

## **BATTLE LAKE WATERSHED SYNERGY GROUP**

<http://synergyalberta.ca/group/battle-lake-watershed-synergy-group>

A meeting of the Battle Lake Watershed Synergy Group was held on Thursday Feb 1, 2018 at the Lakedell Ag. Centre (Main Hall) with Paul McLauchlin acting as Facilitator.

### **CALLED TO ORDER:**

Paul called the meeting to order at 7:00 pm.

### **Agenda**

- Introductions
- Review of Minutes
- AER Updates
- Industry Updates
- Community Updates
- Next Meeting

### **ATTENDANCE:**

In attendance were {4} residents, {7} industry representatives and government officials. (See the attached list.)

### **Review of Minutes:**

November 9, 2017 meeting notes had been distributed and approved.

### **AER Update: Darcy Allen**

February 1, 2018

**Bulletin 2018-02:** Amendments to Well Blowout Prevention and Well Control Certification and Methods under Directives 008, 036, and 037

<http://www.aer.ca/documents/bulletins/Bulletin-2018-02.pdf>

**Bulletin 2017-21:** New Edition of Directive 067: Eligibility Requirements for Acquiring and Holding Energy Licences and Approvals

<http://www.aer.ca/documents/bulletins/Bulletin-2017-21.pdf>

**News Release 2017-11-09** (AERNR2017-15)

<http://www.aer.ca/documents/news-releases/NR-2017-15.pdf>

**reSource** – AER's news site. Since launching in June 2016, nearly 32 000 people have turned to Resource to catch up on the AER's latest news and industry activity.

<https://resource.aer.ca/>

## **Integrated Decision Approach – Participant Involvement Initiative**

All the event summaries from all of the sessions are posted here:

<https://talk.aer.ca/>

**Question:** Ken Jenny: Related to Synergy Conference in the fall, the AER hired Rob Wadsworth, are they going to let him do the job he was hired to do? Companies leaving the province with money?

### **Liability Management.**

The following link provides information on how AER works collaboratively with government and industry stakeholders to develop and implement appropriate liability management programs for all energy sectors regulated by the AER.

<http://www.aer.ca/abandonment-and-reclamation/liability-management>

**Question:** Ken Jenny: Related to Synergy Conference in the fall, how do you come about the Blanket Exercise? What place did it have at Synergy Alberta? Intent of synergy was to try to leave politics out. There seemed to be a lot of politics involved in the exercise.

At the 2017 Synergy Alberta Conference - **Kairos** conducted a **Blanket Exercise** – which is a teaching tool to share the historic and contemporary relationship between Indigenous and non-Indigenous peoples in Canada.

The KAIROS Blanket Exercise is an interactive learning experience that teaches the Indigenous rights history we're rarely taught. Developed in response to the 1996 Report of the Royal Commission on Aboriginal Peoples—which recommended education on Canadian-Indigenous history as one of the key steps to reconciliation, the Blanket Exercise covers over 500 years of history in a one and a half hour participatory workshop.

<https://www.kairosblanketexercise.org/>

Intent was to provide the different world views and insight to different people's experiences, in order to generate conversation and invoke thought and reflection.

**Question:** Ken Jenny: AER in news for a seismic event. What was determined?

AER can confirm there was a seismic event, but there is no information for a causal effect. Speculation as to temperature changes, air density, near a lake, nothing confirmed.

**Question:** Ken Jenny: Incident recently with Trivita, a facility outside of Unity, Saskatchewan, with H<sub>2</sub>S, any information?

No information on that. Contact Saskatchewan Mines and Ministries.

**Paul: Update:** Provincial Education Requisition Credit (PERC) Fund- \$10 million fund introduced when Oilfield companies went bankrupt and were unable to pay well-site taxes, a portion of which was school tax. The Municipal Counties were hit hard as they had no way

to recuperate those school taxes. Ponoka County was able to recuperate \$250,000 through the fund.

Darcy: There have been incidences of municipalities trying to remove equipment from well sites to recover taxes. Municipalities are not permitted to do so. They did not know.

Ken Jenny: Where does the process of receivership and creditor line up begin and end? Trustee or Receiver is appointed, and they can sell items to pay secured creditors. Creditor must register with the Trustee or Receiver to be put on the creditor list.

