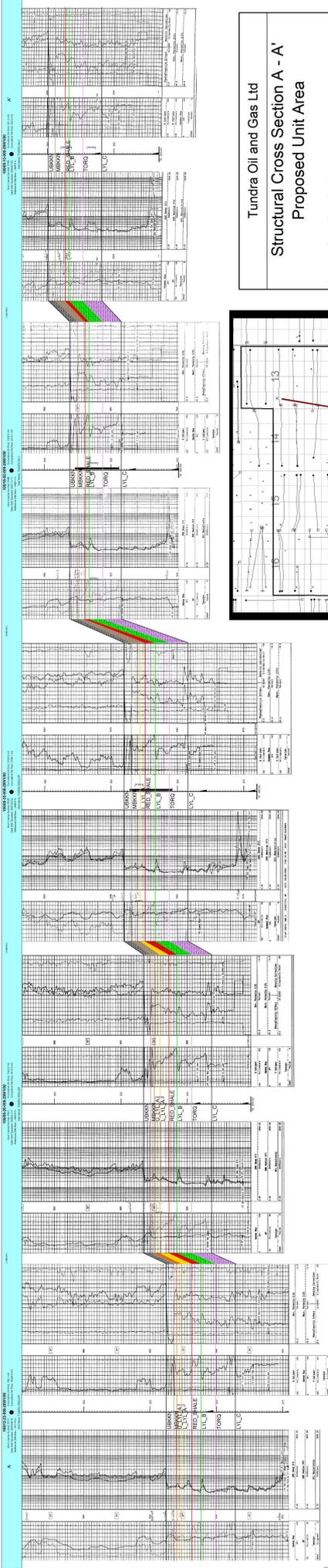


## **Proposed Sinclair Unit No. 19**

### **Application for Enhanced Oil Recovery Waterflood Project**

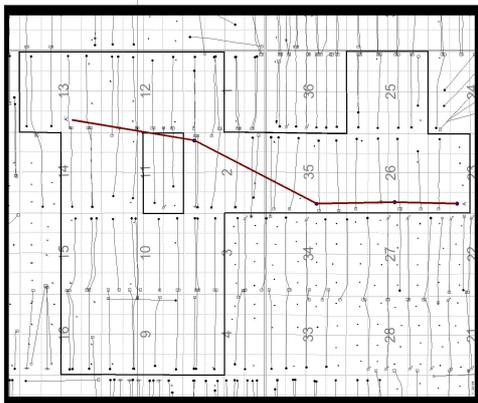
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**Tundra Oil and Gas Ltd**  
**Structural Cross Section A - A'**  
**Proposed Unit Area**

Licensed to: Tundra Oil and Gas Ltd  
 Date: 28/10/2016  
 Datum: Sea Level | Ref: 0.0 m | By: Howell  
 Interval: From LIBRCON.LD.TORG | Scale: 1:300





