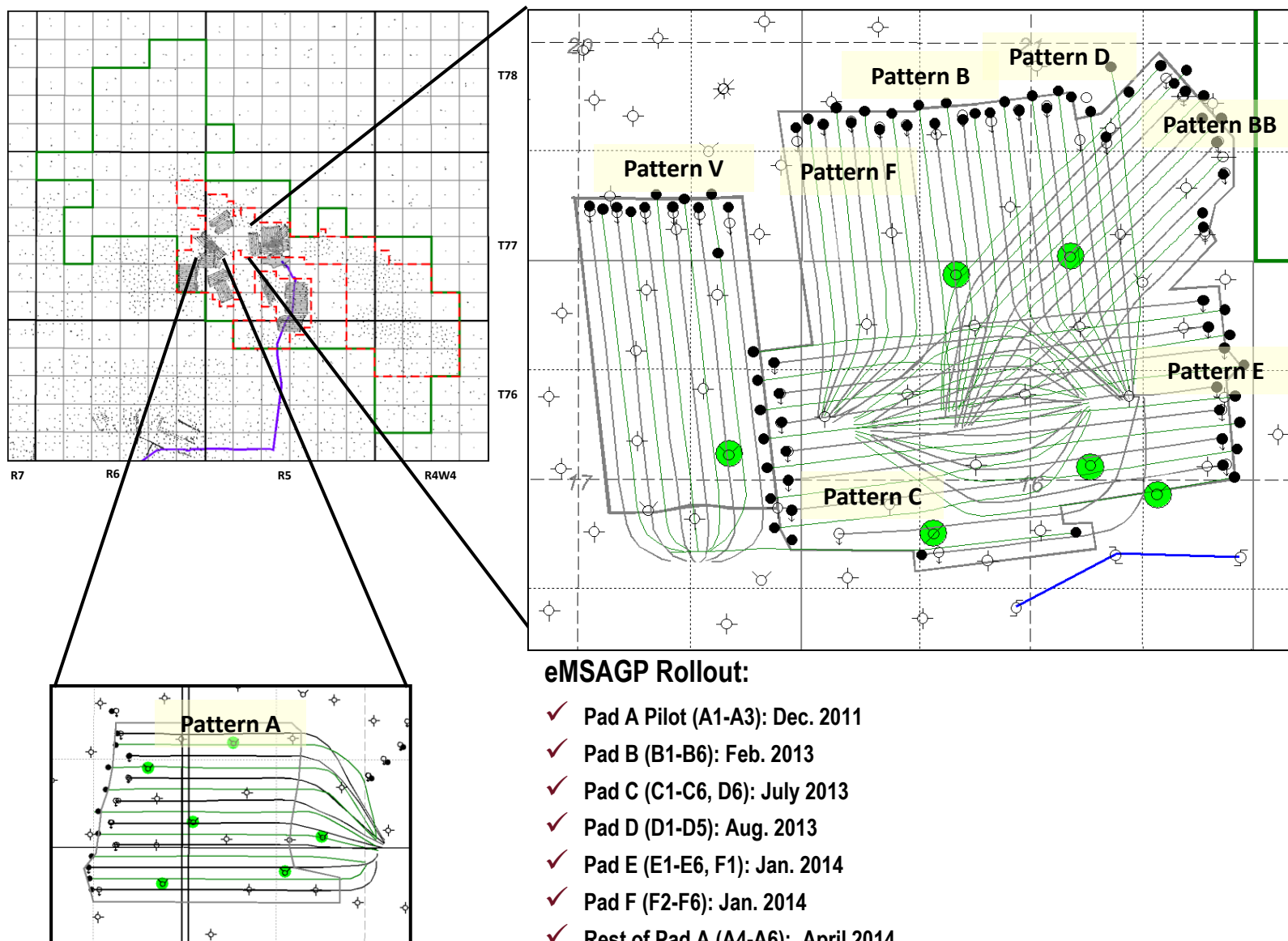


MEG ENERGY

Update on enhanced Modified Steam and Gas Push (eMSAGP)



Phase 1 and Phase 2 Pad Layout



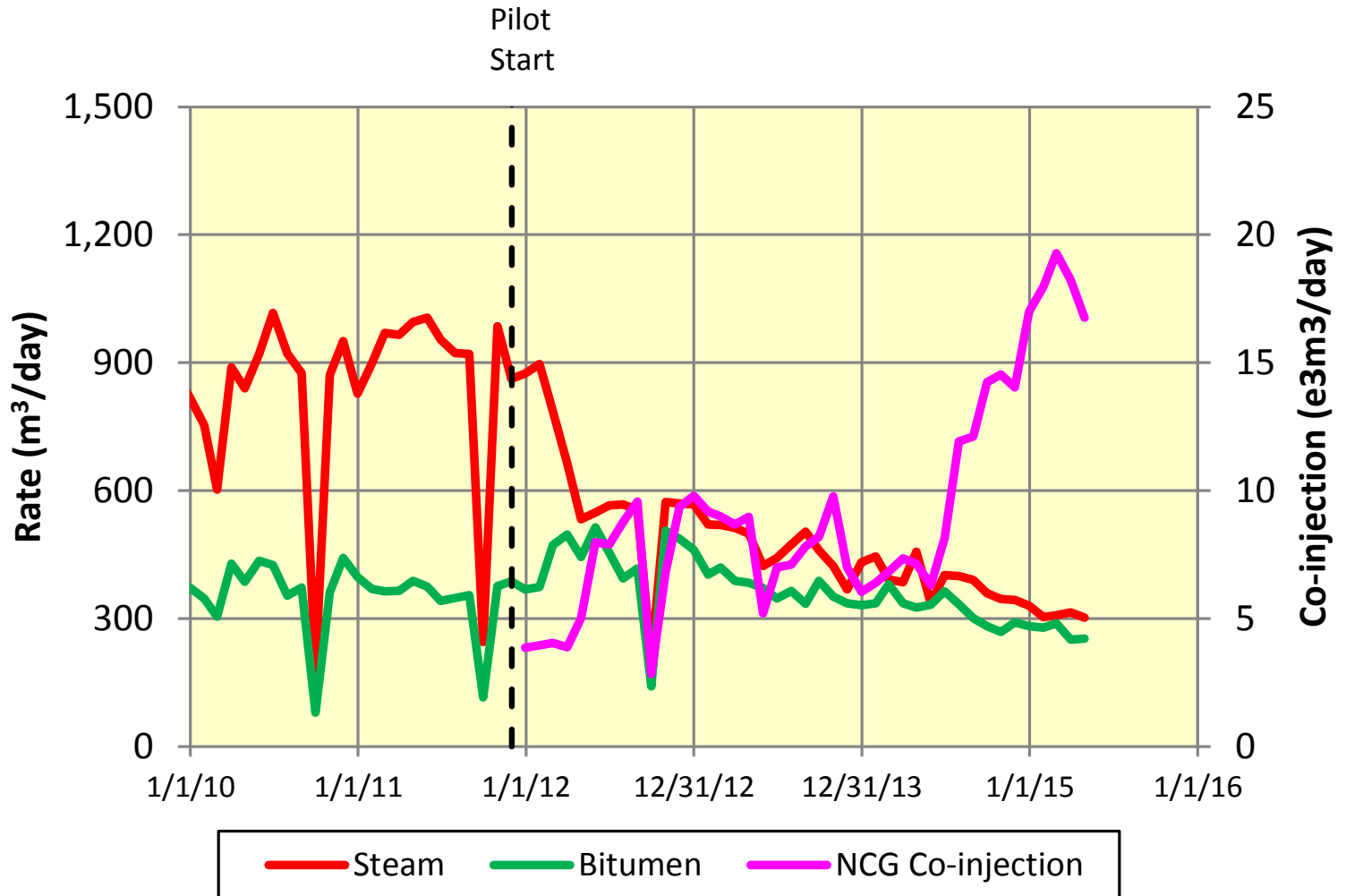


eMSAGP Pilot in Pattern A

- The eMSAGP pilot involves 3 SAGD well pairs (A1, A2 and A3) and 3 infill wells (initially A1N and A2N, later also 0.5*A3N and 0.5*A7N). Non-condensable gas (NCG) and steam are injected into SAGD injectors; production is through SAGD producers and infill wells.
- Co-injection commenced in December 2011. The first two infill wells were brought on production in January 2012 after steam stimulation. A3N and A7N were put on production in January 2014.
- Over ~3.5 years, steam injection has been reduced by about 63%.
 - NCG injection reduces steam requirement while maintaining steam chamber pressure.
 - Combined bitumen production is consistently better than that expected from SAGD alone.
 - SOR has dropped from ~2.5 to ~1.2, resulting in more wells being brought on and proportionally lower emissions and water usage.
- To-date, pilot performance has been very satisfactory.

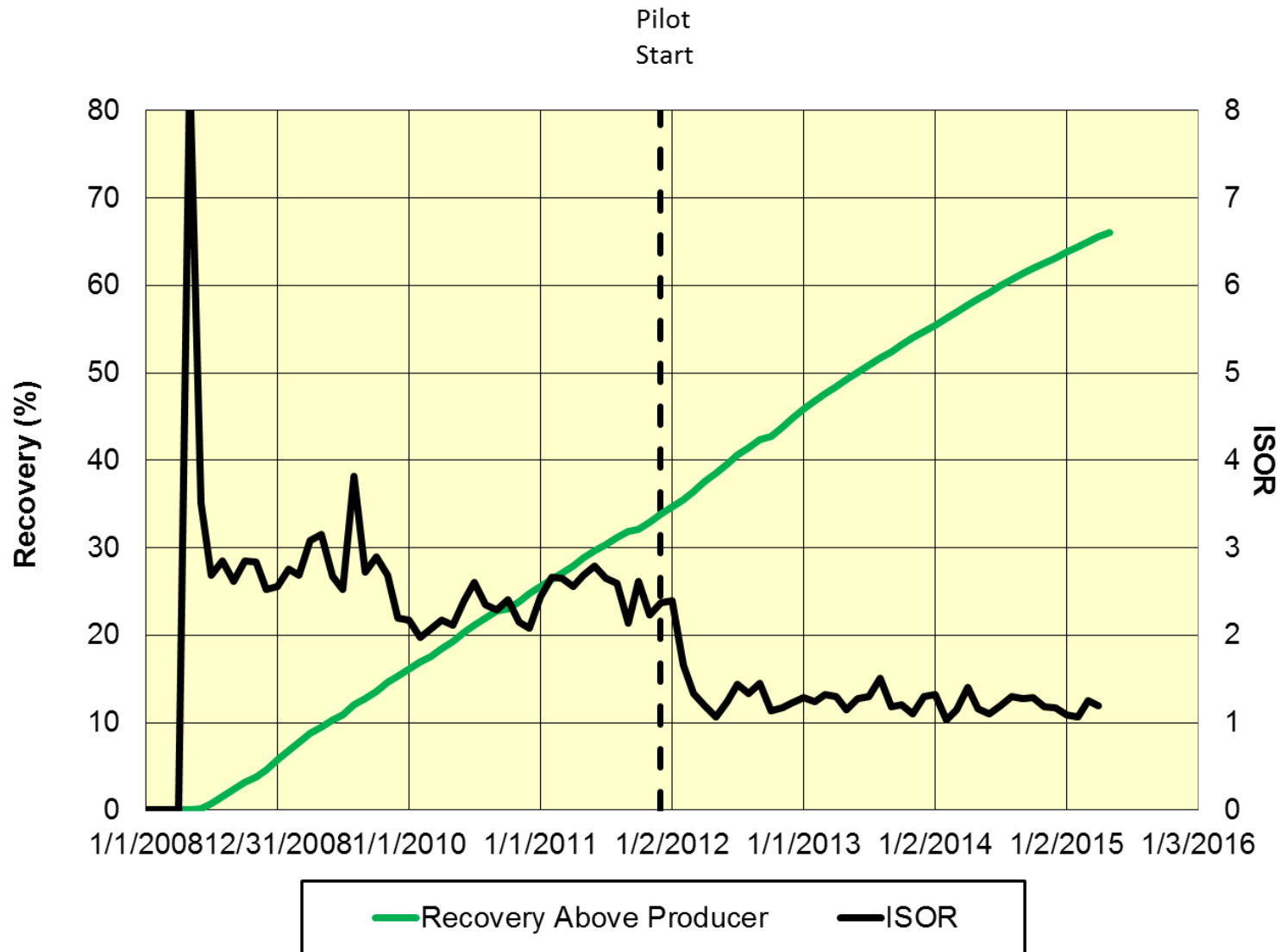


Performance of eMSAGP Pilot



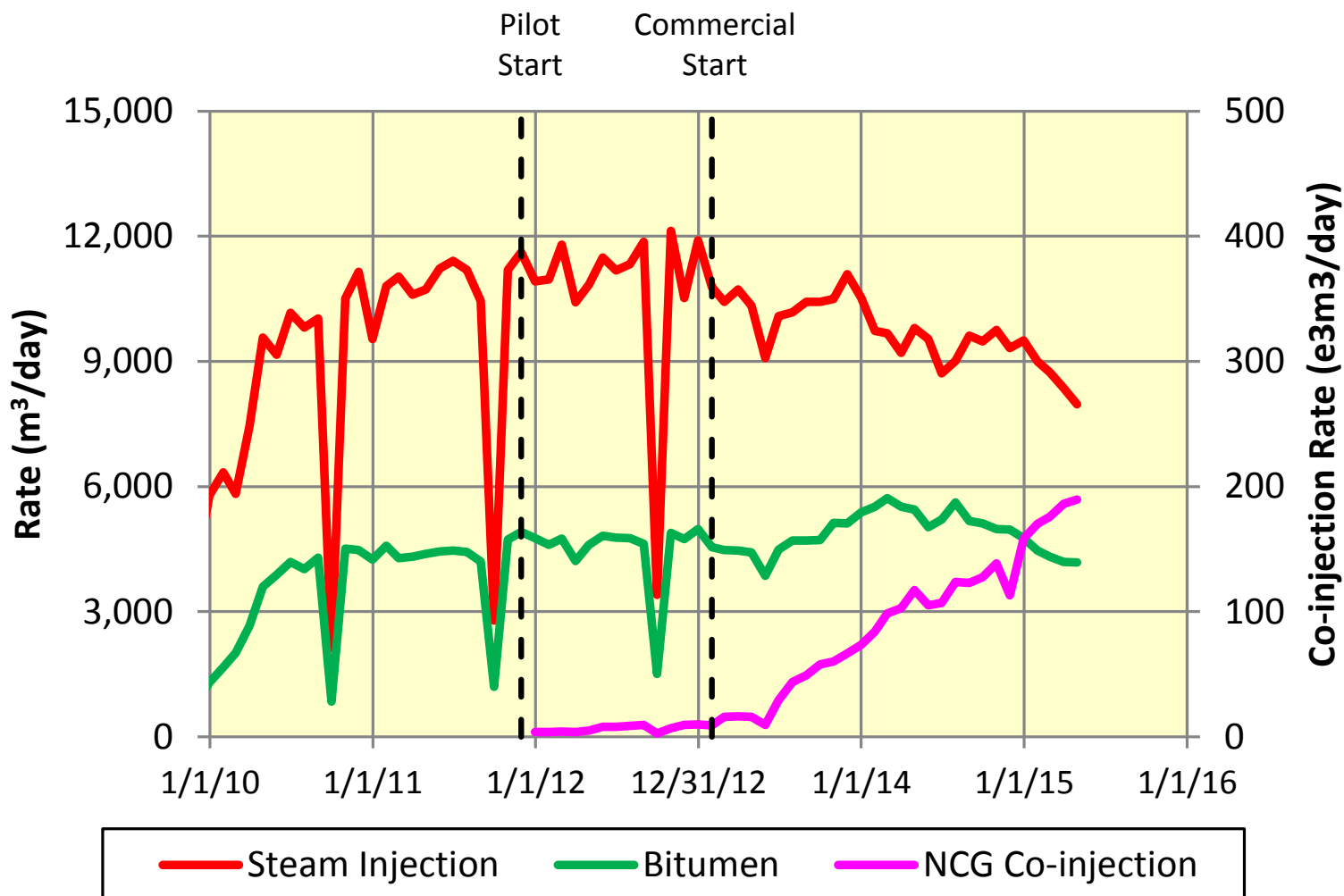


Performance of eMSAGP Pilot



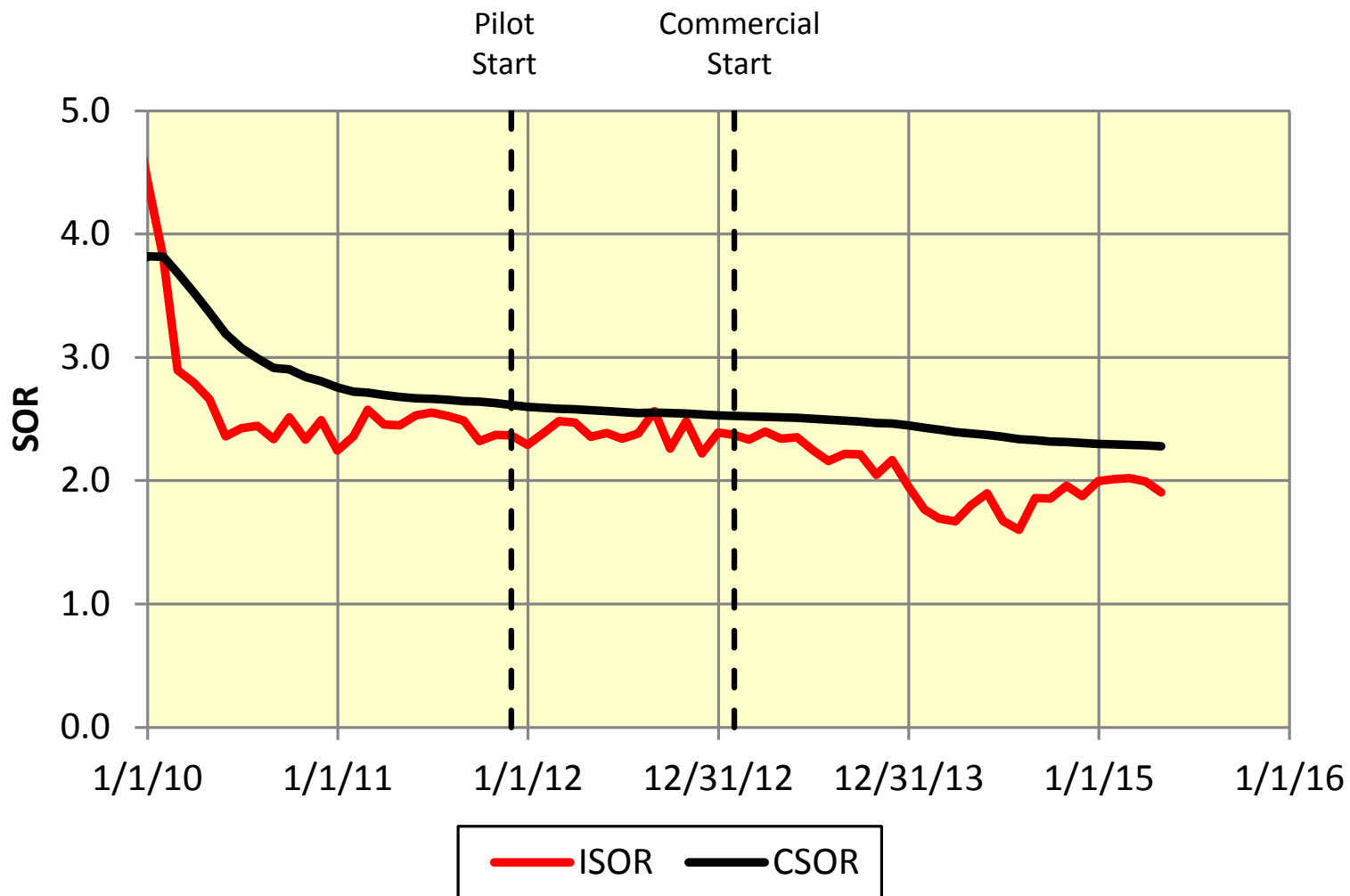


Performance of eMSAGP Wells





SOR of eMSAGP Wells





Summary of eMSAGP Development

- After 3.5 years, the eMSAGP pilot has demonstrated consistent and very satisfactory performance. Higher bitumen production rate was achieved at a much lower SOR, averaging 1.2 over the period.
- Following the success of the pilot, commercial application of eMSAGP has been implemented in patterns B, C, D, E, F and 3 more wells in Pattern A (A4 to A6).
- Performance to date strongly suggests repeatable performances from pattern to pattern.
- Freed up steam has been redeployed to start new SAGD and infill wells.
- Since the initiation of B Pattern eMSAGP in Feb 2013, the bitumen production rate for Phases 1 and 2 has increased and ISOR has come down from 2.4 to 1.9. Total reduction in steam injection was about 27% to April 2015.