## **Industry Updates:**

### **Raging River: Barret Herschel/Tylar Smith**

New to area. Currently drilling first well in the area. Met early December. Plan to complete Q1 2018. Consulting with the preservation society. There is a large land base, waiting for production results for further decisions to move forward. BMP's have been shared.

Mike Black: Where is the activity geographically located. Older assets?

5-25-46 2 W5

No one's land, just purchased property.

Ken Jenny: What is the water source for fracking?

16-18-47-3 using some of the volume from Journey's license not being used.

Mike Black: Chemicals being used?

Biocides, Friction reducers; will have to get technical names and follow up via email.

Mike Black: What are the lease sizes?

5-25-46 2 W5

6.43 acres pad and water areas. Water areas will be completely reclaimed. 1/3 will be kept as operating pad.

Ken Jenny: Appreciate the timing and consideration of location so as not to disturb residents in spring and summer and not necessitating removing large trees within the watershed.

Comments on litter that has occurred recently. Company can implement a clean up at reclamation.

Reminder for traffic to be slowing down for pedestrians and coming to complete stops at stop signs.

Efforts are made to reduce noise production, for example, use of radios vs honking horn.

Ken Jenny: Anticipate a road ban on Hwy 771 in spring as the county wishes to protect access for tourists.

**Millennium Land: Don Ratcliff**

Question in regards to industry fees for BLWSG.

Paul advised a fixed fee of approximately \$1400 is invoiced in Dec/Jan. It will be billed for the next year (2019) if the new companies continue participation.

**Baytex: Terry Kreese**

No turnarounds planned, status quo.

**InPlay Oil: Lance Chorney**

No updates.

**Resourceful Petroleum: Bill Dolan**

January 25, 2018

Maintaining production on existing wells. No other activity planned for Q1 2018.

**Journey Energy: Dale Guidi**

No updates.

**County of Wetaskiwin: Dale Woitt**

No updates.

**Land Consultant: Graham Gilchrist**

No updates.

**Community Updates:**

**Ken Jenny:** Accepted a performance award from Synergy Alberta on behalf of group, and gave it to the office at Lakedell Ag Society. They had to have a meeting in regards to displaying the plaque.

**Paul McLaughlin:** Suggested there is an opportunity for members to take over facilitation of the BLWSG in 2019. Open for discussion.

**Meeting Dates:**

**May 3, 2018**

**September 6, 2018**

**November 1, 2018**

## ATTENDANCE LIST

<b>INDIVIDUAL</b>	<b>REPRESENTING</b>
Paul McLauchlin	Facilitator
Dave Doze	Resident
Michael Black	Resident
Clive Buckley	Resident
R Bauman	Resident
Terry Kreese	Baytex
Darcy Allen	AER
Breanne MacLeod	Raging River
Barret Herschel	Raging River
Tylar Smith	Raging River
Don Ratcliff	Millennium Land











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This notice is being provided to you pursuant to AER Directive 56 requirements. Should you require further information or clarification regarding this or any other proposed development by Raging River please contact the undersigned at (587-391-1493) or the contact numbers listed above.

If you have no objection to this proposed development, please indicate such by signing in the space provided below on the enclosed duplicate copy of this letter and return it to the landman that is personally delivering this notice to you. If after thoroughly discussing the proposed project with the company, you wish to object, please call us collect and follow up with a written statement of your concerns or objection.

Sincerely,

A handwritten signature in black ink, appearing to read "Brad Rudy".

*br* Brad Rudy  
VP Alberta Operations  
/Encl.

**NOTE: These Locations Are To Be HORIZONTALLY DRILLED.**

PLAN SHOWING LOCATION OF  
**PAD SITE AND ACCESS ROAD**

**MILLENNIUM HZ PEMBINA 3-4-46-2**  
**MILLENNIUM HZ PEMBINA 4-4-46-2**  
**MILLENNIUM HZ PEMBINA 13-16-46-2**  
**MILLENNIUM HZ PEMBINA 14-16-46-2**