R30

R29

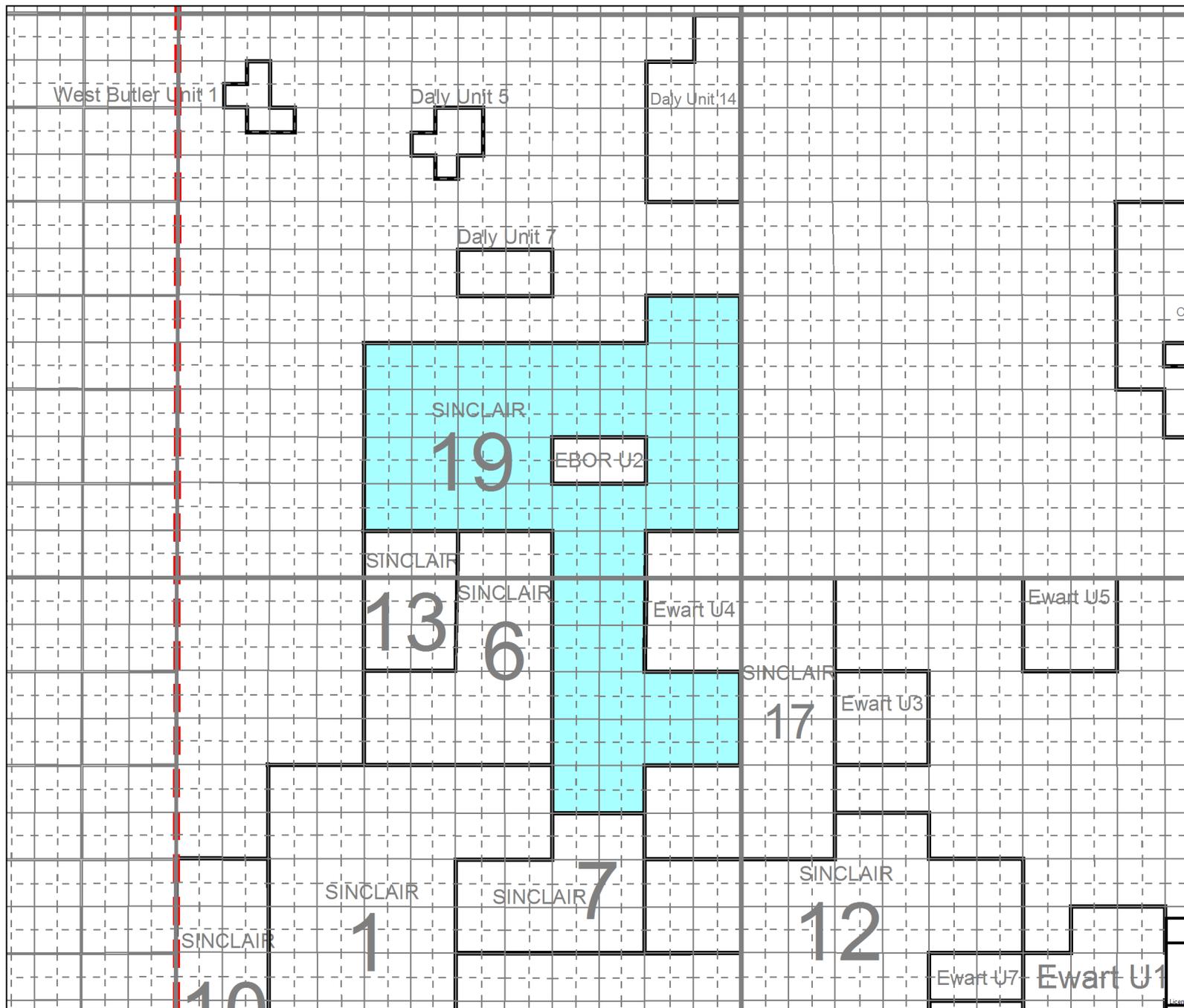
R28W1

T9

T9

T8

T8



R30

R29

R28W1

Tundra Oil & Gas	
PROPOSED SINCLAIR UNIT 19	
Proposed Sinclair Unit 19 Boundary	
Offsetting Units in SW Manitoba	
g55COUT	g55COUT
By: Hankard	Date: 2016/03/23
Scale: 1:57500	Project: Sinclair Unit 19 Extension