MEG ENERGY

CLRP Gas Cap Re-pressuring

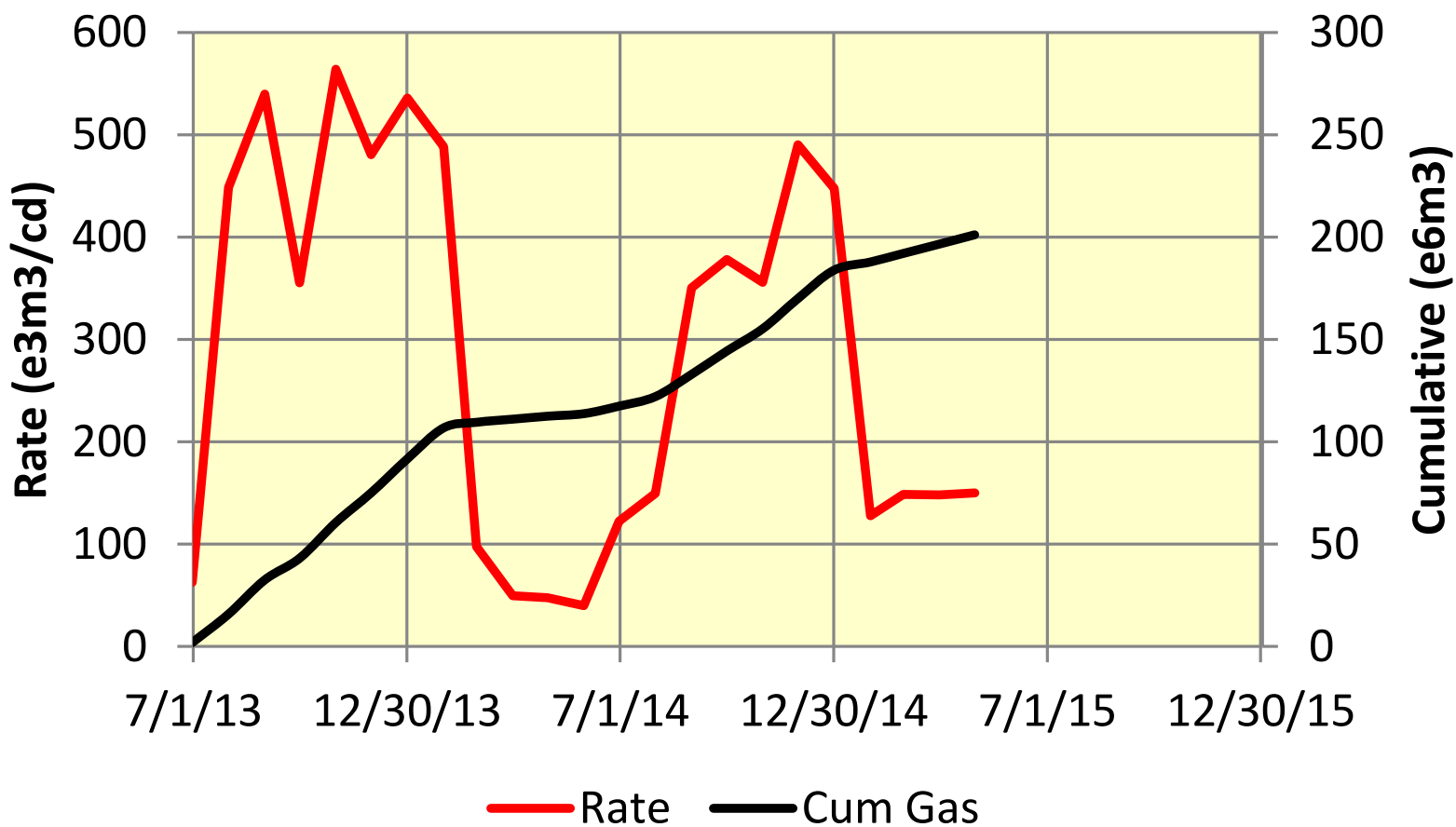


Gas Cap Re-pressuring Project Update

- The AER approval was granted in November 2012
- Natural gas injection into 5 wells commenced in June 2013
- Total injection to date was 201 e6m3 (~7.1 BCF), with an average injection rate of 242 e3m3/day (8.7 mmscf/day) over the period
- Pressure responses have been observed in all 5 monitoring wells
- Estimated gas zone pressure above the active SAGD patterns (M & N) was about 2,000 kPag, about the same level as the initial gas cap pressure
- Performance to date indicates faster pressure increase over the active SAGD area which allows for a lower gas injection rate
- Plan is to maintain the current pressure on top of the active SAGD area and monitor pressures in gas and SAGD zones closely

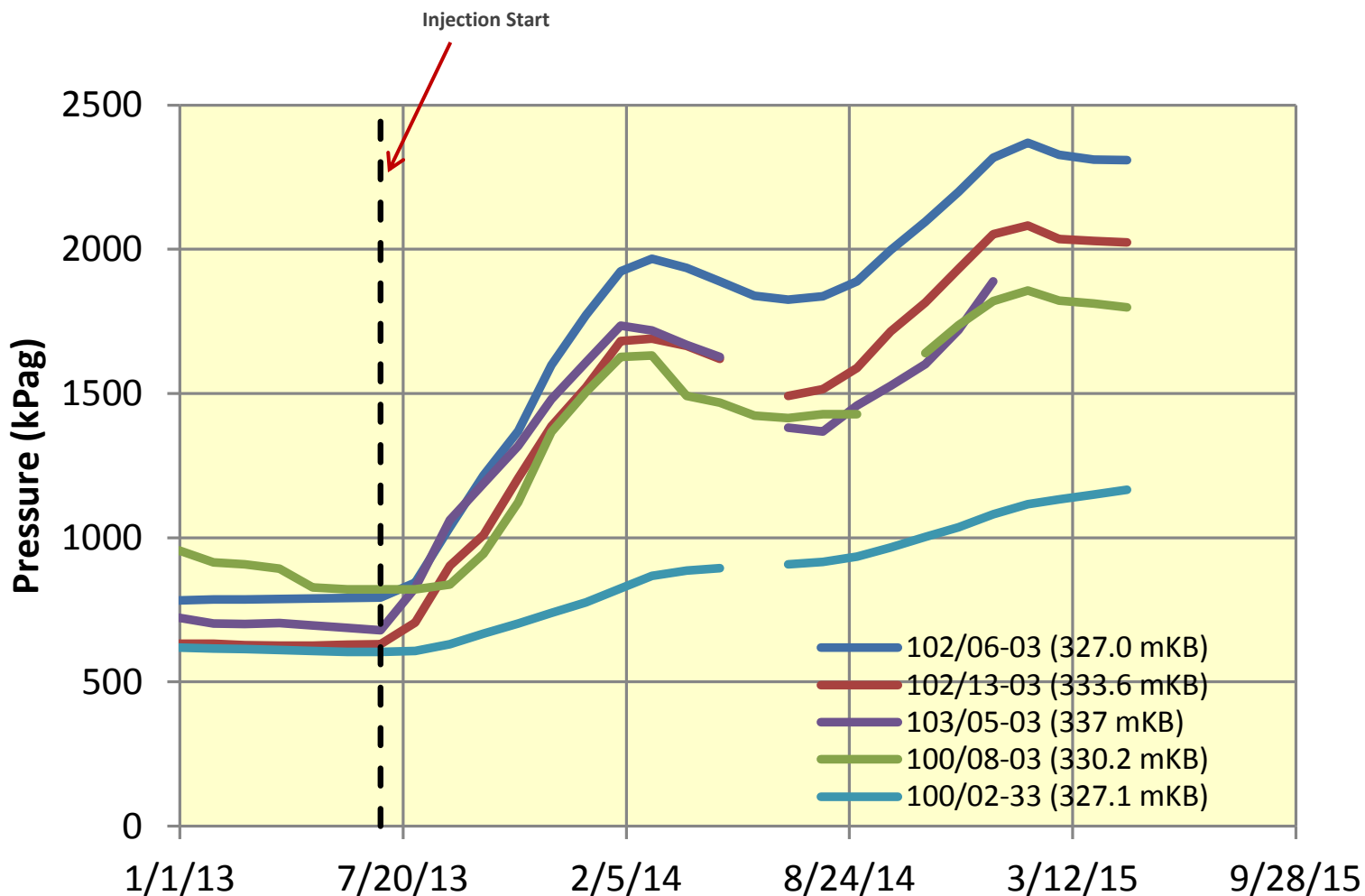


Gas Injection





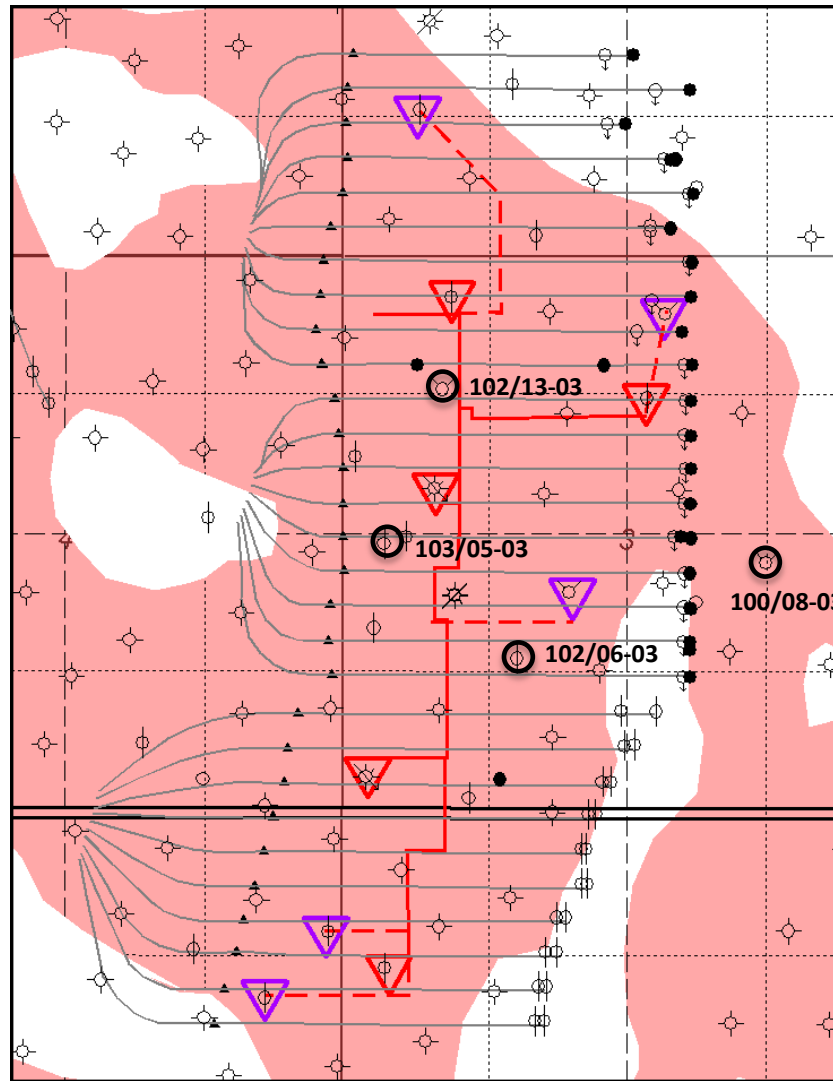
Observation Well Pressure Readings



The 100/02-33 well is roughly 1,600 meters away from the active injection/SAGD area



CLRP Gas Cap Re-pressure Scheme (Patterns M & N)



T77

T76

R5W4

- Gas injection wells
- Gas injection wells (future)
- Gas pipeline
- Gas pipeline (future)
- McMurray Channel Gas Pool in direct and indirect contact with SAGD interval
- Observation Wells

Note:

Not all SAGD intervals in the pool wells are directly connected to associated gas

Operations



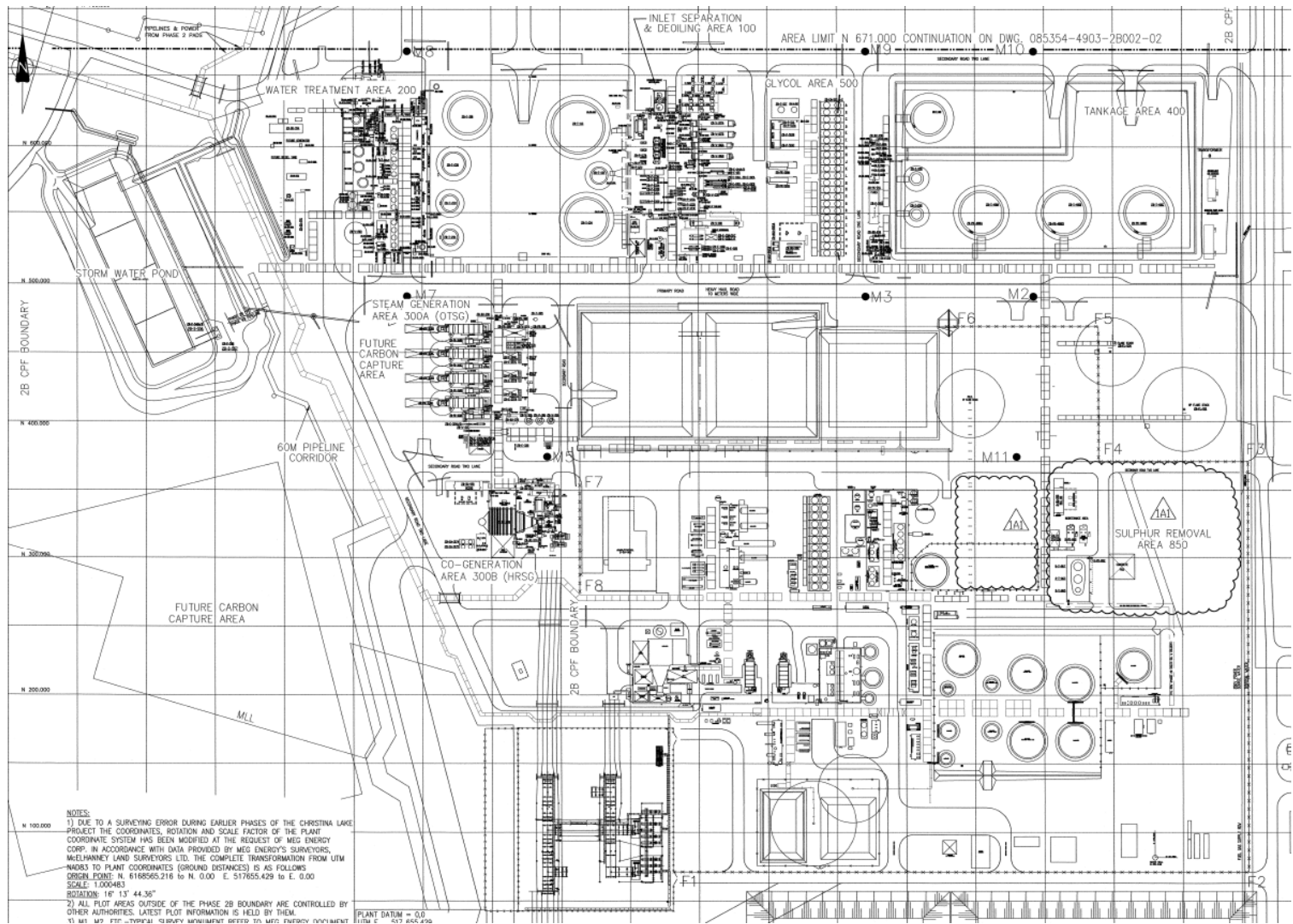


Operations Overview

- Operation Overview
- Bitumen Treatment
- Water Treatment
- Steam Generation
- Power Generation
- Gas Usage
- Measurement and Reporting

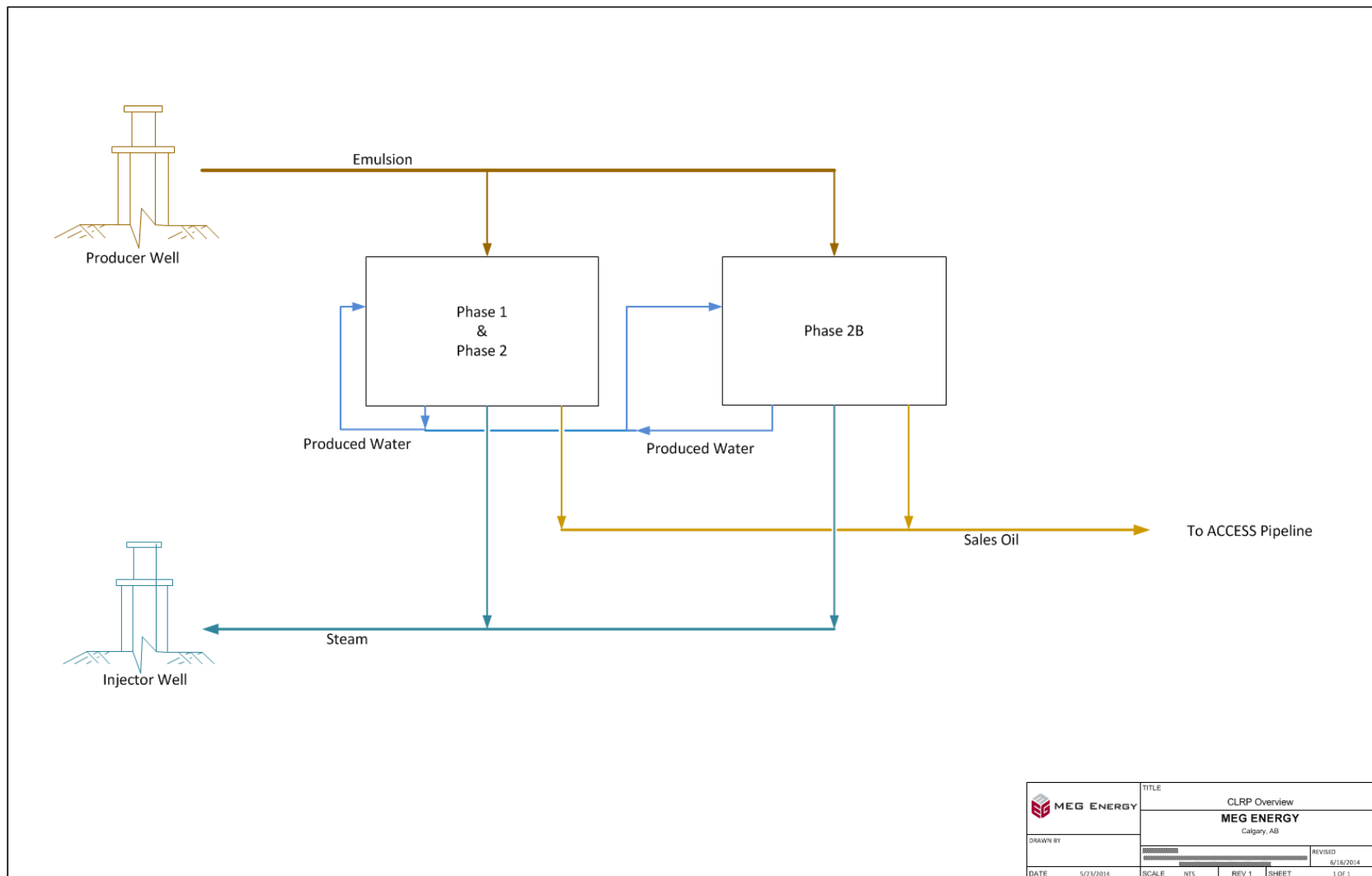


CPF Site Plan





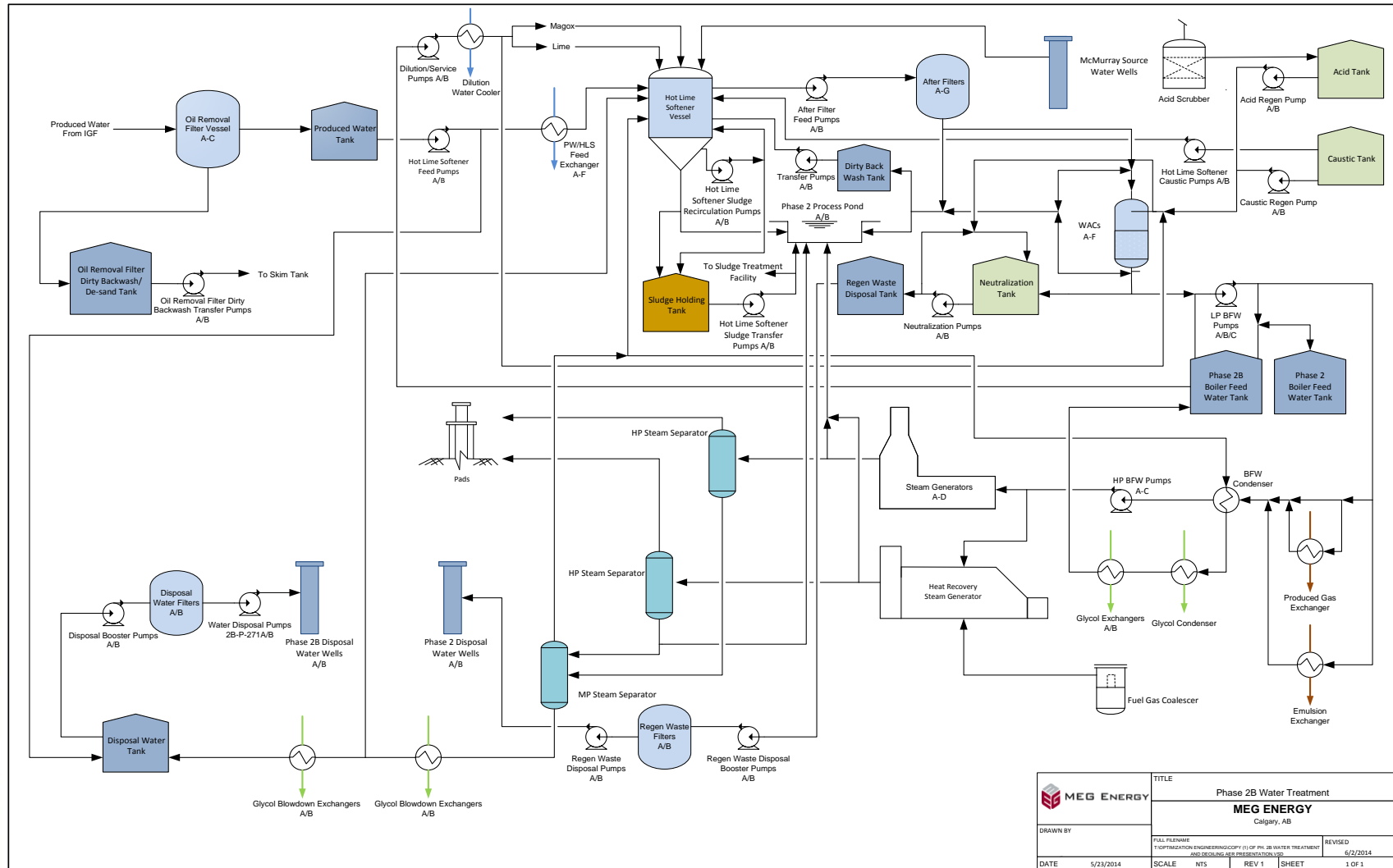
Integrated Distribution/Gathering System







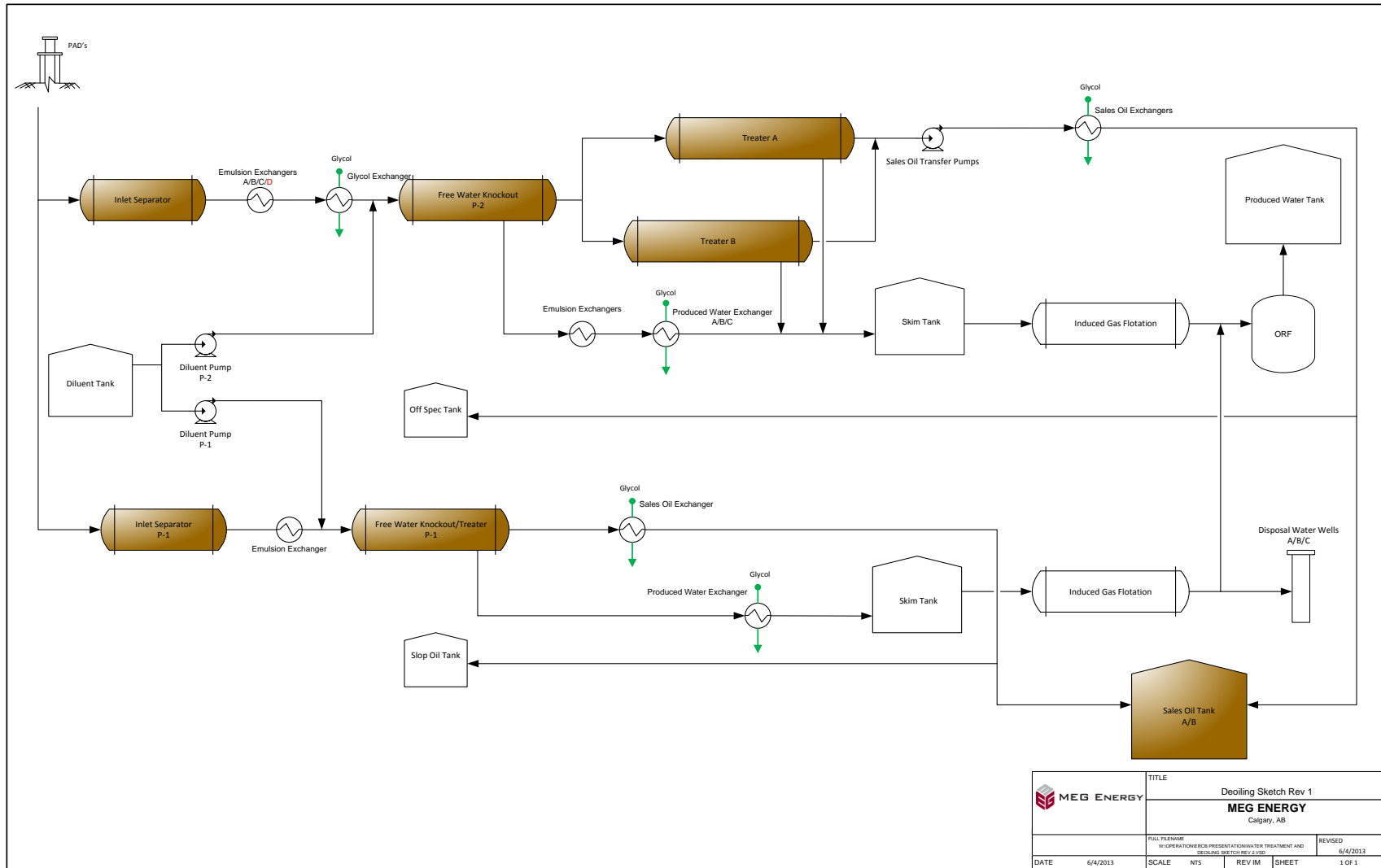
Water and Steam Process Overview Phase 2B



	TITLE			
	Phase 2B Water Treatment			
DRAWN BY	MEG ENERGY			
	Calgary, AB			
DATE	5/23/2014		REVISED	
	SCALE		6/2/2014	
DATE	5/23/2014		REV 1	
	SCALE		SHEET	
		NTS		1 OF 1