FROM SURFACE LOCATION  
WITHIN LSD. 5 SEC. 9 TWP. 46 RGE. 2 W. 5 M.  
**COUNTY OF WETASKIWIN NO. 10**

**AER LICENSING INFORMATION:**

- The proposed well centres are:
- |   |                                     |                                     |
|---|-------------------------------------|-------------------------------------|
|   | Yes                                 | No                                  |
| -at least 1.5 km from an urban centre.....                        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| -outside any potential coal development area.....                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| -at least 5.0 km from a lighted aerodrome.....                    | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| -at least 1.6 km from an unlighted aerodrome.....                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| -at least 100 m from any surface Improvement.....                 | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| -at least 100 m from a water body as defined in Directive 56..... | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| -at least 200 m from any water well.....                          | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
- The proposed site is outside of Historically Significant Land (Sept. 1st, 2016 Edition).....
- The nearest SURFACE DEVELOPMENT is a Residence in the N.W1/4 Sec. 4 - 46 - 2 W. 5 M. located ±670 m from nearest Well Centre.
- The nearest URBAN CENTRE is the Hamlet of WINFIELD located ±13 km from Pad Site.

**PAD SITE ELEVATIONS:**

NW Corner · 979.50      NE Corner · 977.89  
SW Corner · 979.00      SE Corner · 979.19

Datum: NRCan - PPP (CSRS)

**AREAS:**

	ha	Ac
Pad Site	2.590	6.40
Access Road	0.942	2.33
<b>TOTAL</b>	<b>3.532</b>	<b>8.73</b>

**INFORMATION SOURCES USED:**

- |   |                                     |                                     |
|---|-------------------------------------|-------------------------------------|
|   | Yes                                 | No                                  |
| Land Titles legal plan search.....            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Certificate of Title.....                     | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Public Land standing report.....              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| AER Permit map.....                           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Co-op map.....                                | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| ESRD Disposition Spatial Processing Tool..... | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| E.G.I.S. software.....                        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
- Information Searched on : 24 OCT 2017

**CONSENT:**

I/We, consent to the location of the Pad Site and Access Road as shown and have no objections to the AER issuing a drilling licence.

Dated this \_\_\_ day of \_\_\_\_\_, 2017.

Witness

Landowner/Occupant

Landowner/Occupant

**LEGEND:**

- Statutory Iron Survey Post Found shown thus
  - Iron Spike Placed at Well Centre shown thus
  - Landing Point shown thus
  - Temporary Mark shown thus
  - Power Pole shown thus PP
  - Iron Bar shown thus Placed Found
  - Iron Spike shown thus Placed Found
  - Wooden Hub shown thus Placed Found
  - Portions referred to shown thus
  - Geo-referenced point is shown thus RP
- The geo-referenced point is a found statutory Iron Post.  
-Distances are ground and are in metres and decimals thereof.  
-A combined scale factor of 0.999866 was used to scale ground distances to the projection plane.  
-Geo-referenced point coordinates as determined by NRCan-PPP (NAD83 CSRS), Zone 11  
5869737.60 N.      685208.00 E.  
-Bearings are Grid, derived from GNSS Observations, and are referred to the central meridian of 117° W.

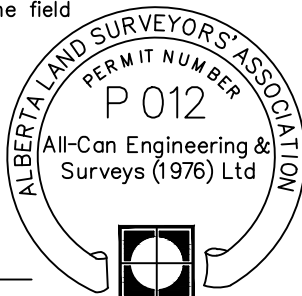
This plan represents the best information available at the time of survey. ALL-CAN ENGINEERING & SURVEYS takes no responsibility for the location of any underground conduits, pipes or other facilities whether shown on or omitted from this plan. All underground installations should be located by the respective authorities prior to construction.

Contact Alberta 1 Call at 1-800-242-3447 or www.alberta1call.com

**AFFIDAVIT:**

I, Daniel R. Jones, Alberta Land Surveyor, of Calgary, Alberta, certify that the survey represented by this plan is true and correct to the best of my knowledge, has been carried out in accordance with the Surveys Act and the Alberta Land Surveyors' Association Manual of Standard Practice, and the field survey was performed on the 25th day of October, 2017.

Alberta Land Surveyor  
Signed: 7th day of November, 2017.



Witness (Qiqi Liang)

**REVISIONS:**

Rev.	Description	PC	DWN	CHK	QC	DATE
0	Plan Issued	SB	QL	AM	TE	07 NOV 2017

**PROJECT INFORMATION:**

Client: MILLENNIUM LAND (AB) LTD.