R29

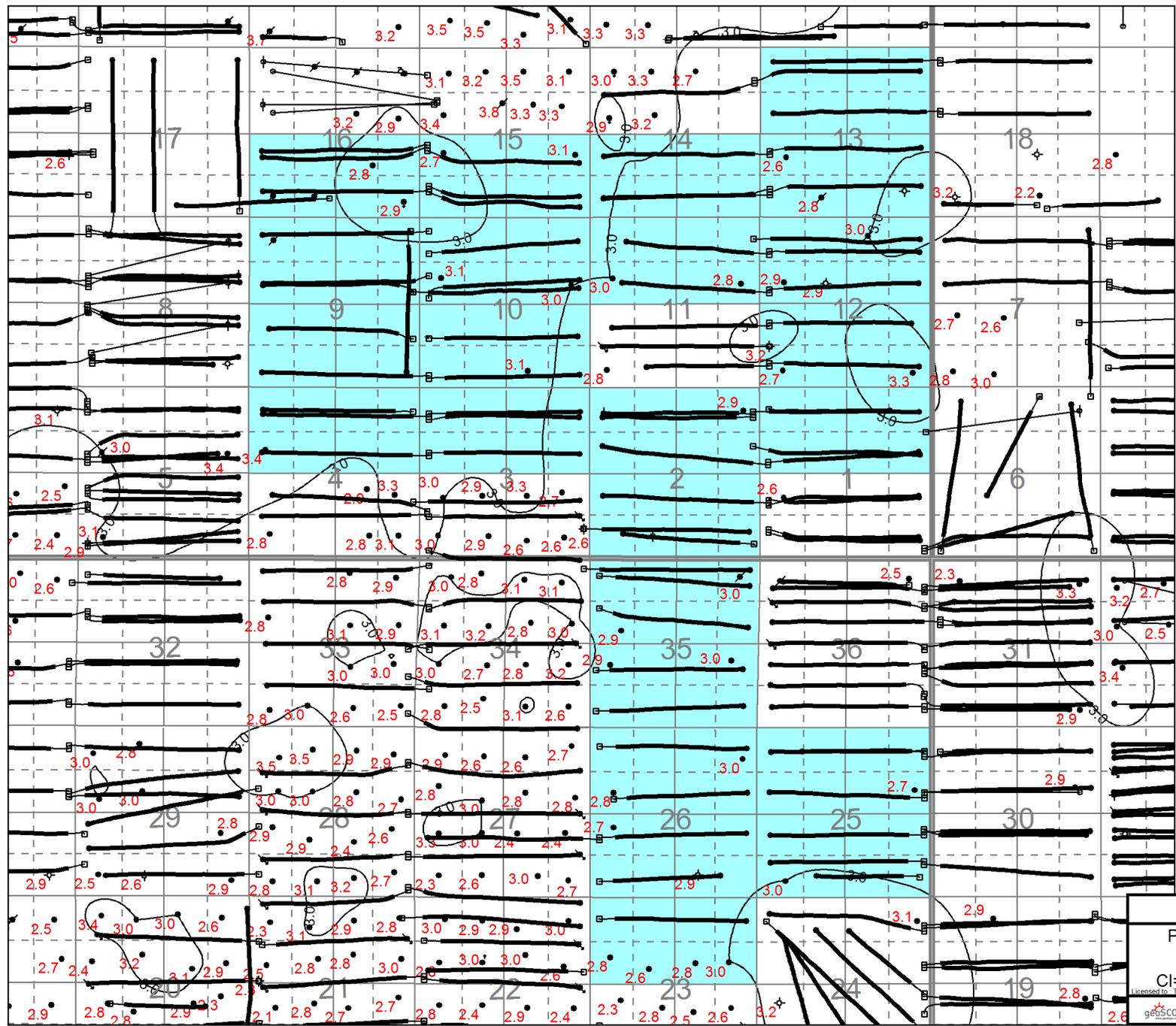
R28W1

T9

T9

T8

T8



R29

R28W1

Tundra Oil & Gas		
PROPOSED SINCLAIR UNIT 19		
Upper Bakken Isopach		
CI=0.5m, Well values posted in RED		
<small>Licensed to: Tundra Oil &amp; Gas</small>	<small>By: Hackett</small>	<small>Date: 2016/03/28</small>
<small>geoscout</small>	<small>Scale = 1:54500</small>	<small>Project: Sinclair Doby 2015 Expansion</small>