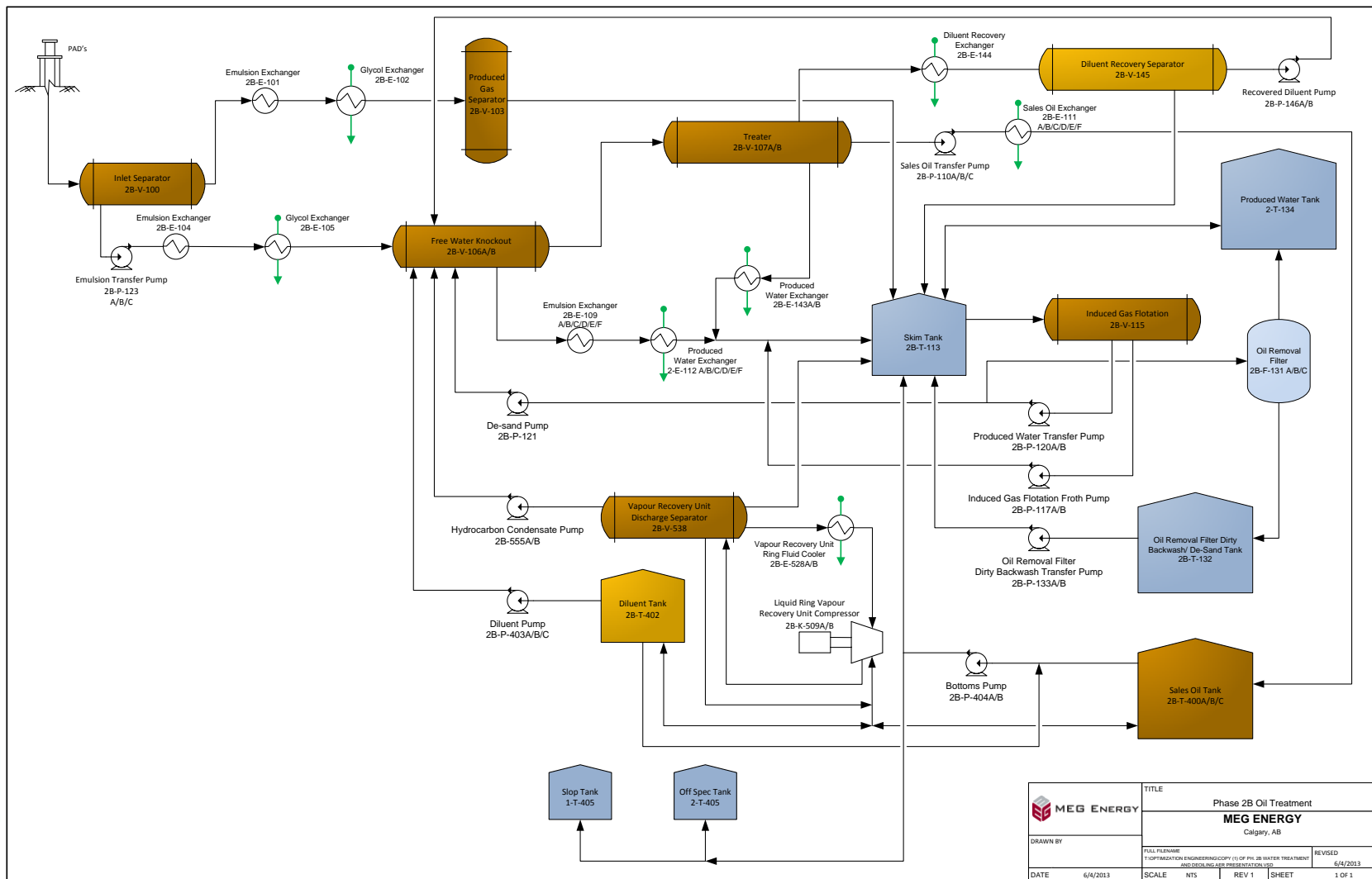
Oil Treatment Overview Phase 1 and 2



	TITLE			
	Deoiling Sketch Rev 1			
	MEG ENERGY Calgary, AB			
FULL FILE NAME W:\OPERATIONS\PRESENTATION\WATER TREATMENT AND DEOILING\DEOILING SKETCH REV 1.DWG				REVISED 6/4/2013
DATE 6/4/2013	SCALE NTS	REV-IM	SHEET	1 OF 1



Oil Treatment Overview Phase 2B



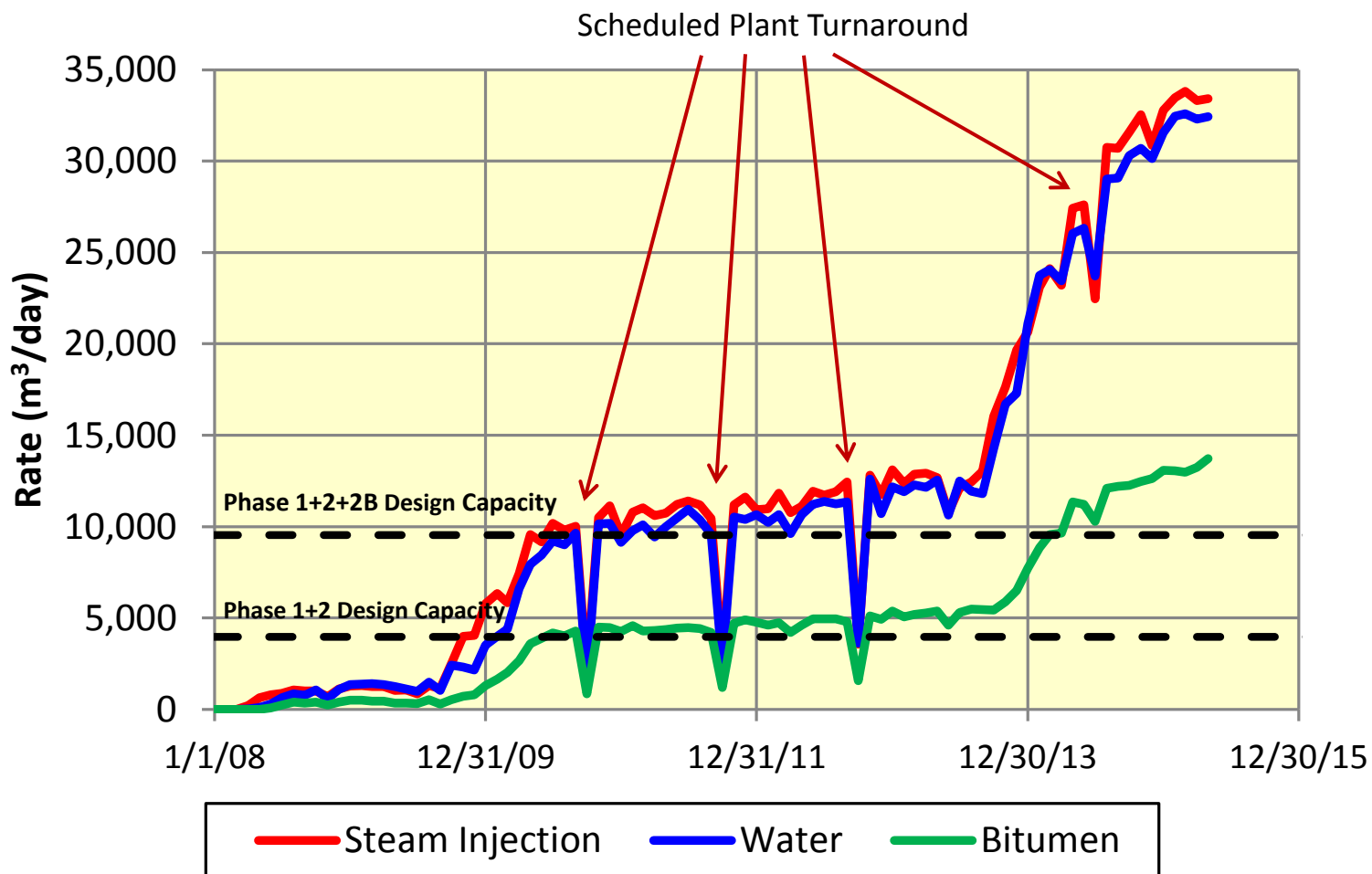


Additions/Modifications

- Sulfur Removal Unit completed and started up in August 2014.
 - Allowed MEG to continue to meet EPEA and Interim Directive 2001-3 commitments.

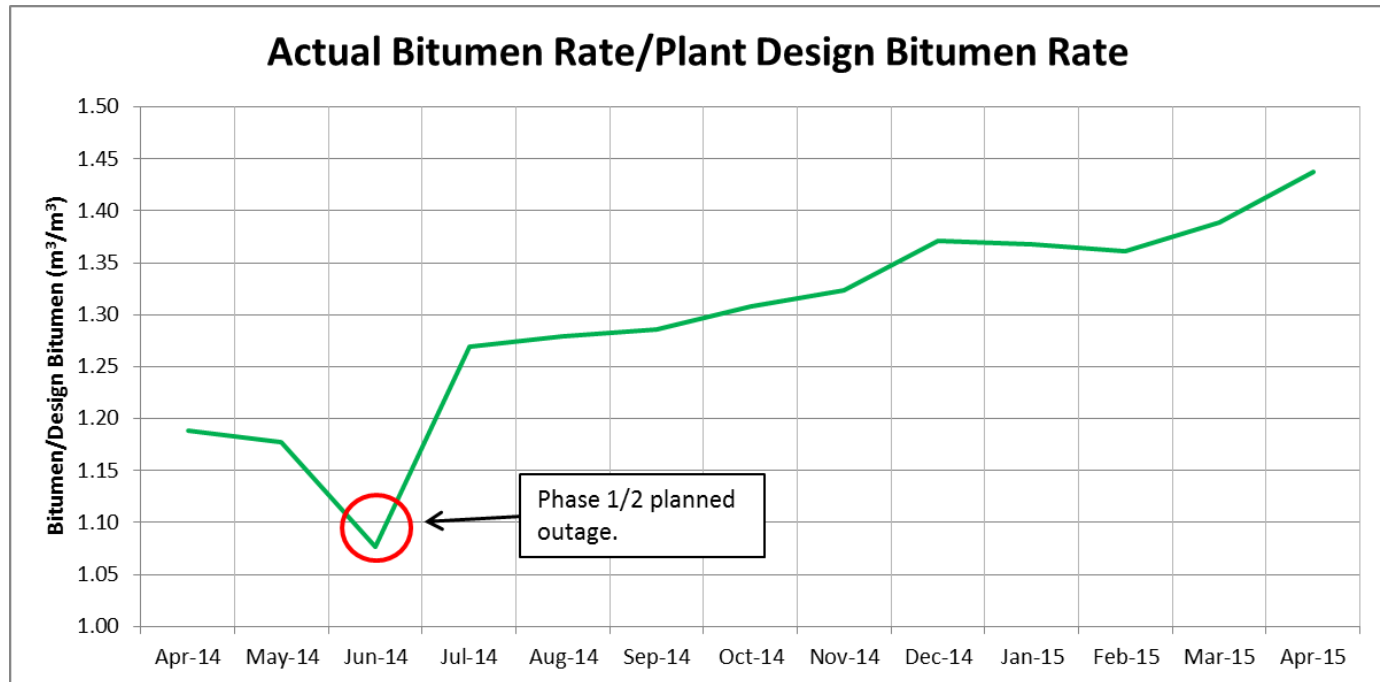


CLRP Production Performance





Facility Performance: Bitumen Treatment



MEG's Phase 2 and Phase 2B FWKOs and Treaters were designed using a range of diluents with densities ranging from synthetic crude to naphtha.

Since plant commissioning, MEG has been using a naphtha based diluent. Since less naphtha diluent than synthetic crude diluent is required to meet the target dilbit density, the dilbit contains a higher percentage of bitumen. This increases the overall oil capacity of an oil processing plant.

In addition to the above, MEG's equipment design has a designated residence time. In actual operation, a lower residence time than the original design has been required to achieve satisfactory oil-water separation. This has allowed the overall capacity of the plant to be increased.



Facility Performance: Bitumen Treatment

Successes

- Implemented various small projects to increase capacity of Phase 2B plant.
- Implemented skimming and fluid management strategy to reduce trucking.
- Produced gas routed to Sulfur Removal Unit for treatment.
- Implemented load shedding scheme to mitigate impact of plant or well pad trips on emulsion gathering system.
- Cleaned glycol coolers for improved cooling capacity.

Issues Being Addressed

- Produced water exchanger fouling
- Phase 2 glycol cooling system is limited during summer months.



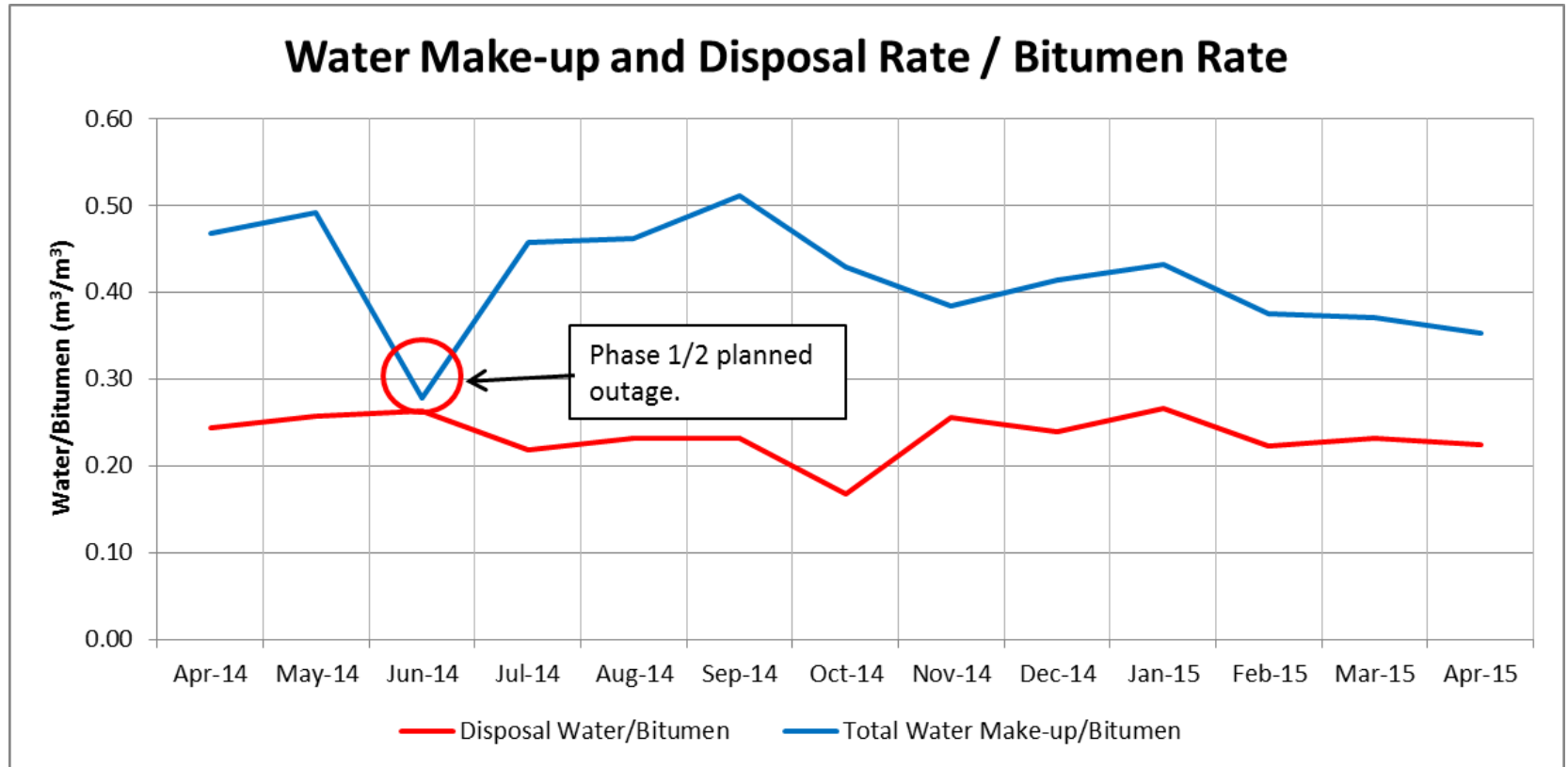
Facility Performance: Bitumen Treatment

Future Actions

- As production is ramped up, optimizing recovery of heat from emulsion to BFW pre-heat.
- Managing operation of PW exchangers to maximize recovery of heat into the HLS feed.
- Continued optimization of slop oil treating and reduction initiatives.



Facility Performance: Water Treatment





Facility Performance: Water Treatment

Successes

- Continue recycling high blowdown volumes.
- Continuous use of saline water.
- New liner installed in west pond

Issues Being Addressed

- After-filter media carryover.
- Phase 2B magnesium oxide feeding issues.
- Leaking around penetration point in west pond.



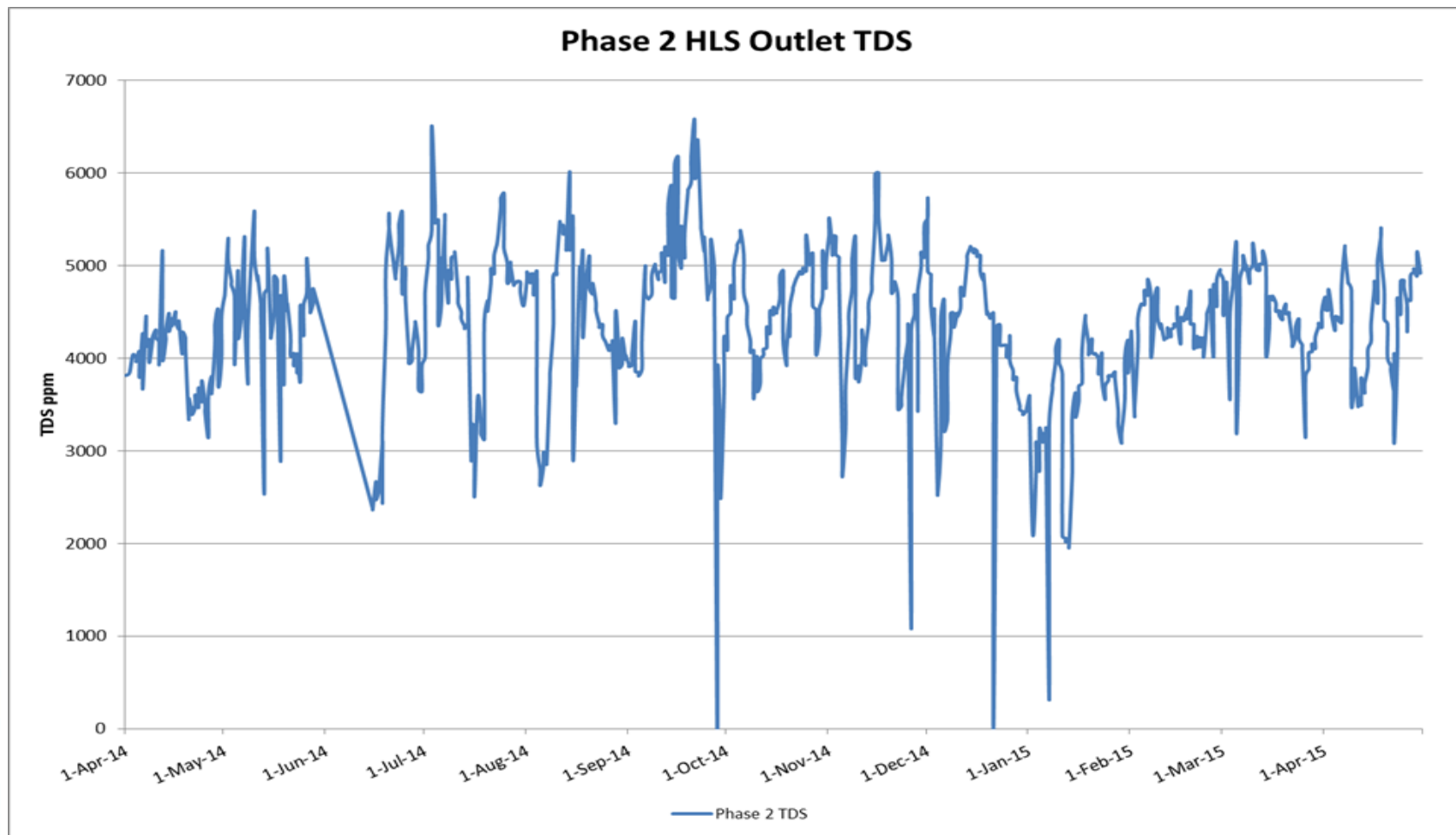
Facility Performance: Water Treatment

Future Actions

- West pond liner penetration being removed.
- Testing mono-media in after-filters.
- Continuing testing of magnesium oxide feeding options.