**AFE: 17-0280, 17-0281, 17-0282 & 17-0283**



Low Area (Dry)

15.00 PIPELINE  
PLAN 172 0190  
Journey Lic.36499, Ln.1

Pasture

Bush  
Poplar  
Up to 25 cm ø

Buried Pipe

Buried Pipe

88°20'00"  
405.39

Low Area (Dry)

15.00 PIPELINE  
PLAN 042 1495  
Questfire Lic.39797, Ln.1

177°44'25"  
23.71

Variable Width  
MILLENNIUM A/R

87°44'25"  
194.88

25.00  
MILLENNIUM  
A/R

185.00  
87°44'25"

177°44'25"  
70.00

70.00  
357°44'25"

67.8

306°58'10"  
187.06

267°44'25"  
15.00

61°35'00"  
271.95

267°44'25"  
70.00

100/04-04

100/03-04

100/14-16

100/13-16

104°01'55"  
285.58

232°19'25"  
140.98

Low Area (Dry)

70.00  
357°44'25"

89.5

177°44'25"  
70.00

Pasture

Pasture

268.59  
87°33'35"

Buried Pipe

185.00  
267°44'25"

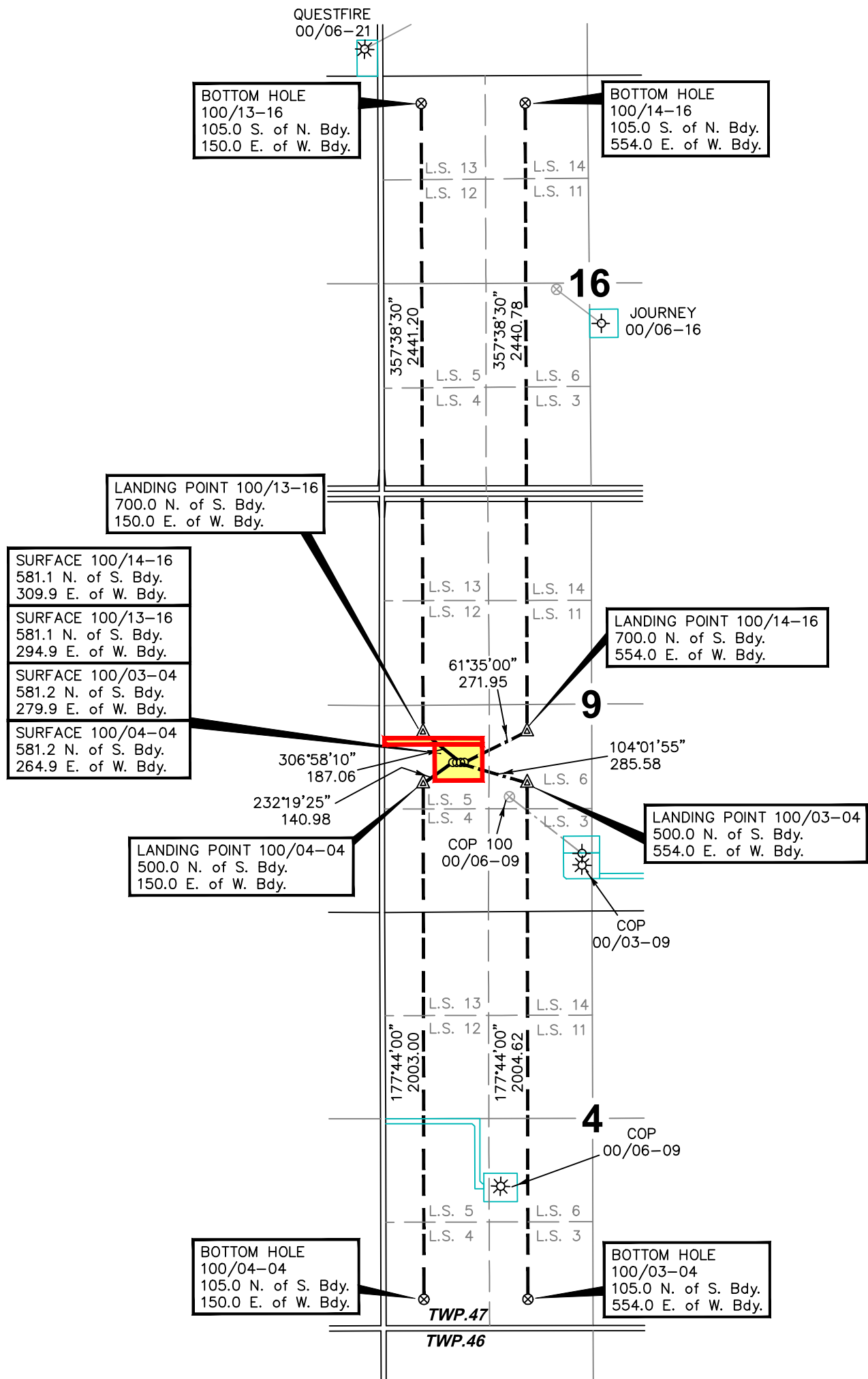
Pasture

127°11'40"  
162.17

15.00 PIPELINE  
PLAN 032 3093  
Cenovus Lic.55488, Ln.1

DETAIL 'A'  
SCALE - 1:1000

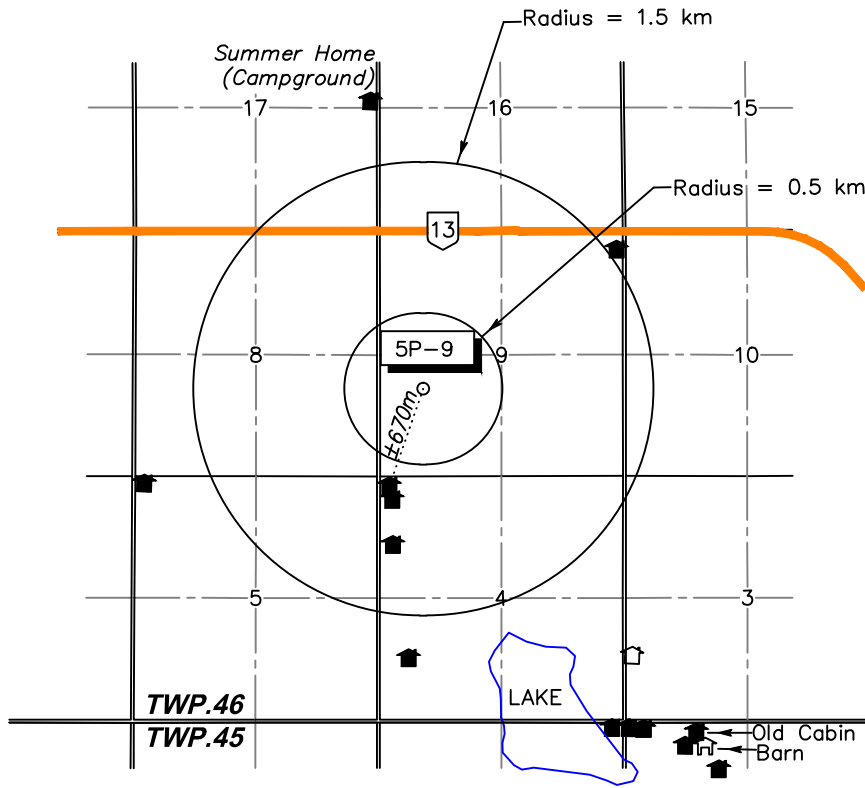




**HORIZONTAL DRILL PATH**  
SCALE - 1:20000

**NOTE:**  
BURIED FACILITIES AND SURFACE DEVELOPMENTS HAVE BEEN REMOVED FOR CLARITY



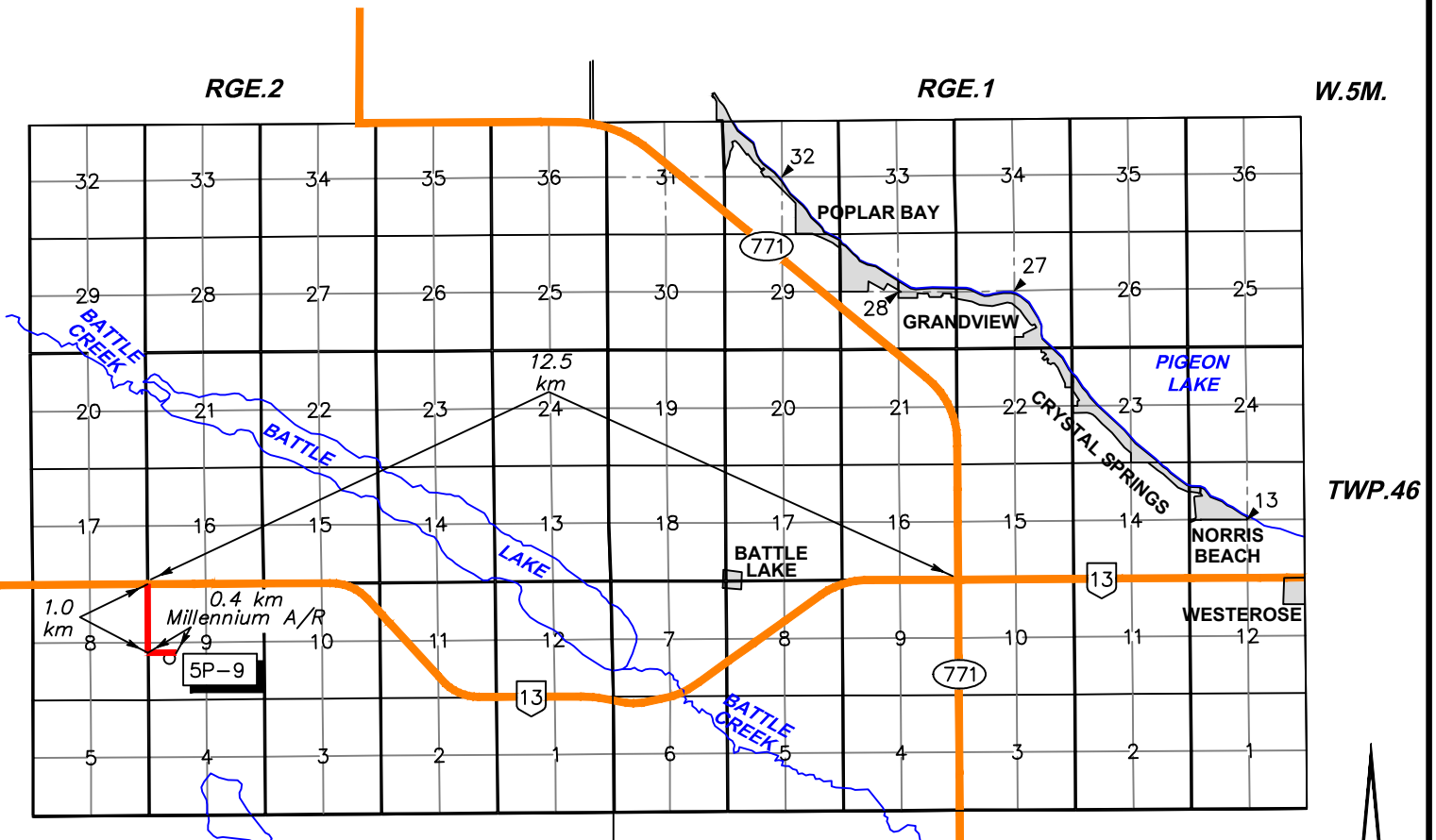


**SURFACE DEVELOPMENT PLAN**

SCALE - 1:50,000

- OCCUPIED RESIDENCE SHOWN THUS.....🏠
- VACANT RESIDENCE SHOWN THUS.....🏠
- OTHER SURFACE DEVELOPMENT SHOWN THUS.....🏠

NOTE: SURFACE DEVELOPMENTS HAVE BEEN CONFIRMED ON THE DATE OF SURVEY, WITHIN THE SHOWN RADII ONLY.



**ROUTE MAP**

SCALE - 1:100,000

WELLNAME	LOCAL COORDINATES						Ground Elevation
	SURFACE		LANDING POINT		BOTTOM HOLE		