R29

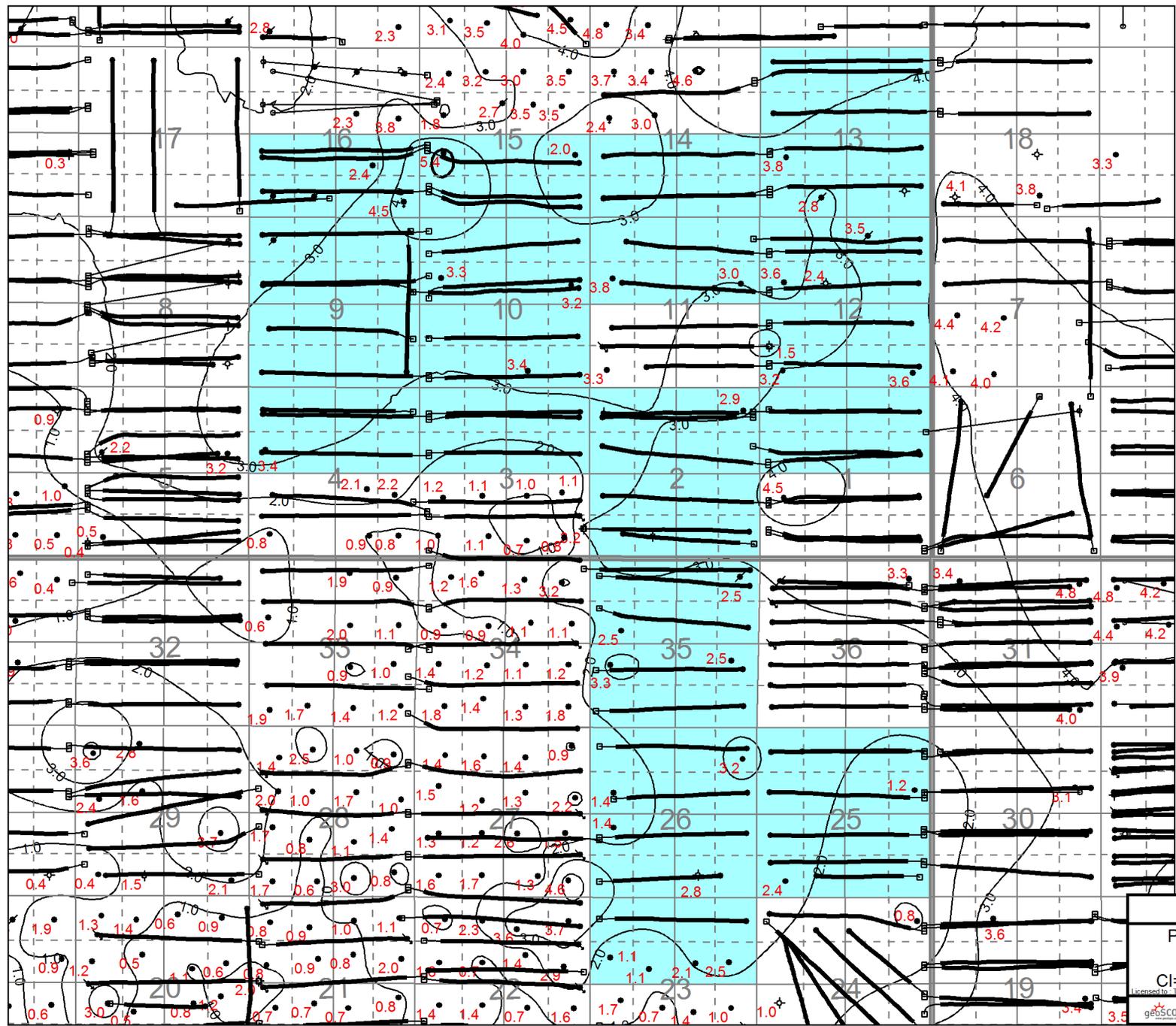
R28W1

T9

T9

T8

T8



R29

R28W1

Tundra Oil & Gas		
PROPOSED SINCLAIR UNIT 19		
Middle Bakken Isopach		
CI=1.0m, Well values posted in RED		
<small>gpcSCOUT</small>	<small>By: Hackett</small>	<small>Date: 2016/03/28</small>
<small>Scale = 1:54500</small>	<small>Project: Sinclair Doby 2015 Expansion</small>	