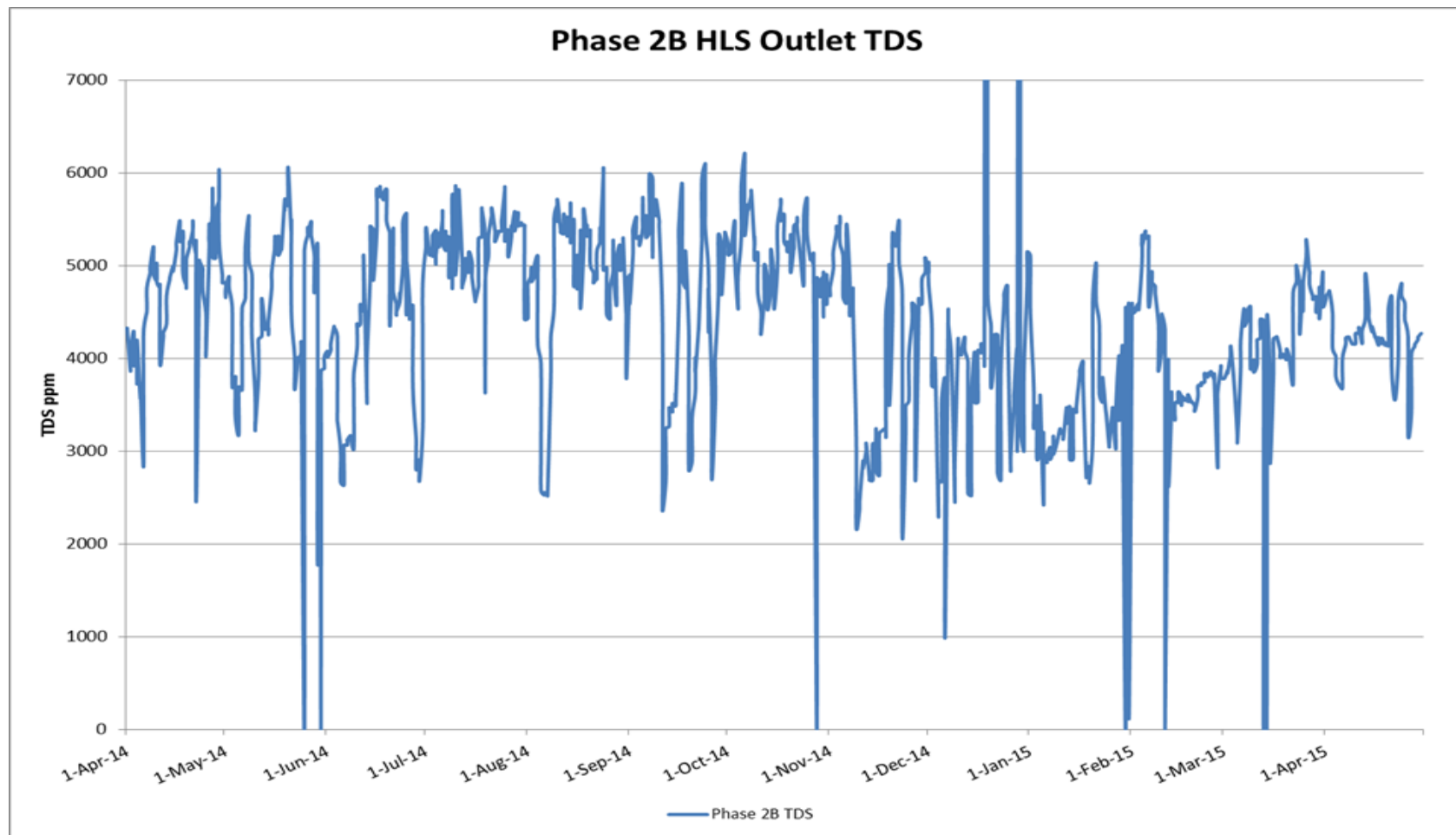


Phase 2 TDS Boiler Feed Water



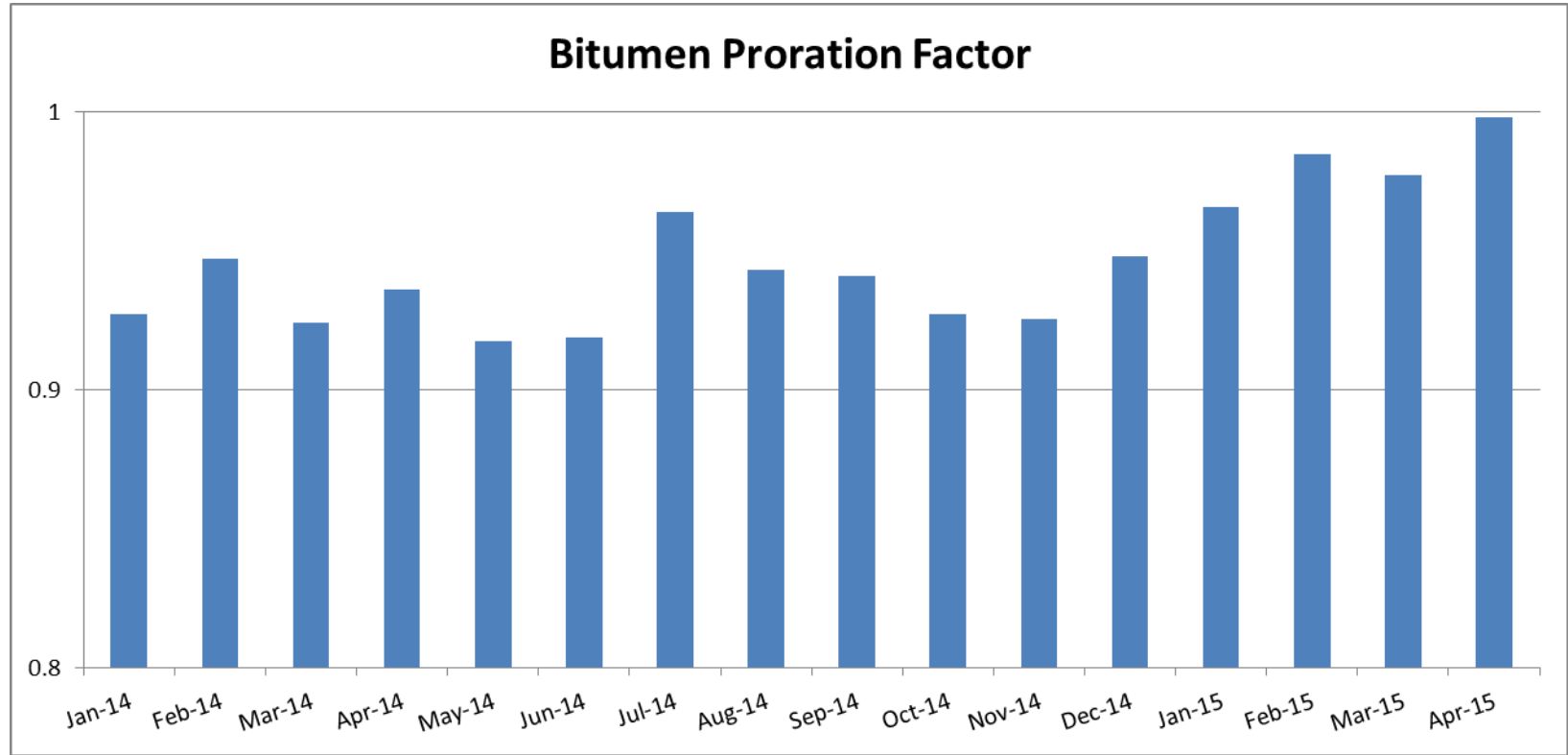


Phase 2B TDS Boiler Feed Water



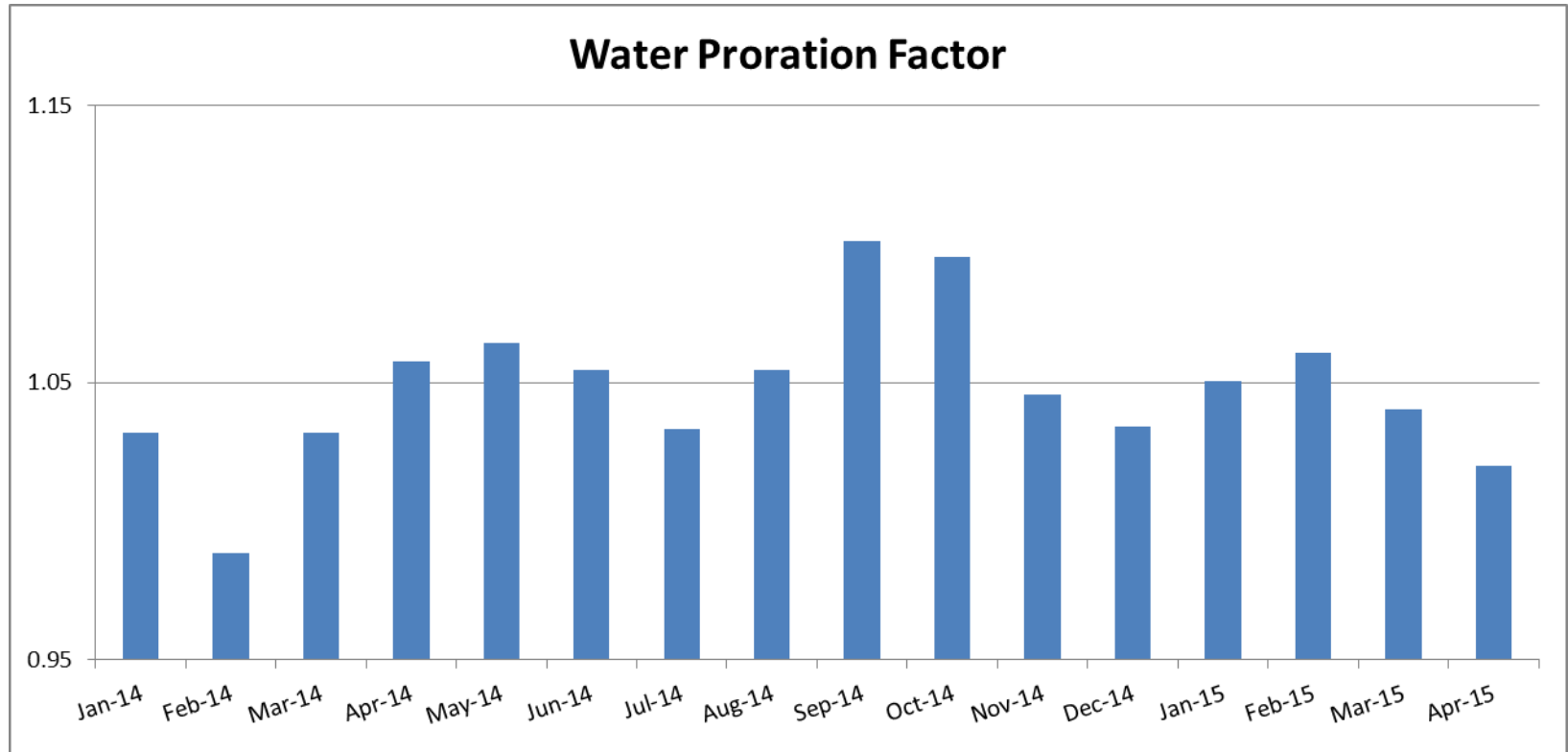


Proration Factors



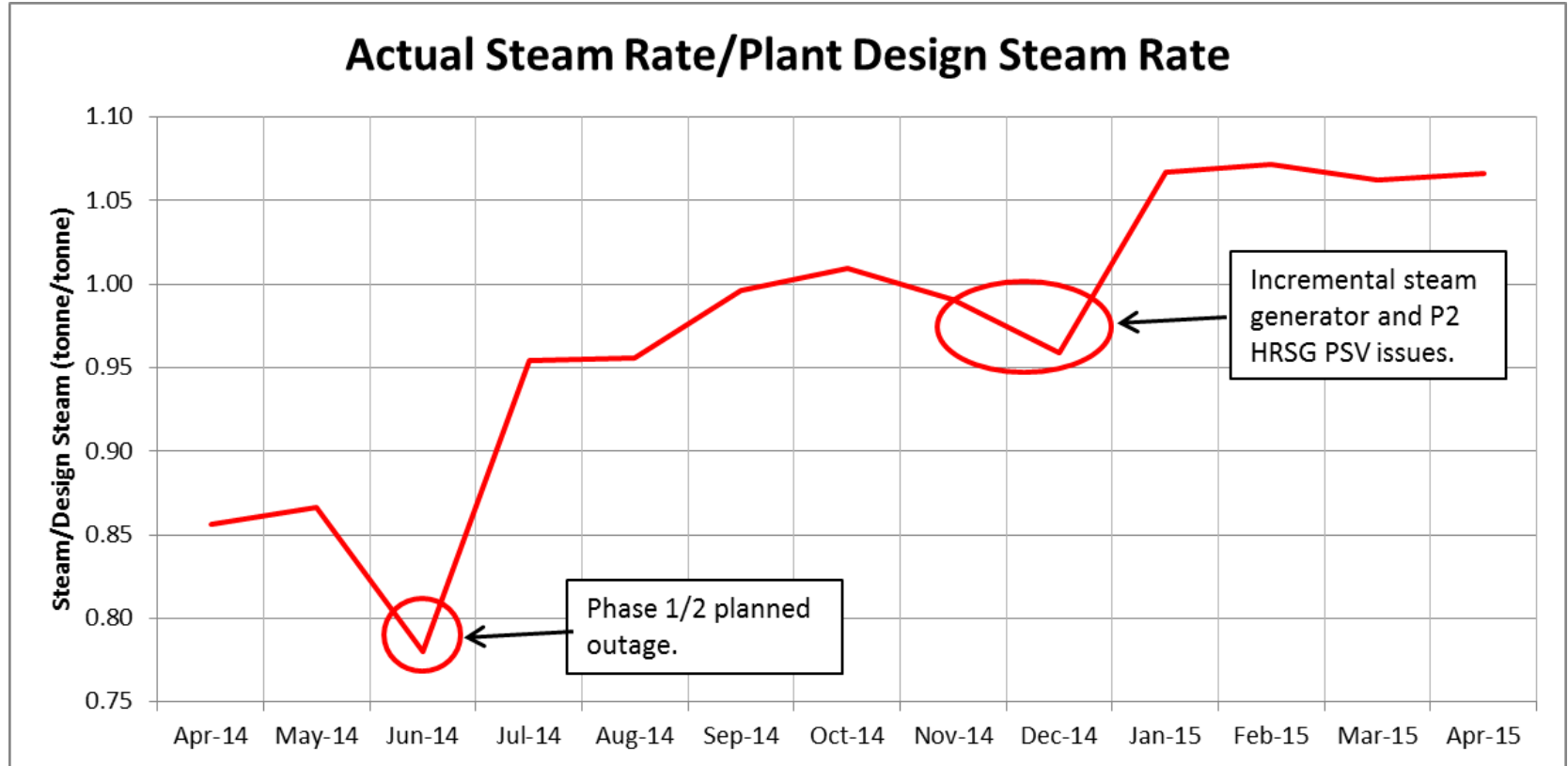


Proration Factors





Facility Performance: Steam Generation





Facility Performance: Steam Generation

Successes

- Stable operation throughout the year
- Took advantage of lower operating pressures in the Phase 2B HRSG and OTSGs to increase steaming capacity.
- Increased steam quality in the Phase 1/2/2B OTSGs from 78% to 80% (design quality).
- Planned Phase 1/2 plant outage – completed combustion inspection on Phase 2 GTG and pigged Phase 2 HRSG and Phase 1/2 OTSGs.
- Wind fence trial at pond to reduce blowdown plume appears successful – looking at expanding.
- Successfully implemented steam balance as secondary measurement.

Issues Being Addressed

- Tube corrosion issues in two 50 MMBtu/hr boilers.
- Relief valve leaking on Phase 2 HRSG



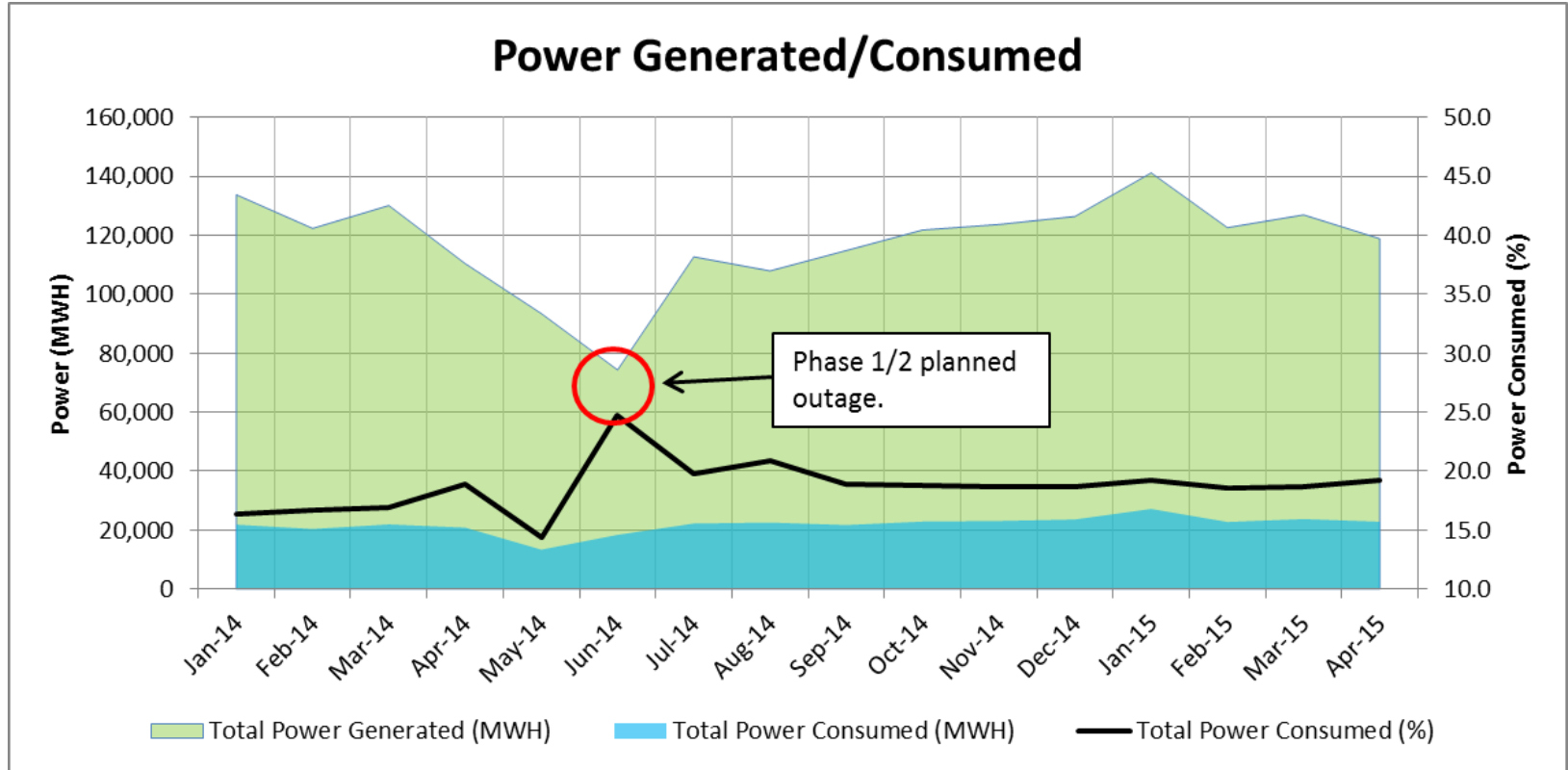
Facility Operations: Steam Generation

Future Actions

- Continue optimizing steam generator discharge quality while implementing enhanced monitoring program.
- Implement overall HP steam distribution control philosophy.
- Implement more detailed steam generator availability and utilization tracking.

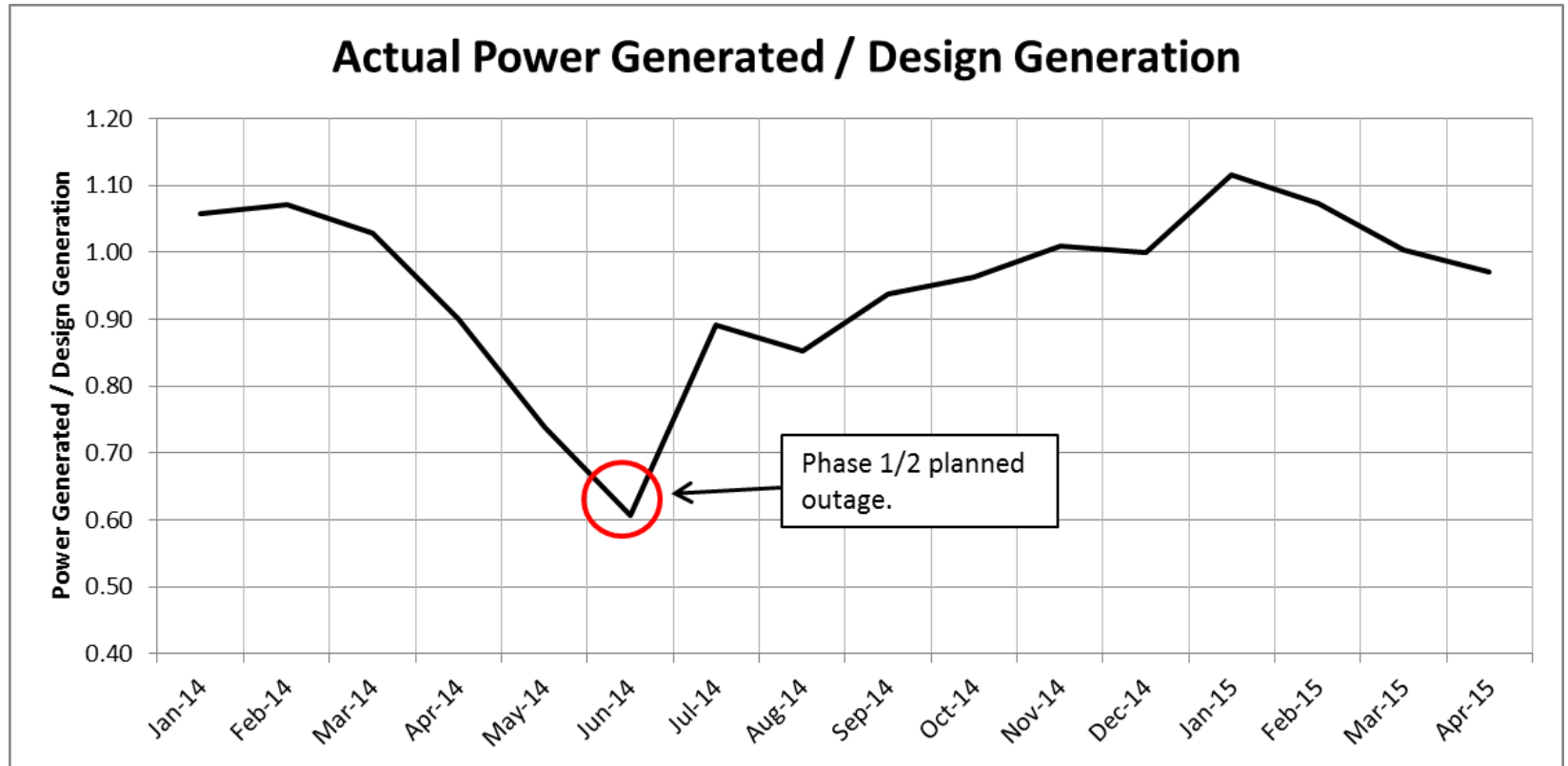


Facility Performance: Power Generation





Facility Performance: Power Generation





Facility Performance: Power Generation

Successes

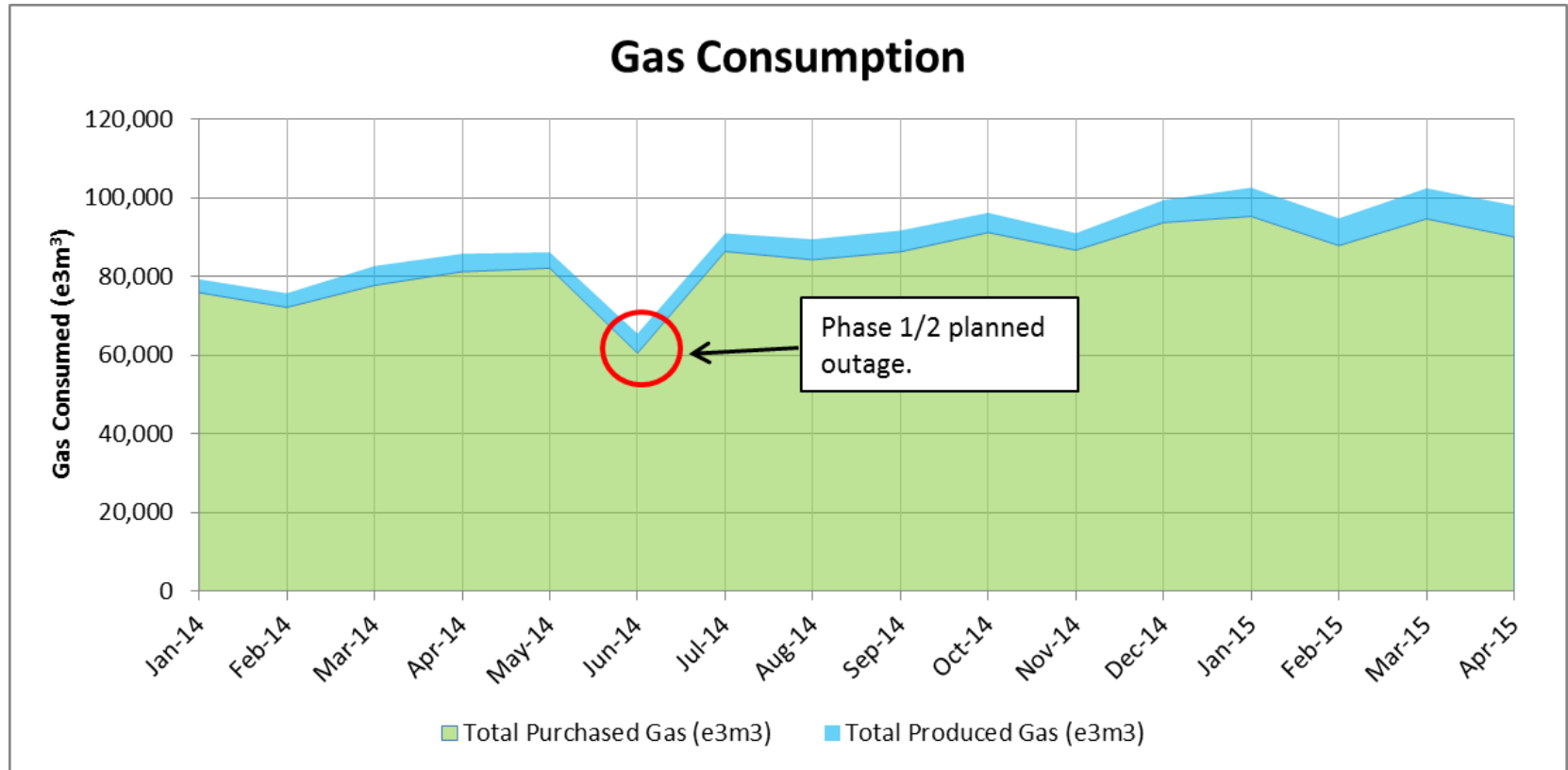
- Stable operation throughout the year

Issues Being Addressed

- No significant issues.