MILLENNIUM HZ PEMBINA 3-4-46-2	581.2 N. of S. Bdy. Sec.9	279.9 E. of W. Bdy. Sec.9	500.0 N. of S. Bdy. Sec.9	554.0 E. of W. Bdy. Sec.9	105.0 N. of S. Bdy. Sec.4	554.0 E. of W. Bdy. Sec.4	980.27
MILLENNIUM HZ PEMBINA 4-4-46-2	581.2 N. of S. Bdy. Sec.9	264.9 E. of W. Bdy. Sec.9	500.0 N. of S. Bdy. Sec.9	150.0 E. of W. Bdy. Sec.9	105.0 N. of S. Bdy. Sec.4	150.0 E. of W. Bdy. Sec.4	979.79
MILLENNIUM HZ PEMBINA 13-16-46-2	581.1 N. of S. Bdy. Sec.9	294.9 E. of W. Bdy. Sec.9	700.0 N. of S. Bdy. Sec.9	150.0 E. of W. Bdy. Sec.9	105.0 S. of N. Bdy. Sec.16	150.0 E. of W. Bdy. Sec.16	980.09
MILLENNIUM HZ PEMBINA 14-16-46-2	581.1 N. of S. Bdy. Sec.9	309.9 E. of W. Bdy. Sec.9	700.0 N. of S. Bdy. Sec.9	554.0 E. of W. Bdy. Sec.9	105.0 S. of N. Bdy. Sec.16	554.0 E. of W. Bdy. Sec.16	979.62