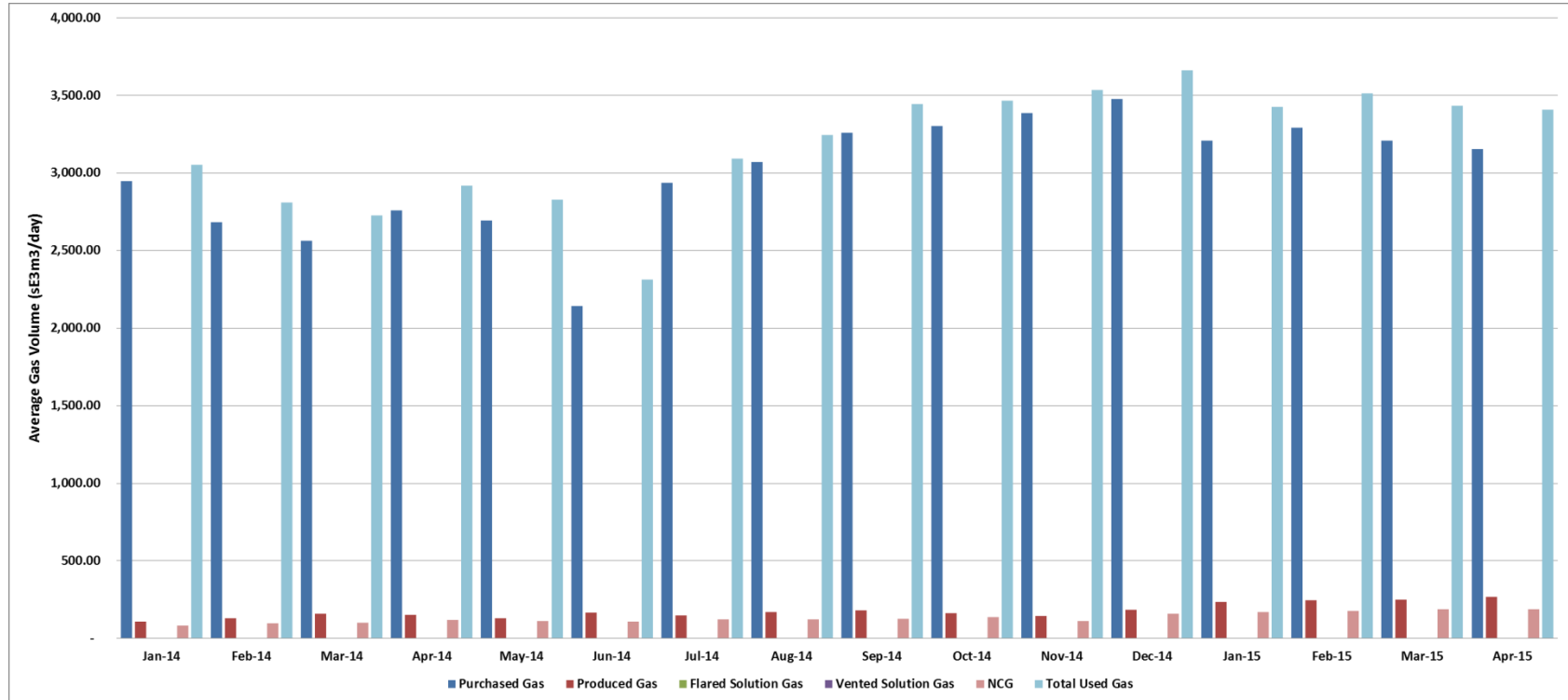


Facility Performance: Gas Usage



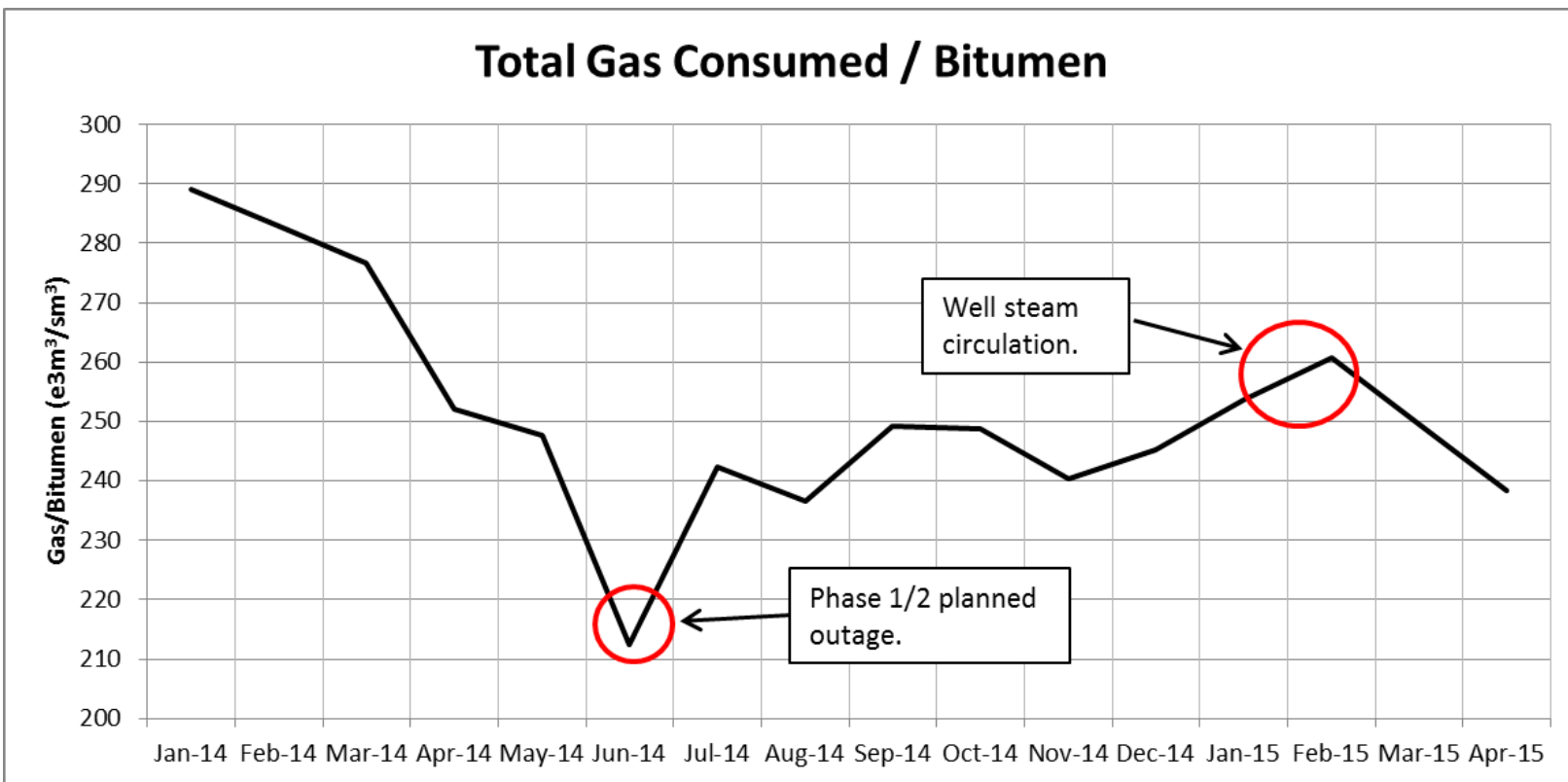


CLRP Gas Balance





Facility Performance: Gas Usage





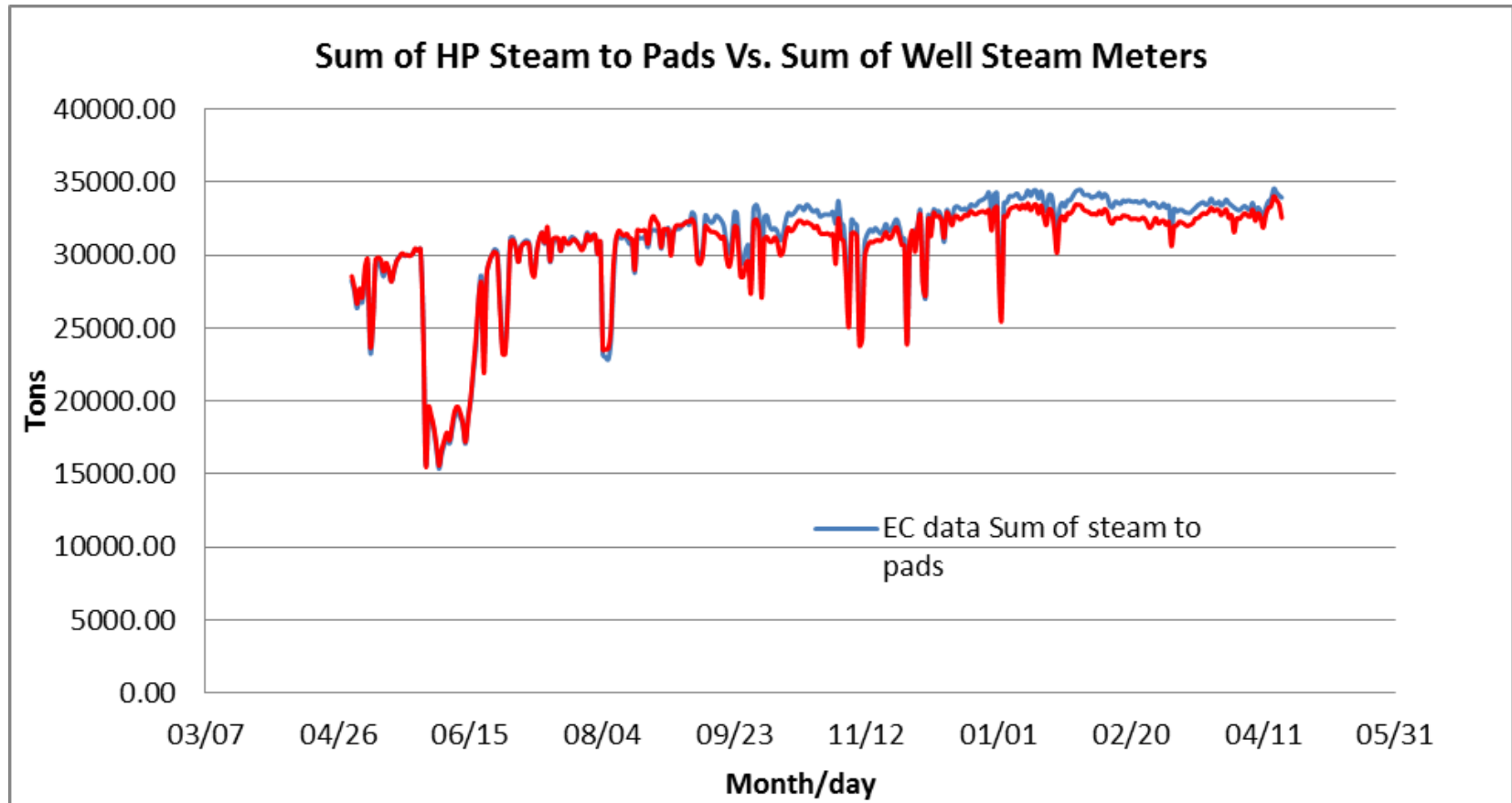
Facility Performance: Measurement

- AGAR BS&W meters commissioned and calibrated for all operational pads in 2014.
 - Full PM cycle and annual calibration approximately 75% complete for 2015.
- Successfully completed three years of testing of P1/2 water wells and one year of well tests on the new P2B water wells.
 - No significant gas detected via third party well testing.
- Implemented engineering calculation for secondary steam measurement for Phase 2B HP steam to well pads.

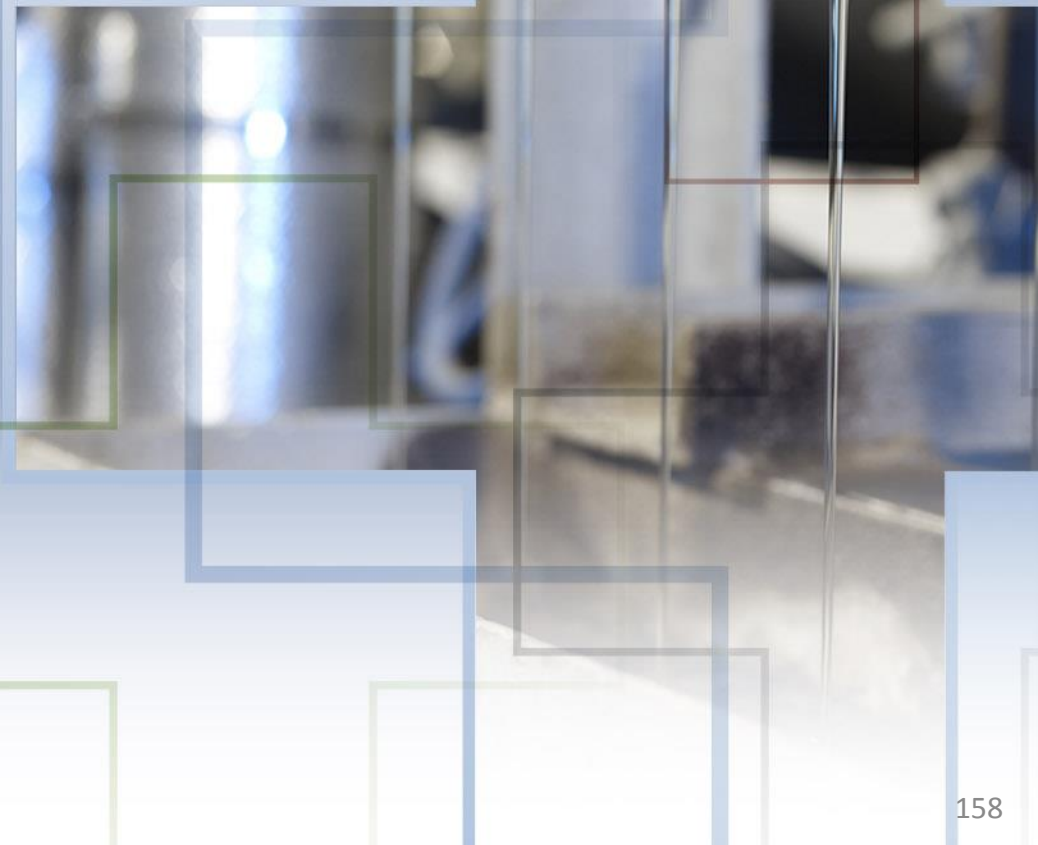


Facility Performance: Measurement

- Yearly comparison of “Sum of HP steam to well pads” and “Sum of well pad steam meters” returned a yearly average of 1.6%.



Water



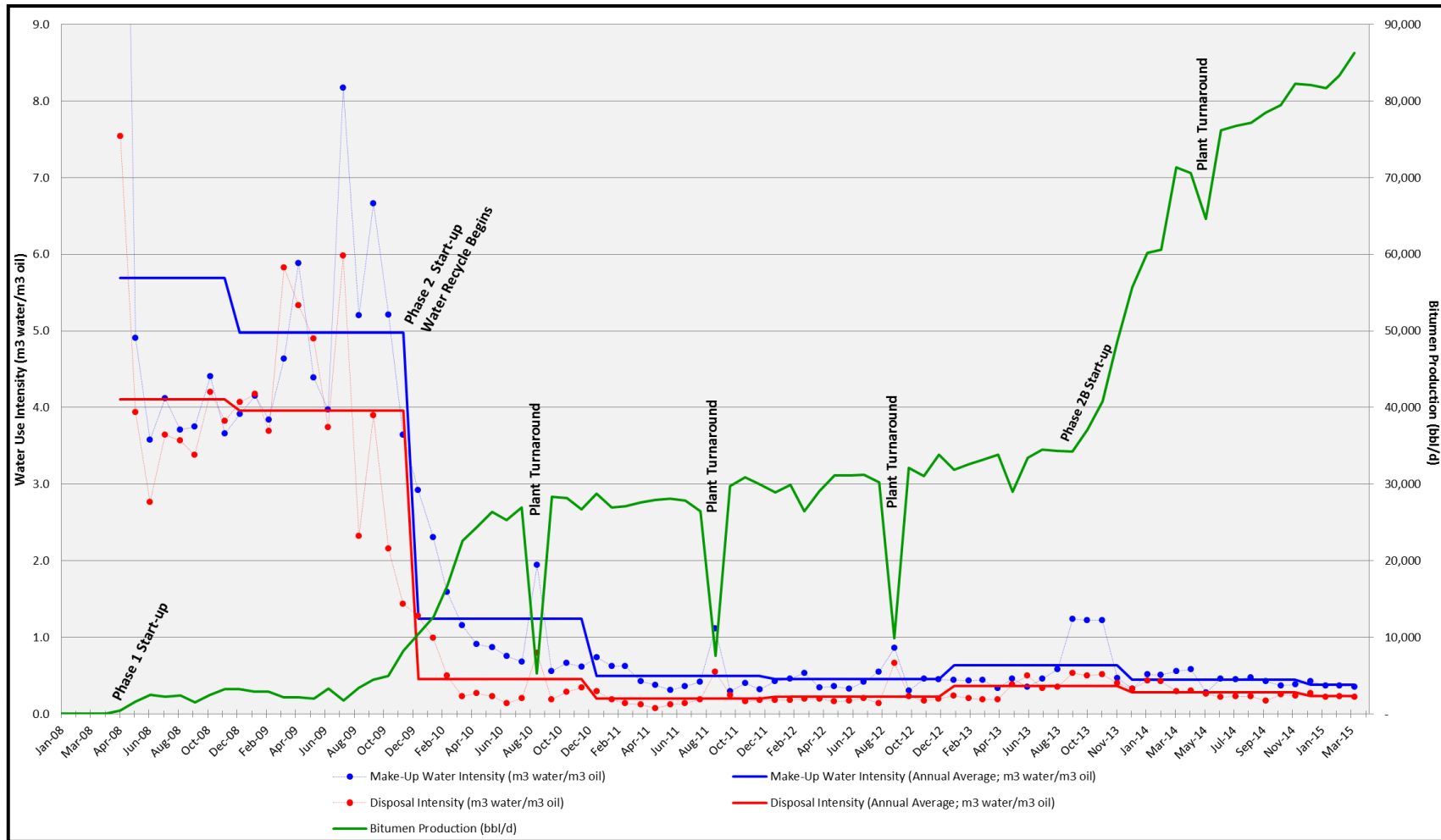


Water Management

- Water Use Intensity, Volumes and Recycle
- Water Source
- Water Disposal
- Water Use Optimization

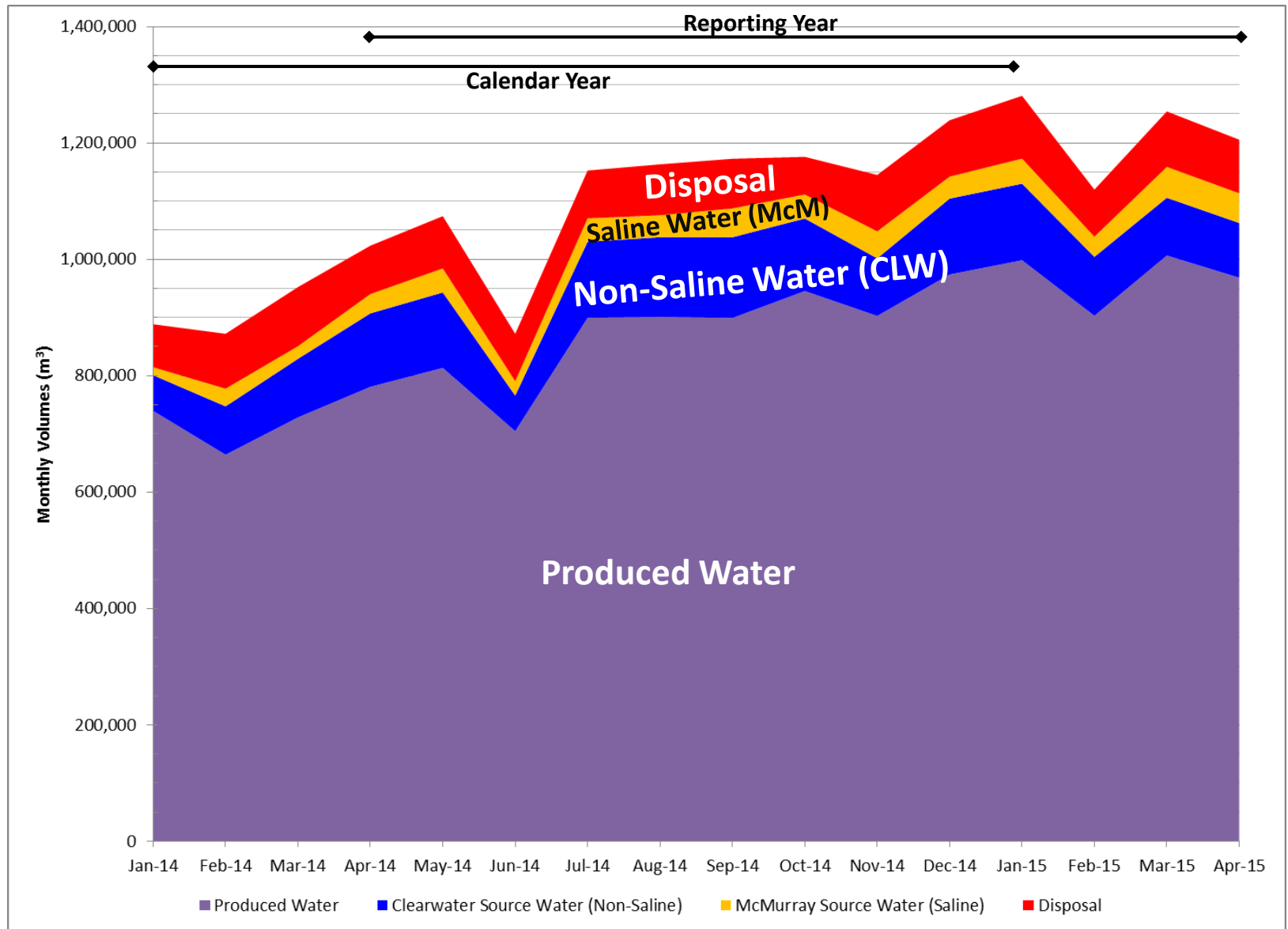


CLRP Water Use Intensity



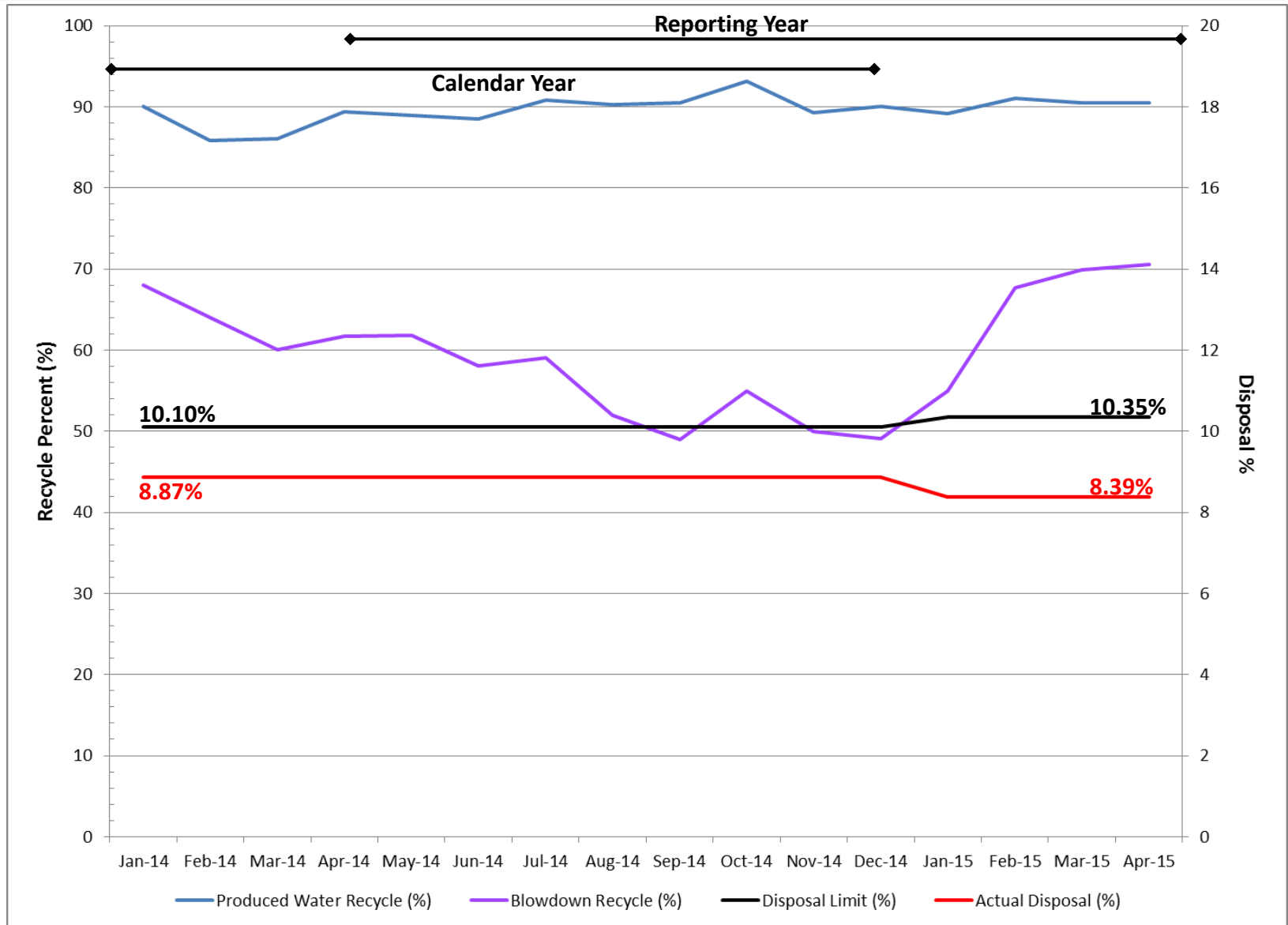


Monthly Water Volumes





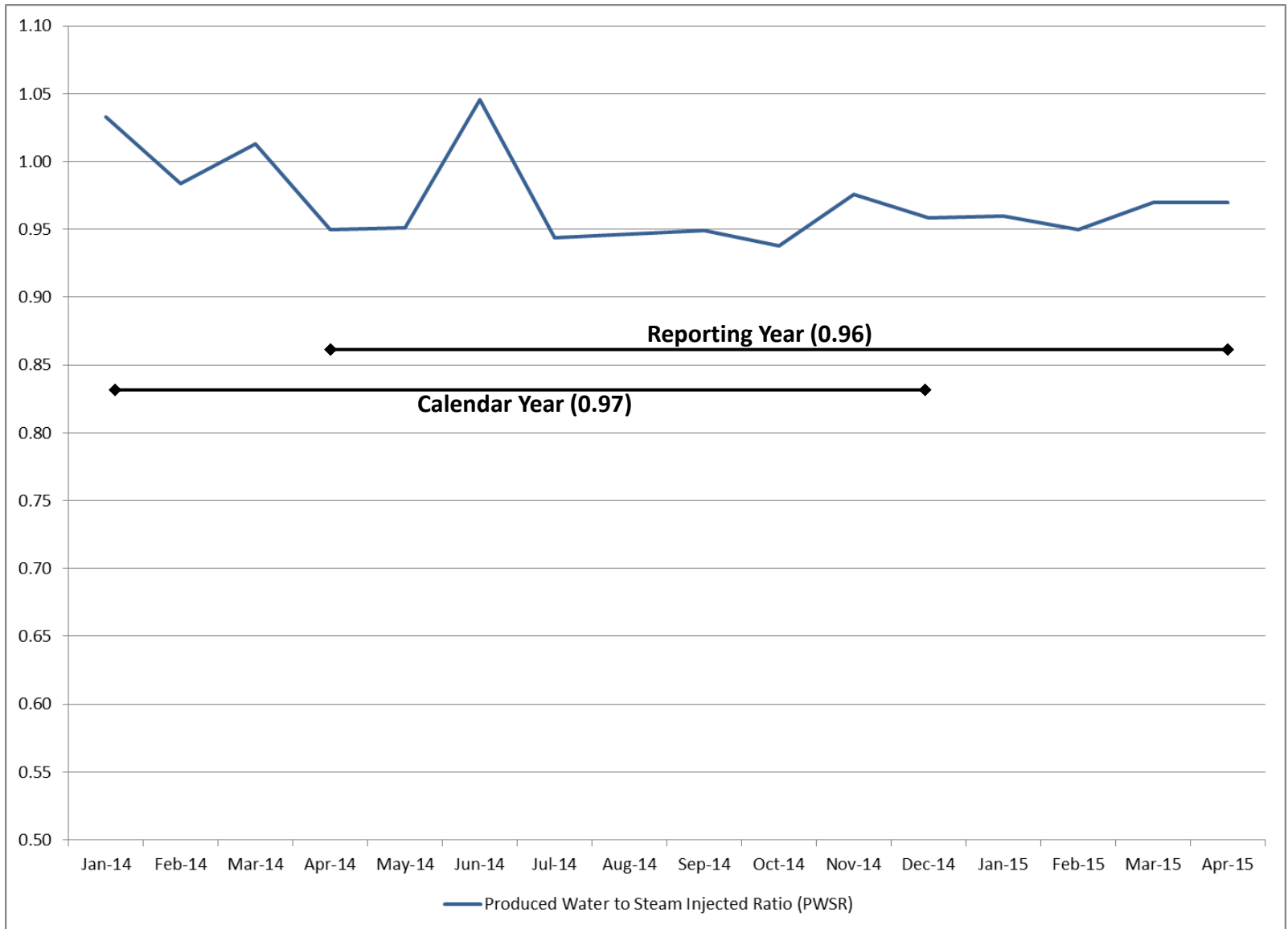
Water Recycle and D81 Limits



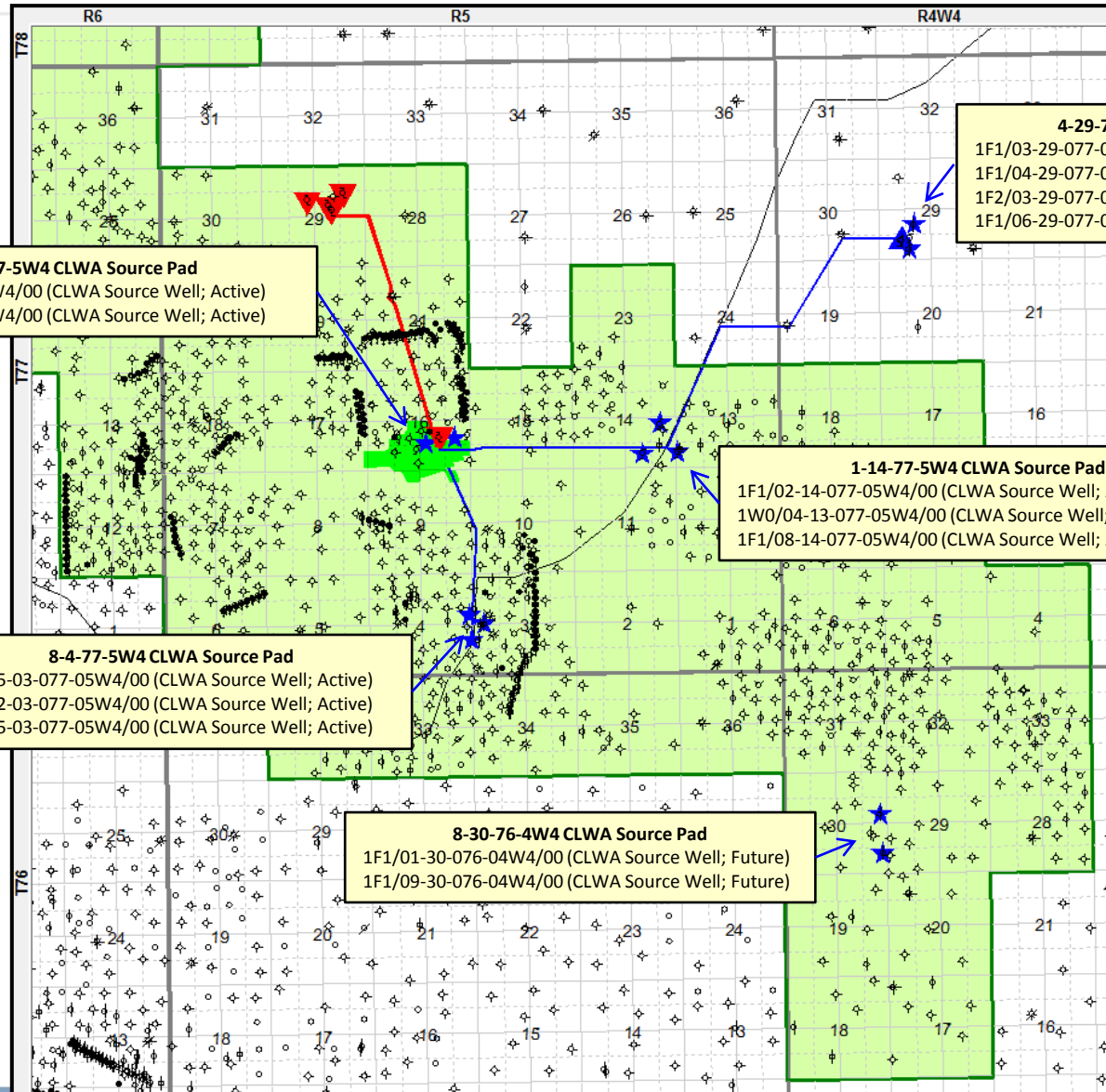
D81 Compliant in 2014



Produced Water to Steam Injected Ratio



CLRP Source Water Well Locations



7-16-77-5W4 CLWA Source Pad
 1F1/08-16-077-05W4/00 (CLWA Source Well; Active)
 1F1/03-16-077-05W4/00 (CLWA Source Well; Active)

4-29-77-4W4 CLWA/McM Source Pad
 1F1/03-29-077-04W4/00 (McM Saline Source Well; Active)
 1F1/04-29-077-04W4/00 (McM Saline Source Well; Active)
 1F2/03-29-077-04W4/00 (CLWA Source Well; Active)
 1F1/06-29-077-04W4/00 (CLWA Source Well; Active)

1-14-77-5W4 CLWA Source Pad
 1F1/02-14-077-05W4/00 (CLWA Source Well; Active)
 1W0/04-13-077-05W4/00 (CLWA Source Well; Active)
 1F1/08-14-077-05W4/00 (CLWA Source Well; Active)

8-4-77-5W4 CLWA Source Pad
 1F1/05-03-077-05W4/00 (CLWA Source Well; Active)
 1F1/12-03-077-05W4/00 (CLWA Source Well; Active)
 1F2/05-03-077-05W4/00 (CLWA Source Well; Active)

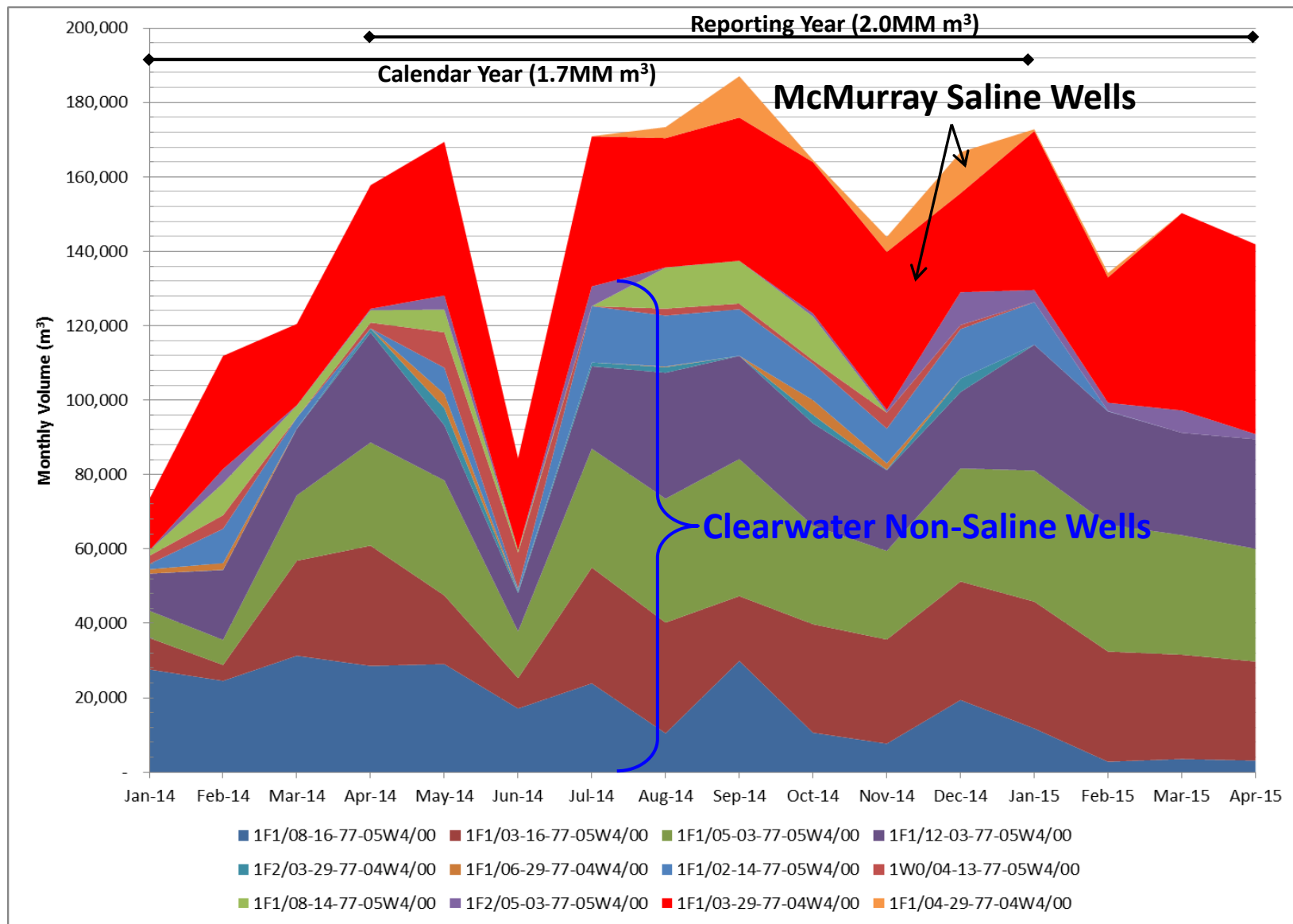
8-30-76-4W4 CLWA Source Pad
 1F1/01-30-076-04W4/00 (CLWA Source Well; Future)
 1F1/09-30-076-04W4/00 (CLWA Source Well; Future)

- 10 active Clearwater
non-saline source wells

- 2 active McMurray
saline source well



Source Well Production

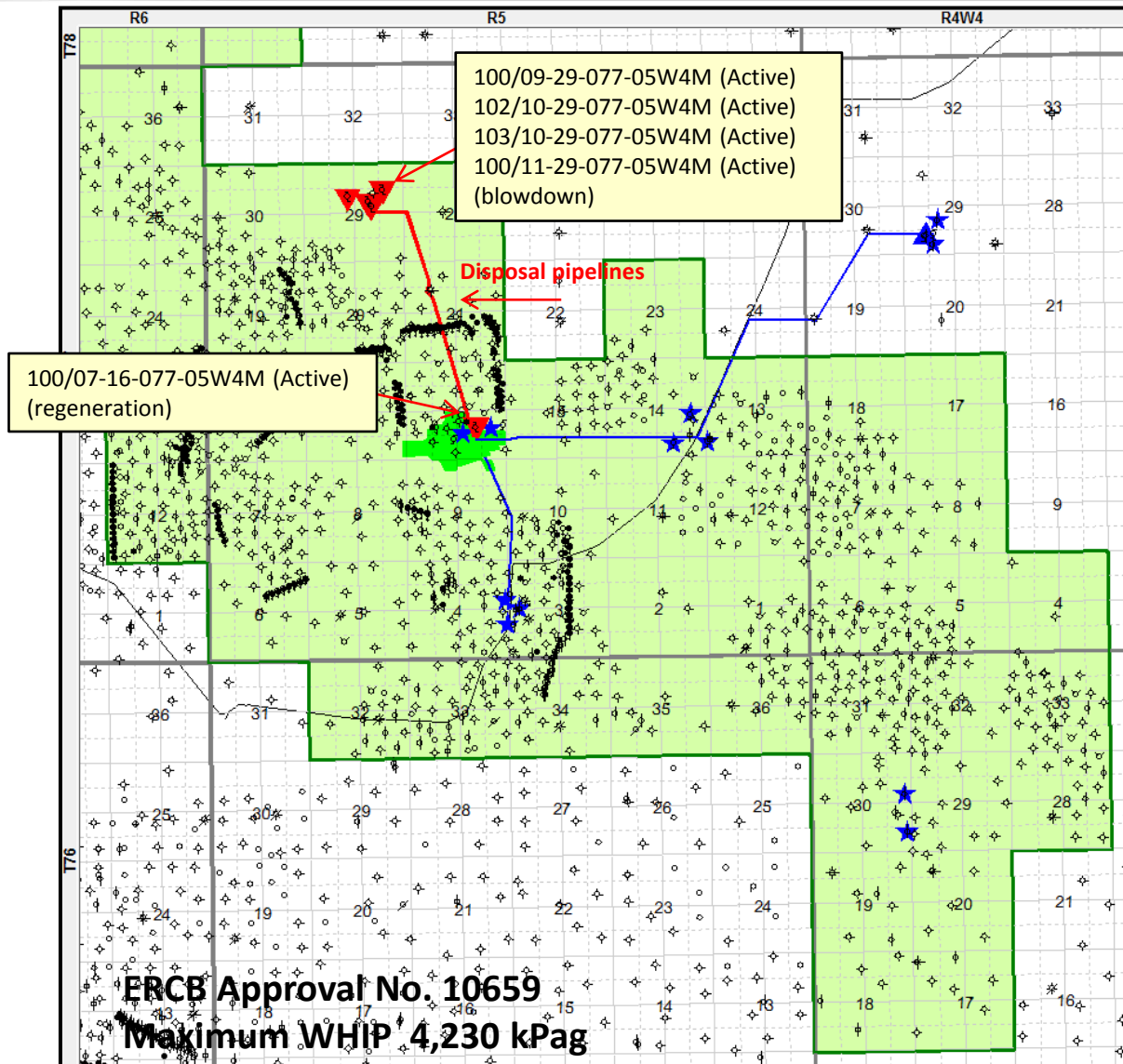




Source Water Management

- Saline McMurray groundwater production ongoing since November 2013
- Non-saline Clearwater A and Ethel Lake groundwater production and pressure monitored in accordance with *Water Act* licenses
- Ethel Lake, Clearwater and McMurray aquifers are responding to pumping as expected