WELLNAME	UTM CO-ORDINATES - NAD83 (Zone 11, Central Meridian = 117°W)						UTM CO-ORDINATES - NAD27 (Zone 11, Central Meridian = 117°W)					
	SURFACE		LANDING POINT		BOTTOM HOLE		SURFACE		LANDING POINT		BOTTOM HOLE	
	Northing	Easting	Northing	Easting	Northing	Easting	Northing	Easting	Northing	Easting	Northing	Easting
MILLENNIUM HZ PEMBINA 3-4-46-2	5870331.26	685484.74	5870262.03	685761.77	5868259.24	685841.03	5870110.07	685560.25	5870040.78	685837.31	5868038.03	685916.55
MILLENNIUM HZ PEMBINA 4-4-46-2	5870330.68	685469.77	5870244.52	685358.20	5868243.36	685437.40	5870109.49	685545.27	5870023.34	685433.69	5868022.16	685512.90
MILLENNIUM HZ PEMBINA 13-16-46-2	5870331.86	685499.74	5870444.34	685350.30	5872883.14	685249.87	5870110.64	685575.30	5870223.17	685425.80	5872661.79	685325.43
MILLENNIUM HZ PEMBINA 14-16-46-2	5870332.45	685514.72	5870461.85	685753.87	5872900.24	685653.46	5870111.22	685590.27	5870240.61	685829.40	5872678.90	685729.04

WELLNAME	GEOGRAPHIC CO-ORDINATES - NAD83, ATS 4.1 (Decimal Degrees)						GEOGRAPHIC CO-ORDINATES - NAD27 (Degrees, Minutes, Seconds)					
	SURFACE		LANDING POINT		BOTTOM HOLE		SURFACE		LANDING POINT		BOTTOM HOLE	
	Latitude (N)	Longitude (W)	Latitude (N)	Longitude (W)	Latitude (N)	Longitude (W)	Latitude (N)	Longitude (W)	Latitude (N)	Longitude (W)	Latitude (N)	Longitude (W)
MILLENNIUM HZ PEMBINA 3-4-46-2	52.950492°	114.238989°	52.949774°	114.234910°	52.931764°	114.234879°	52°57'01.559"	114°14'16.670"	52°56'58.974"	114°14'01.986"	52°55'54.138"	114°14'01.878"
MILLENNIUM HZ PEMBINA 4-4-46-2	52.950492°	114.239212°	52.949757°	114.240920°	52.931761°	114.240886°	52°57'01.559"	114°14'17.473"	52°56'58.913"	114°14'23.622"	52°55'54.127"	114°14'23.503"
MILLENNIUM HZ PEMBINA 13-16-46-2	52.950492°	114.238765°	52.951554°	114.240923°	52.973486°	114.241021°	52°57'01.559"	114°14'15.864"	52°57'05.382"	114°14'23.633"	52°58'24.334"	114°14'23.982"
MILLENNIUM HZ PEMBINA 14-16-46-2	52.950492°	114.238542°	52.951571°	114.234913°	52.973500°	114.235008°	52°57'01.559"	114°14'15.061"	52°57'05.443"	114°14'01.997"	52°58'24.384"	114°14'02.335"

WELLNAME	AFE
MILLENNIUM HZ PEMBINA 3-4-46-2	17-0281
MILLENNIUM HZ PEMBINA 4-4-46-2	17-0283
MILLENNIUM HZ PEMBINA 13-16-46-2	17-0282
MILLENNIUM HZ PEMBINA 14-16-46-2	17-0280

**MILLENNIUM PAD SITE 5P-9-46-2 (W5M)**