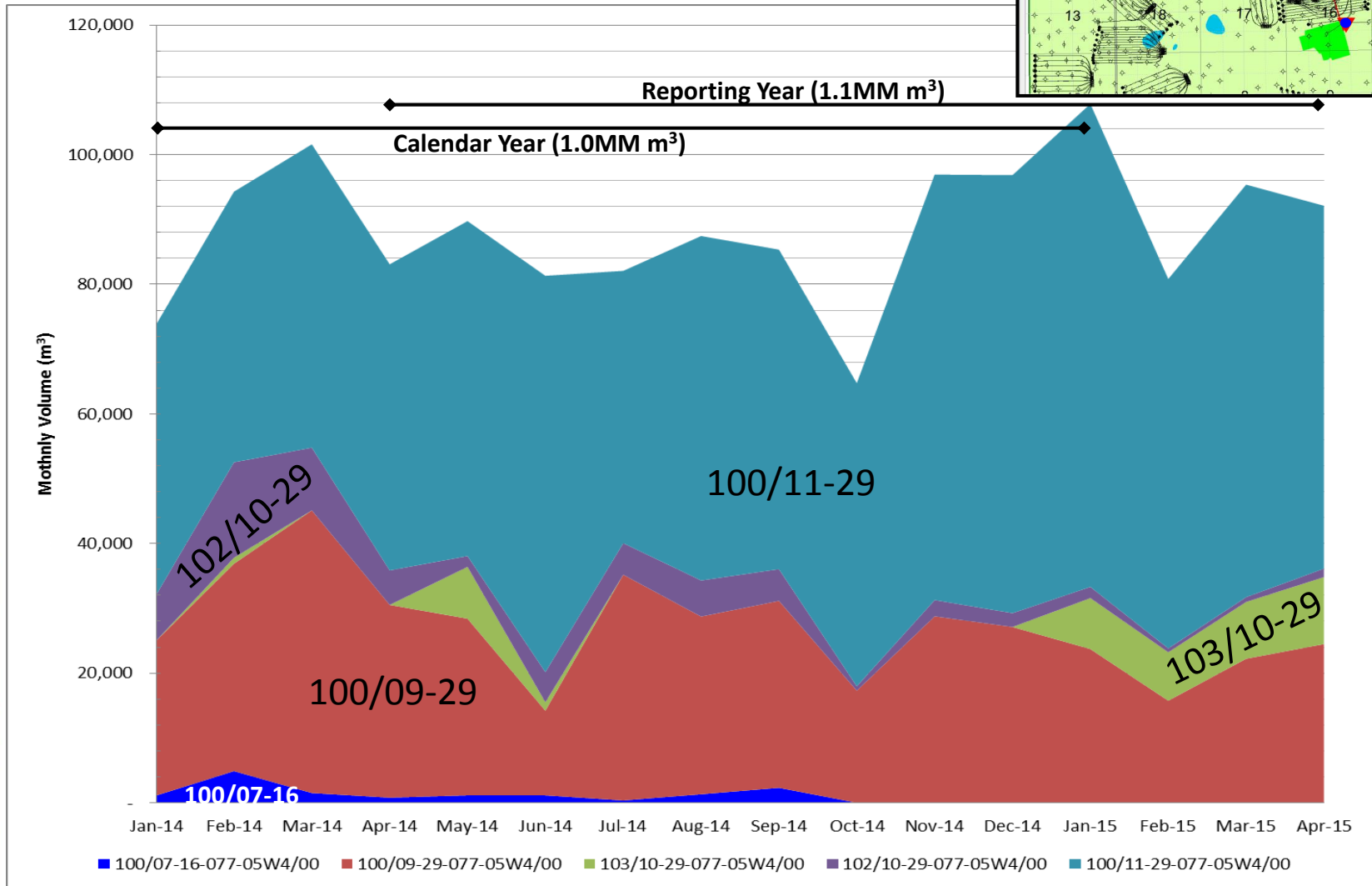
CLRP McMurray Disposal Wells



- 5 active McMurray disposal wells

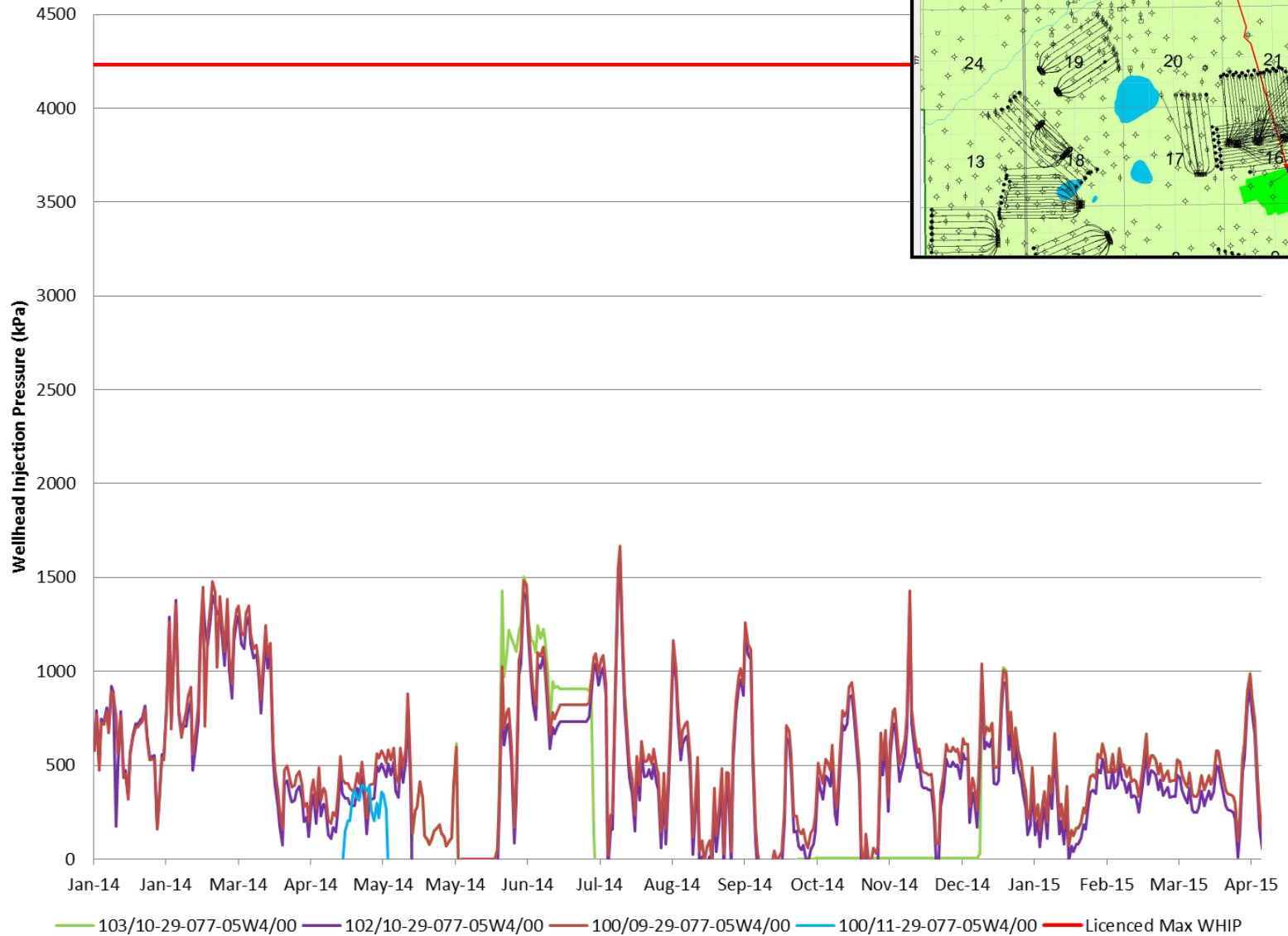


Disposal Summary





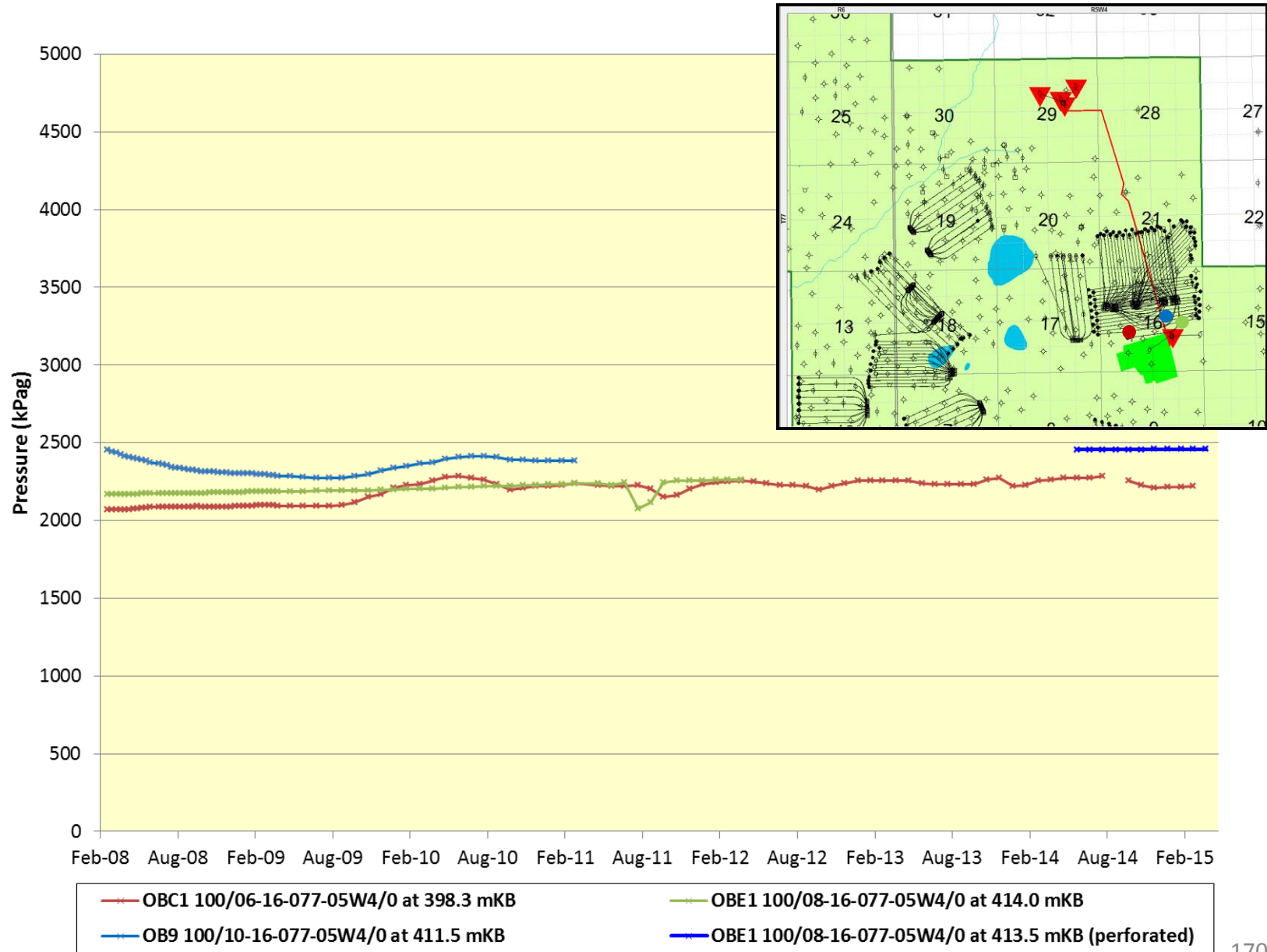
Wellhead Injection Pressures



*100/07-16-077-05W4/00 well on vacuum during operation



Basal McMurray Water Sand Pressure Monitoring





Water Use Optimization

- MEG continues to optimize blowdown recycle (exceeding design and adjusting to operational limitations)
- Saline water use (McMurray) ongoing since November 2013. MEG plans to continue to utilize saline water for make-up.
- Technology advancement to reduce SOR (eMSAGP)
- Blowdown evaporator planned to further improve water recycle capabilities



MEG ENERGY

Compliance & Environment





Compliance & Environment

Reporting Year Highlights

- Our Monitoring Approach
- Sulphur Production and Removal
- Greenhouse Gas Management
- Compliance Summary
- Reclamation



MEG's Extensive Monitoring

Detecting any changes that may occur due to our developments

Air

Chemical analysis and flow rates for all fuel streams and stack emissions. We also monitor ambient air quality around our facilities.

Groundwater

Check water quantities and quality. This includes our groundwater use as well as leak detection systems for our recycling ponds, waste management facility and tank farms.

Regional Monitoring

MEG participates in a number of regional monitoring initiatives and groups such as the Alberta Biodiversity Monitoring Institute, the Wood Buffalo Environmental Association, and the new Alberta, Canada, Joint Oil Sands Monitoring program.

Soil

Soil analysis and laboratory testing for any chemical changes or contaminations

Surface Water/Wetlands

Monitor surface water quantity and quality in nearby water bodies and watercourses

Wildlife

Winter tracking, monitoring wildlife corridors using remote cameras, and employee wildlife sighting cards

Vegetation

Monitor species composition and abundance

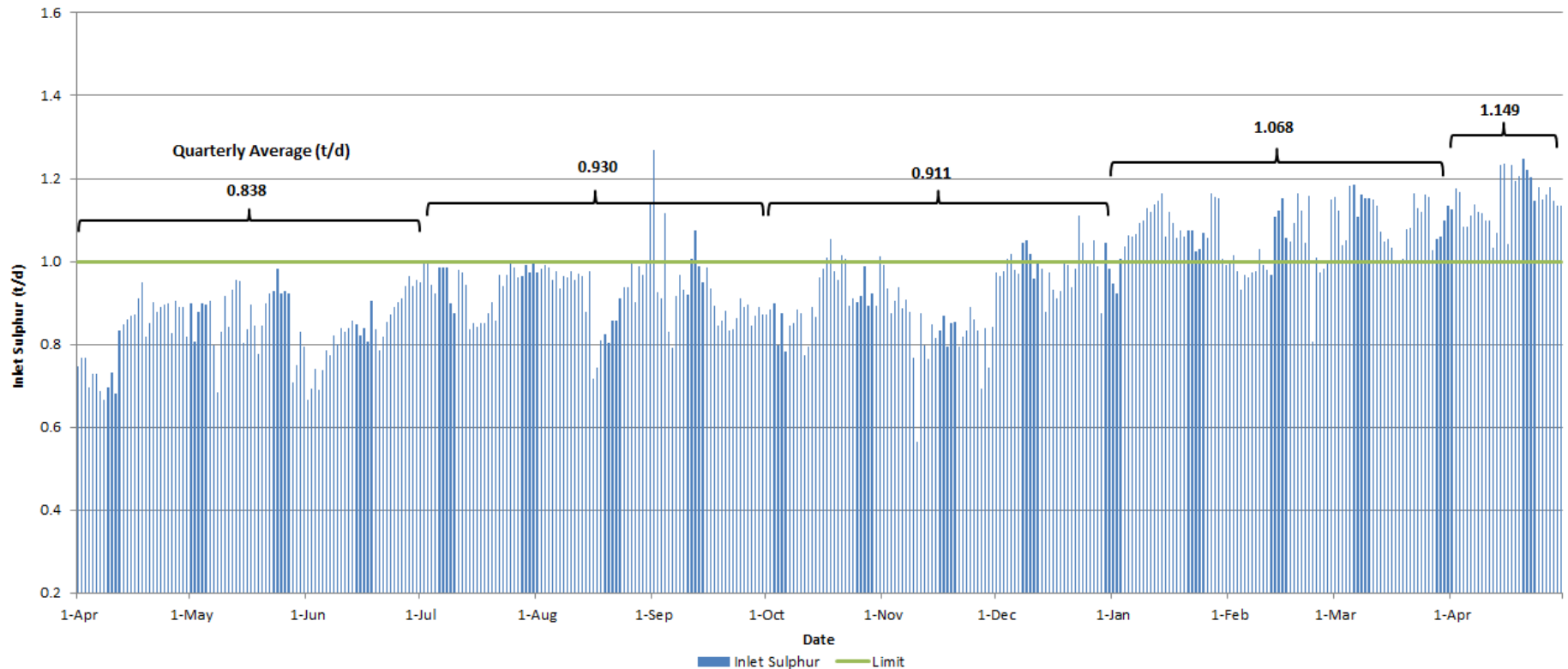




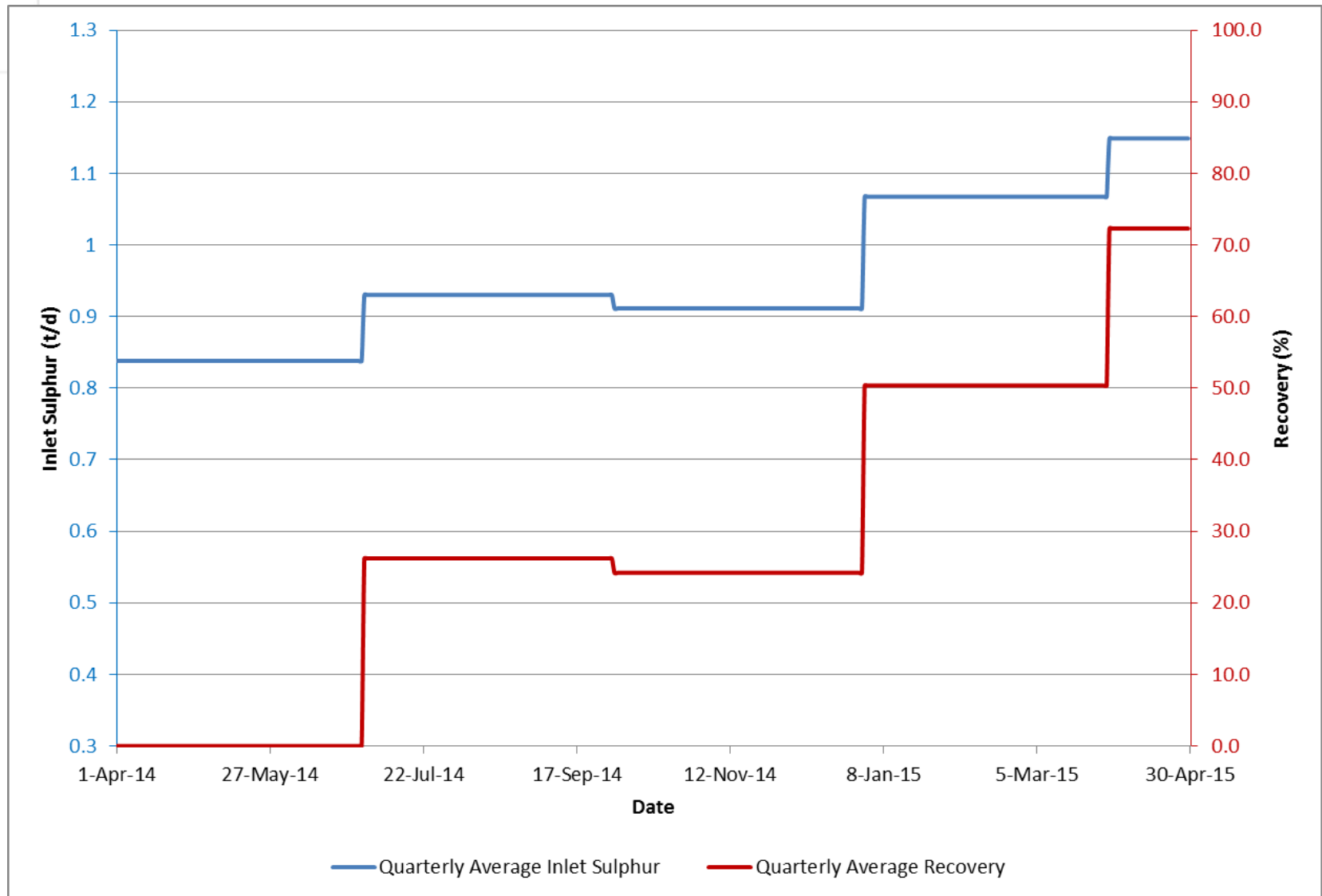
Sulphur Production and Removal

- Sulphur Removal Unit completed and started up in August 2014.
 - Allows MEG to meet EPEA and Interim Directive 2001-3 limits
 - Continuous monitoring of produced gas H_2S concentrations for system control
- Average 1 tonne/day inlet sulphur reached in Q1-2015
 - Operating challenges resulted in <70% recovery for calendar quarter
 - SRU maintenance and modifications undertaken in Q1 to improve operability
 - Compliant with approval requirements in Q2-2015

Daily Inlet Sulphur

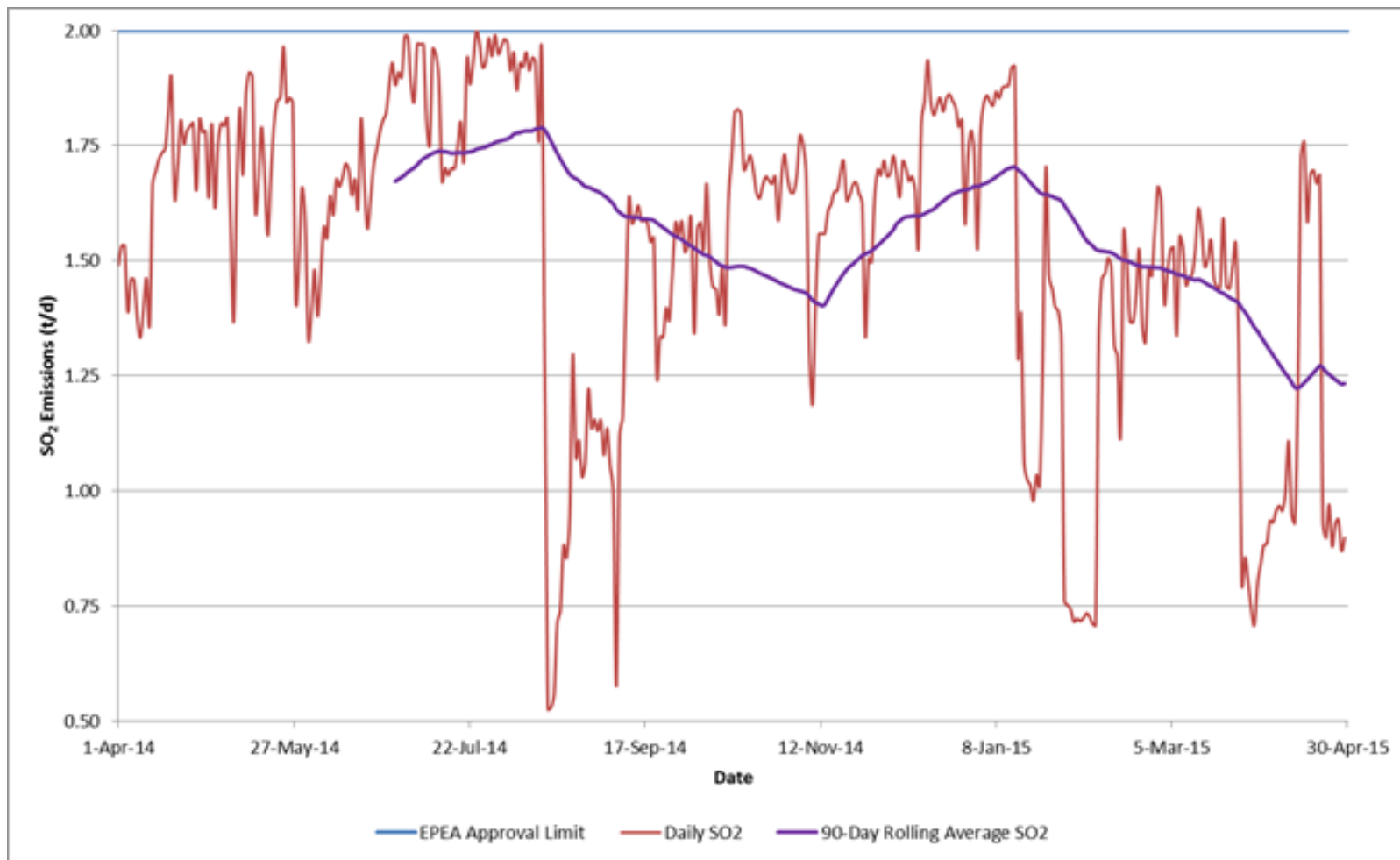


Sulphur Removal



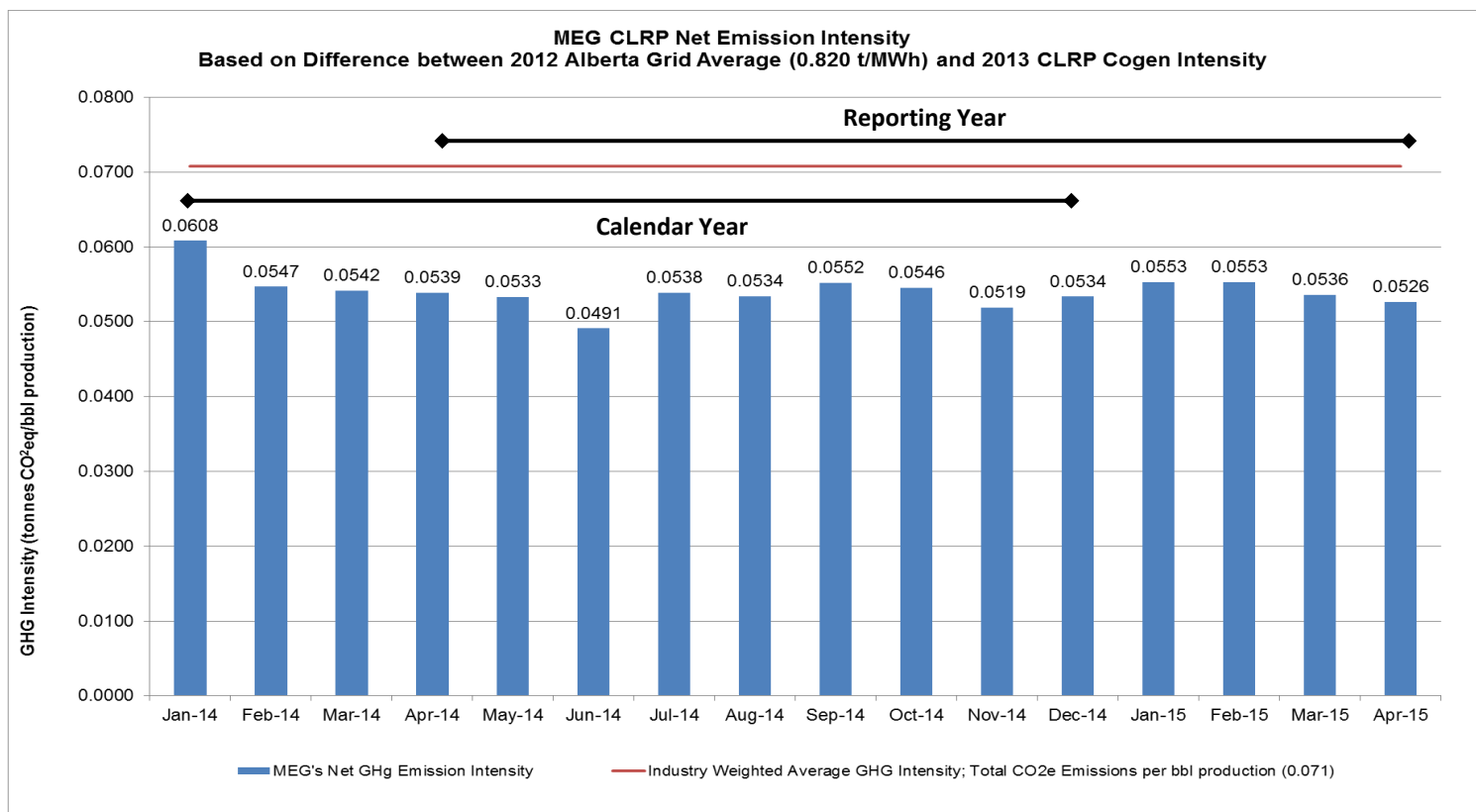


SO₂ Emissions





Greenhouse Gas (GHG) Management



- MEG CLRP continues to produce one of the lowest net GHG intensity barrels in the industry.
- Q1 2015 performance of ~0.0526 T/bbl CO₂e vs an industry average of 0.071T/bbl CO₂e.
- GHG performance is attributed to reservoir performance (low SOR's), use of co-generation technology for steam generation, and ongoing reservoir efficiency technologies (ie. eMSAGP).



Compliance Summary

Inspections

- An inspection was conducted March 2015, which was deemed satisfactory

Site Visit

- Senior staff from the AER Bonnyville Field Office visited the CLRP for a site tour September 30, 2014



Compliance Summary

Self-Disclosures

MEG reported 5 self-disclosures to the AER during the reporting period:

- April 28, 2014: License Amendments from Oil Sands Evaluation to Observation wells
- August 11, 2014: Pad P Construction Soil Salvage Non-Compliance
- January 29, 2015: Well Test Frequency Non-Compliance
- March 18, 2105: Long Term Water Diversion Licence Annual Reports Late Submission
- March 7, 2015: Failure to Meet Calendar Quarter-Year Sulphur Removal Efficiency



Compliance Summary

MEG reported 5 incidents to the AER during the reporting period:

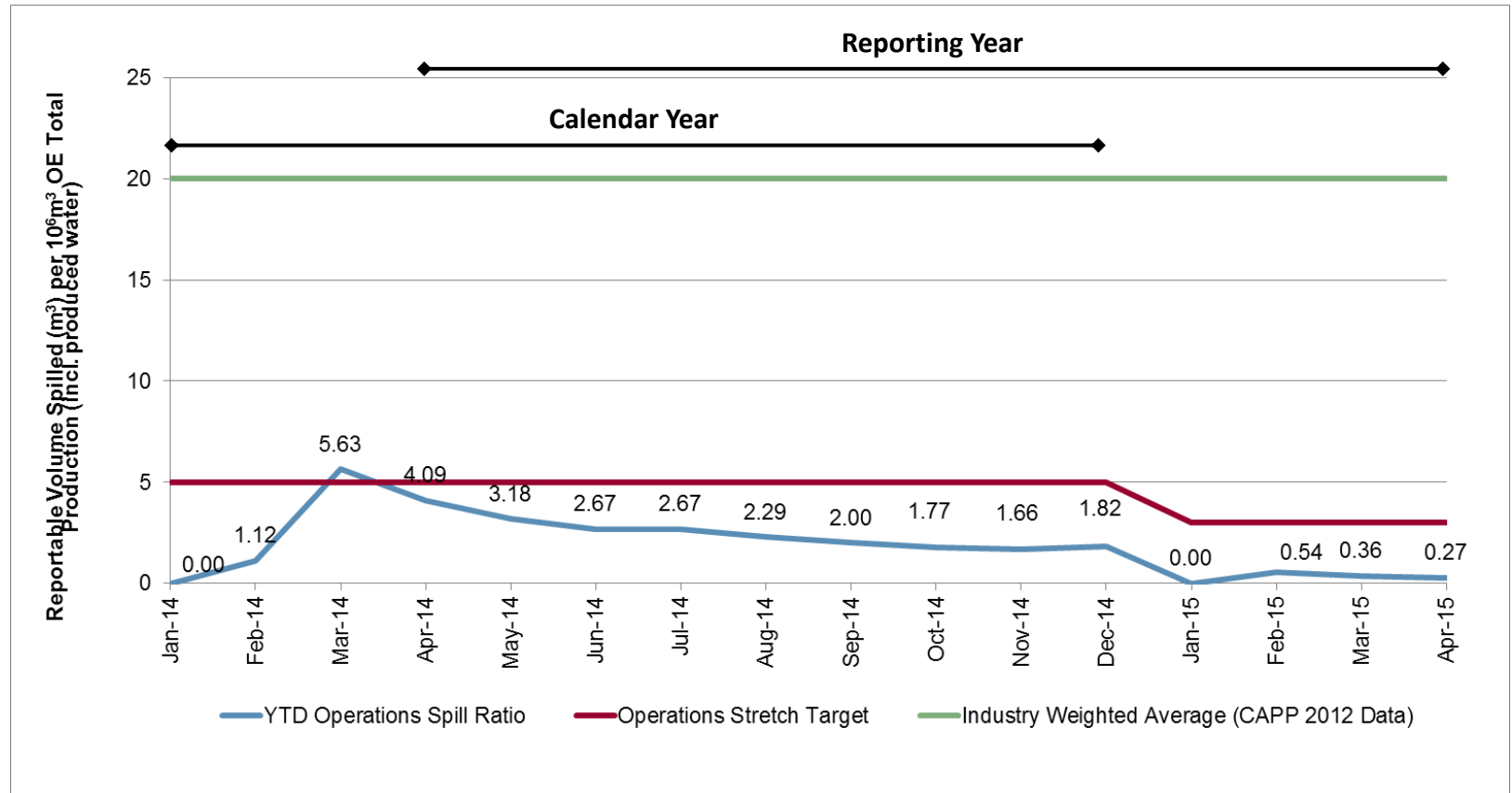
- April 13, 2014: Ambient Air Monitoring Trailer H₂S Hourly Exceedance
 - 31 minutes exceedance, data validity suspect
- June 28, 2014: Passive Air Sampler Failure
 - Sample cartridge found on ground, data compromised
- September 8, 2014: Continuous Emissions Monitoring System (CEMS) Non-Compliance
 - Missed 90% uptime requirement, due to equipment malfunction
- February 10, 2015: Wastewater Treatment Plant
 - Missing sampling parameters specified in new EPEA approval for pending equipment
- March 16, 2015: Oilfield Drilling Waste Reporting Delay
 - Missed reporting timeline



Regulatory Compliance

Spills

- 12 reportable spills occurred at MEG from April 2014 to April 2015. All reports were filed with the AER and remediation has been completed. MEG's 2014/15 spill intensity ranks well below industry average (CAPP, 2012).





Compliance Summary

2012 Temporary Diversion Licence Exceedance

- **February 6th, 2015:** MEG received an Administrative Penalty of \$30,500 related to 2012 exceedances of withdrawal limits related to four Temporary Water Diversion Licences. MEG originally self-reported this matter in accordance with its *Water Act* approvals. As part of our commitment to continuous improvement, MEG has implemented improved training, monitoring and internal reporting processes. The AER has reviewed MEG's corrective actions and commended MEG regarding the success of these initiatives.



Ambient Air Quality Monitoring

Continuous Ambient Air Monitoring Trailer and Passive Sampling

- MEG employed the use of a continuous ambient air monitoring trailer from January to June 2014 for phases 1, 2 and 2B as required by our approval.
- Additional monitoring was completed through August and September, prior to and during the start-up of the SRU.
- Four passive monitors are installed around the CLRP site for the measurement of H₂S and SO₂ with readings taken on a monthly basis.
- Two ambient air contraventions were reported in 2014

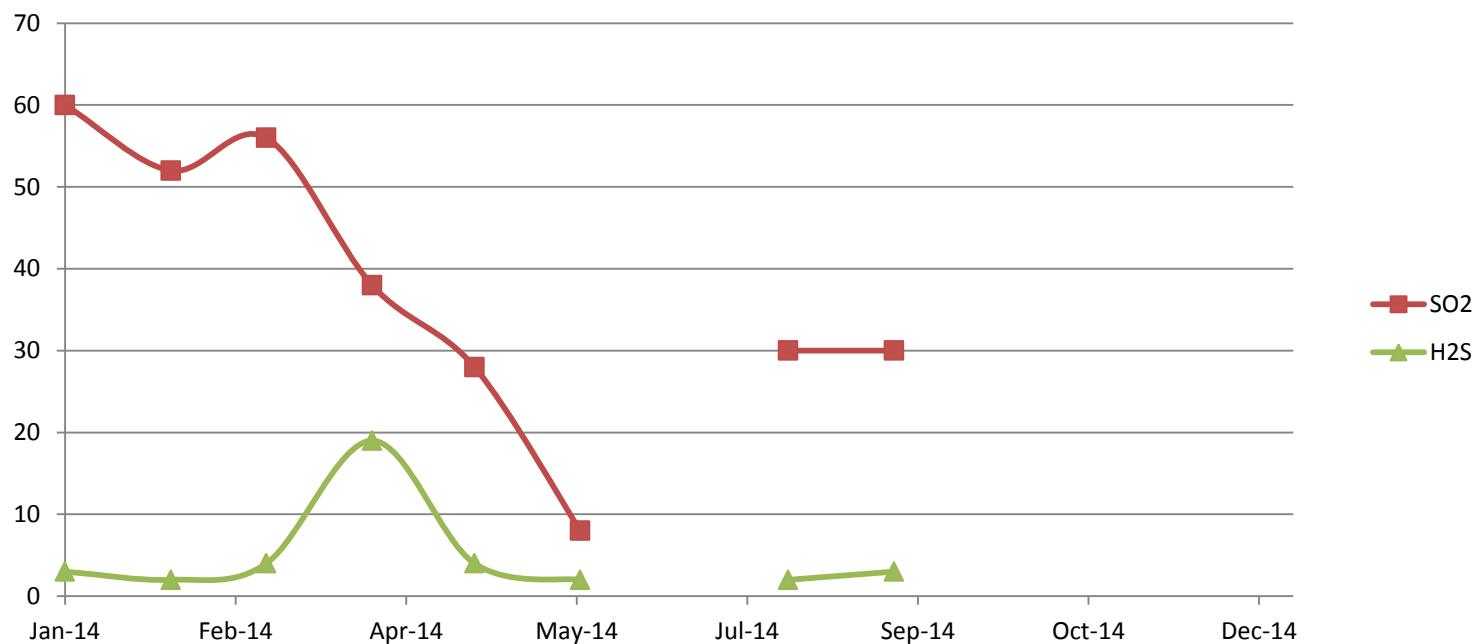


Ambient Air Quality Monitoring

Continuous Monitoring Results

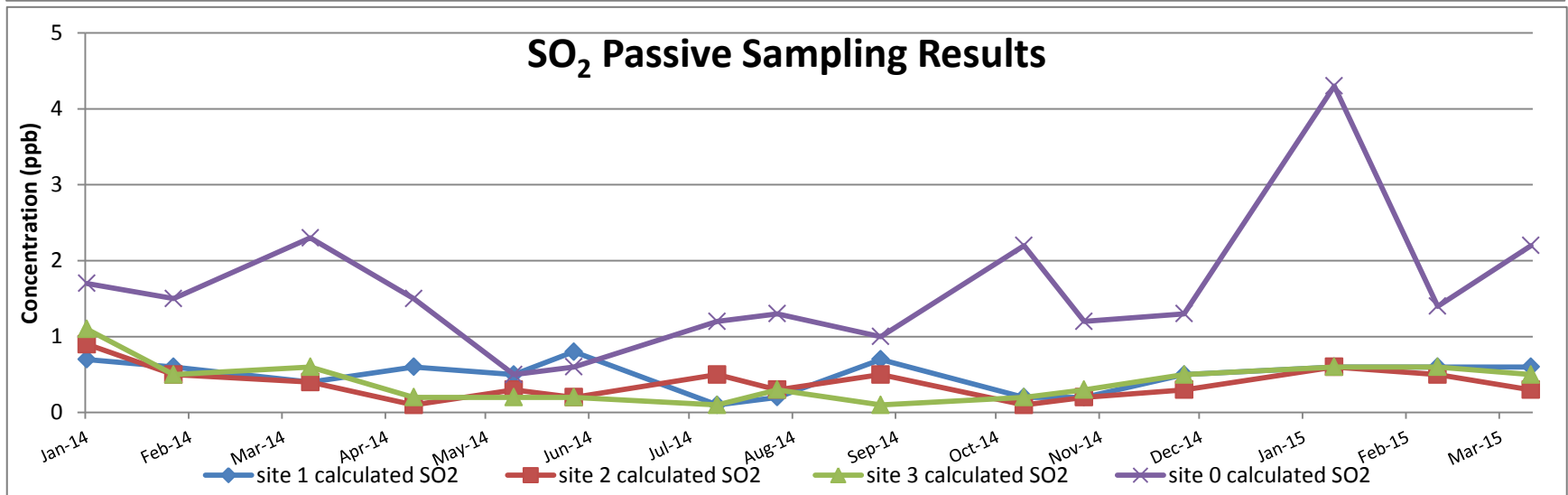
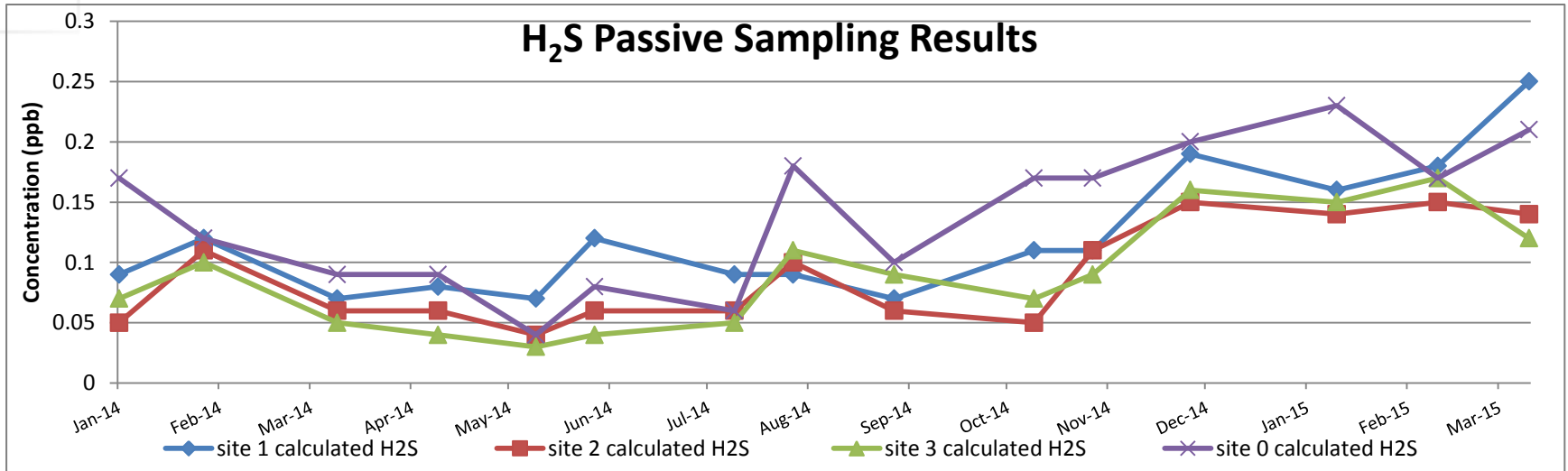
	Maximum Reading for 2014 (ppbv)	Month of Maximum Reading in 2014	Limit (ppbv)
SO ₂	60	January	172
H ₂ S	19	April	10

Maximum 1 Hour Ground-Level Concentration



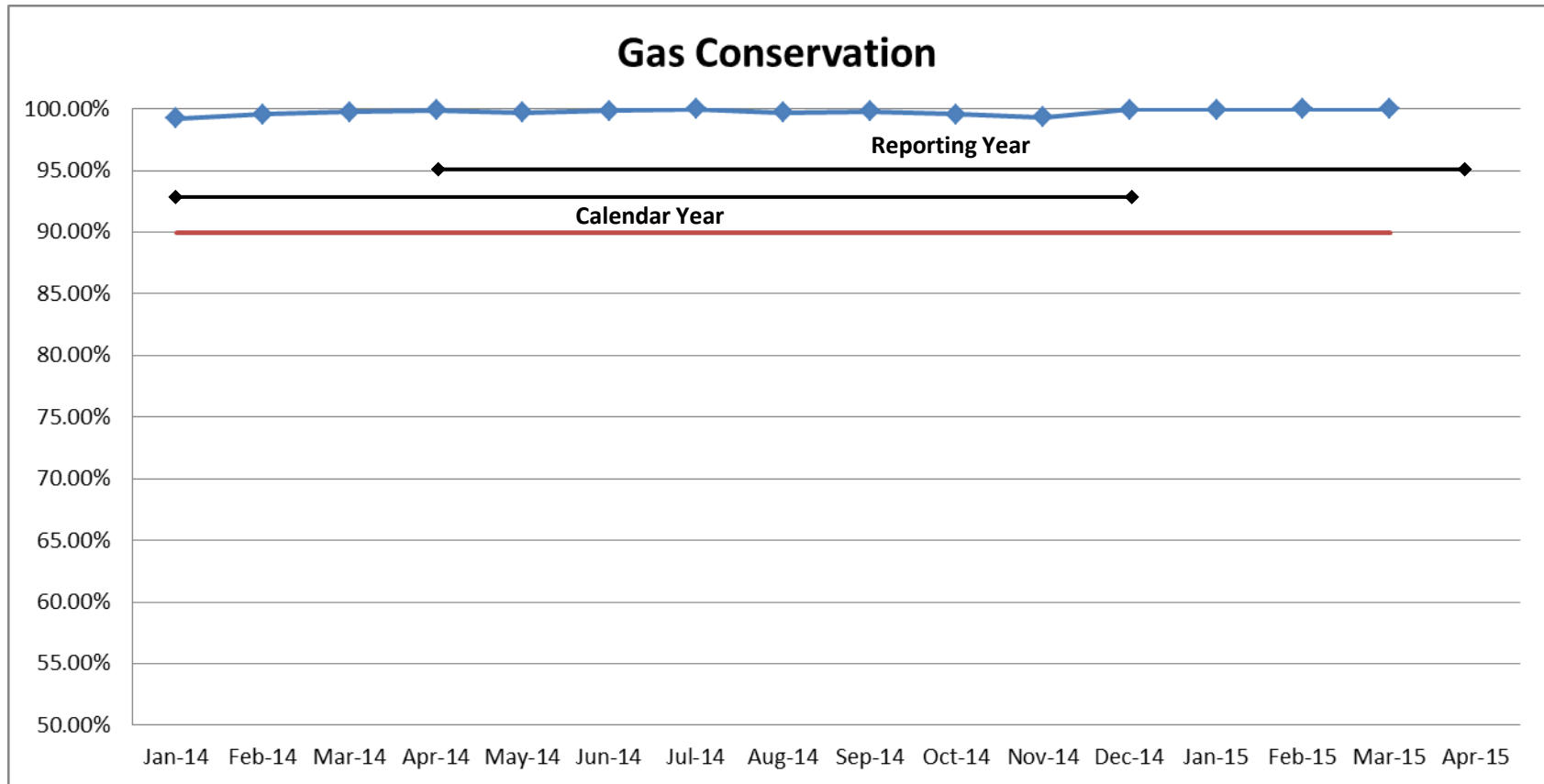
Ambient Air Quality Monitoring

Passives Sampling Results





Gas Usage



- Overall gas conservation >99%
- MEG reported 16 flaring and 2 venting notifications to the AER including exceedances and outages.



Conservation & Reclamation

Reporting Year Highlights

- Wetland Reclamation Trial Program
 - Ongoing reclamation of two borrow pits for the purpose of permanent reclamation.
- Caribou Habitat Reclamation Trial
- Oil Sands Exploration (OSE) reclamation and assessment program
- Ongoing research and monitoring programs
 - Woodland Caribou Mitigation and Monitoring Program
 - Canadian Oil Sands Innovation Alliance Faster Forest Program
 - Rare Plant Mitigation and Monitoring



OSE Reclamation

Summary

- Reclamation Certificates are being submitted immediately for:
 - CLRP 050040
 - CLRP 060068
 - CLRP 070107
 - May River 060066
 - May River 070069
- Reclamation Certificates to be submitted spring 2015:
 - Jackfish 060065
 - Jackfish 070079
 - Thornbury 070077
- Reclamation Certificates to be submitted fall 2015:
 - CLRP 090055
 - Duncan 100059
 - May River 090043



Compliance

- To the best of MEG's knowledge, the Christina Lake Regional Project is in compliance with all conditions and regulatory requirements related to Approval No. 10773.

CLRP Future Plans



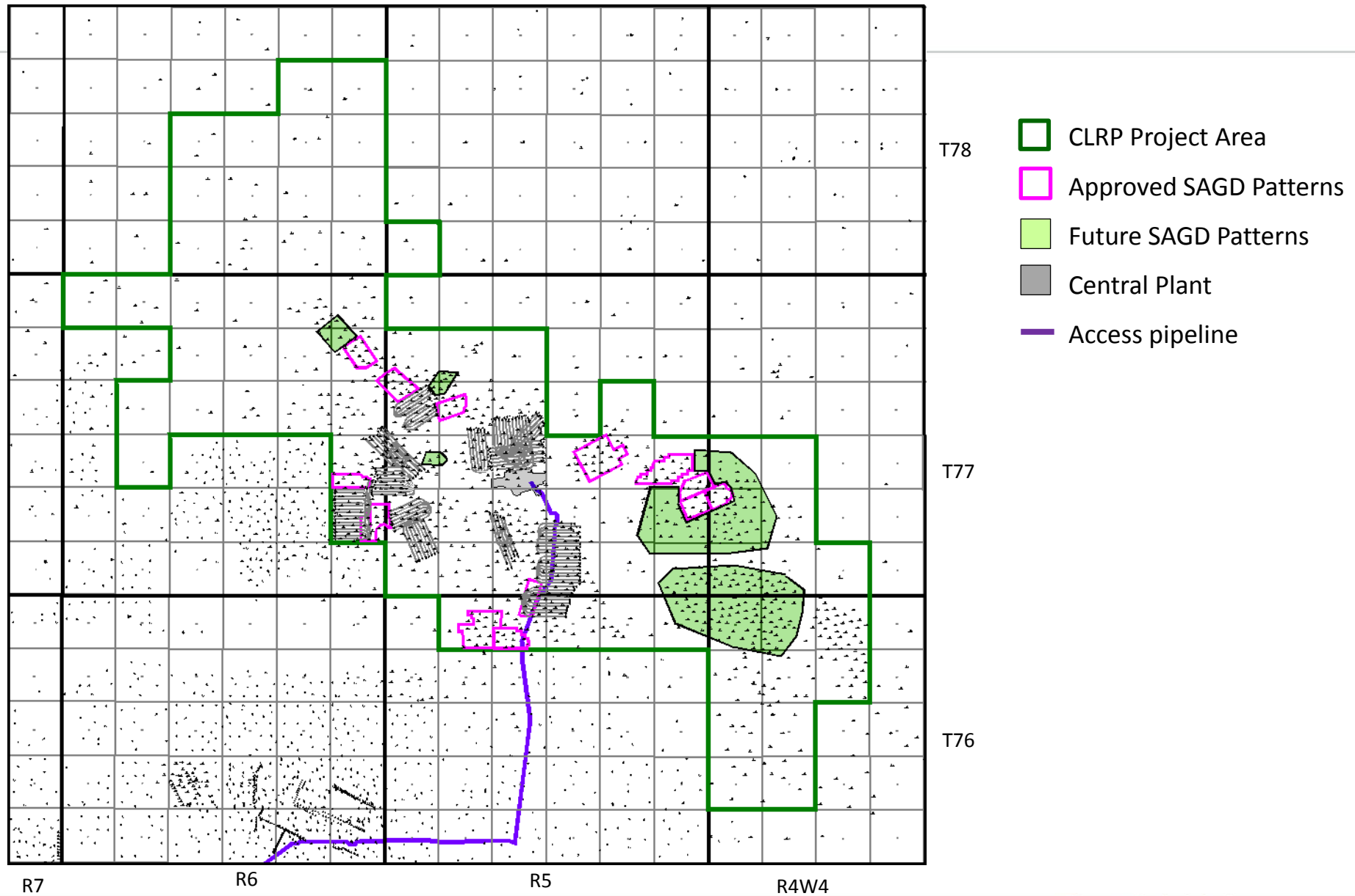


Regulatory Amendments

Amendments approved April 2014 - April 2015

- Phase 2B4X facilities relocation amendment approval received
- Expand IDA to include 6 new subsurface patterns
- Various amendments to pad orientation
- Expansion of NCG Co-Injection on Pads A through F

CLRP Future Development





CLRP Future Plans

- Ongoing de-bottlenecking of Phase 2B facilities
- Ongoing pattern addition within CLRP development area
- Continued development of eMSAGP within Active Development Area
- Ongoing resource assessment



MEG ENERGY

Questions and Comments