R29

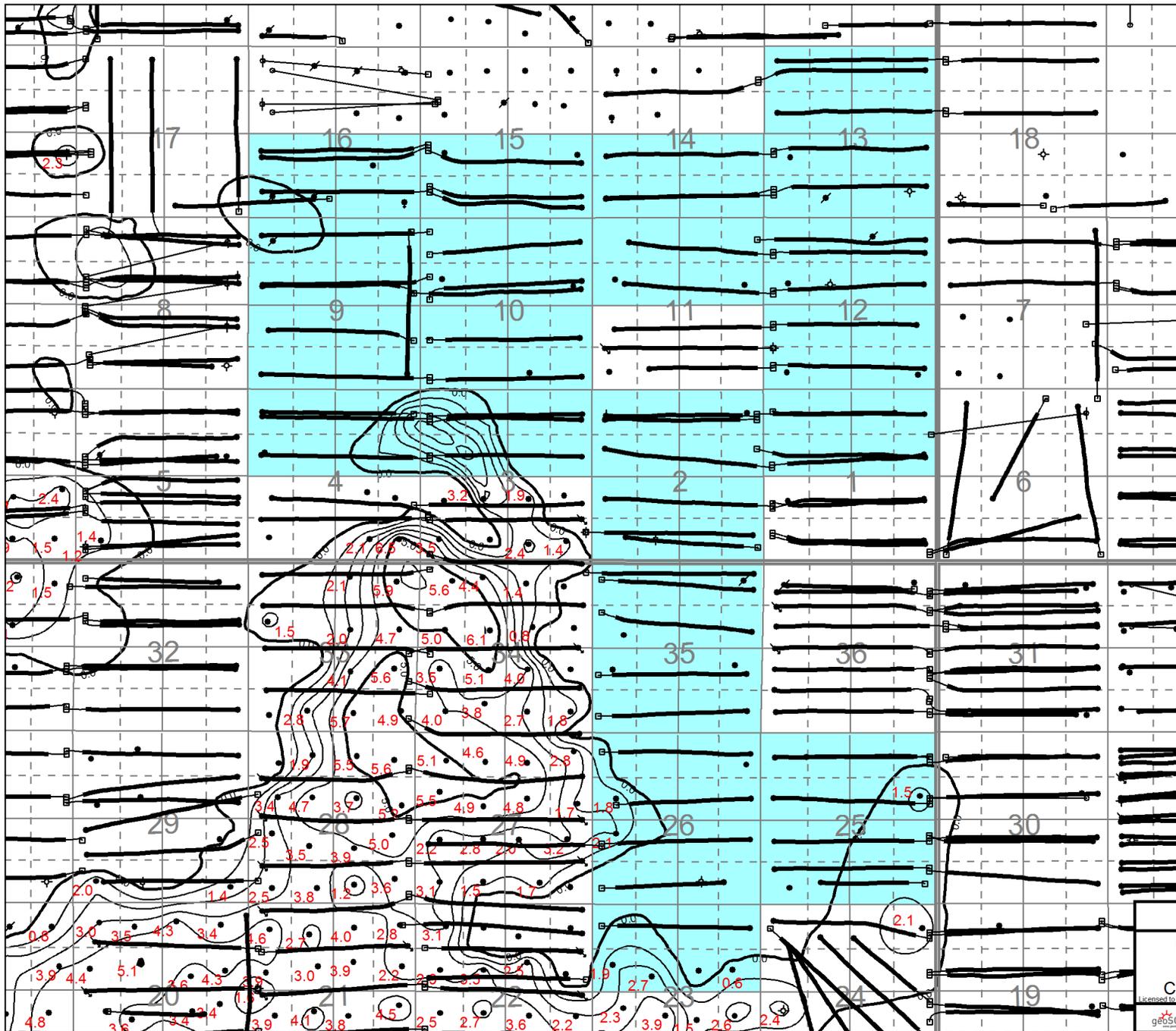
R28W1

T9

T9

T8

T8



R29

R28W1

Tundra Oil & Gas		
PROPOSED SINCLAIR UNIT 19		
Upper Lyleton A Isopach		
CI=1.0m, Well values posted in RED		
<small>Licensed to: Tundra Oil &amp; Gas</small>	<small>By: Hackett</small>	<small>Date: 2016/03/28</small>
<small>geOSCOUT</small>	<small>Scale = 1:54500</small>	<small>Project: Sinclair Doby 2015 Expansion</small>







R29

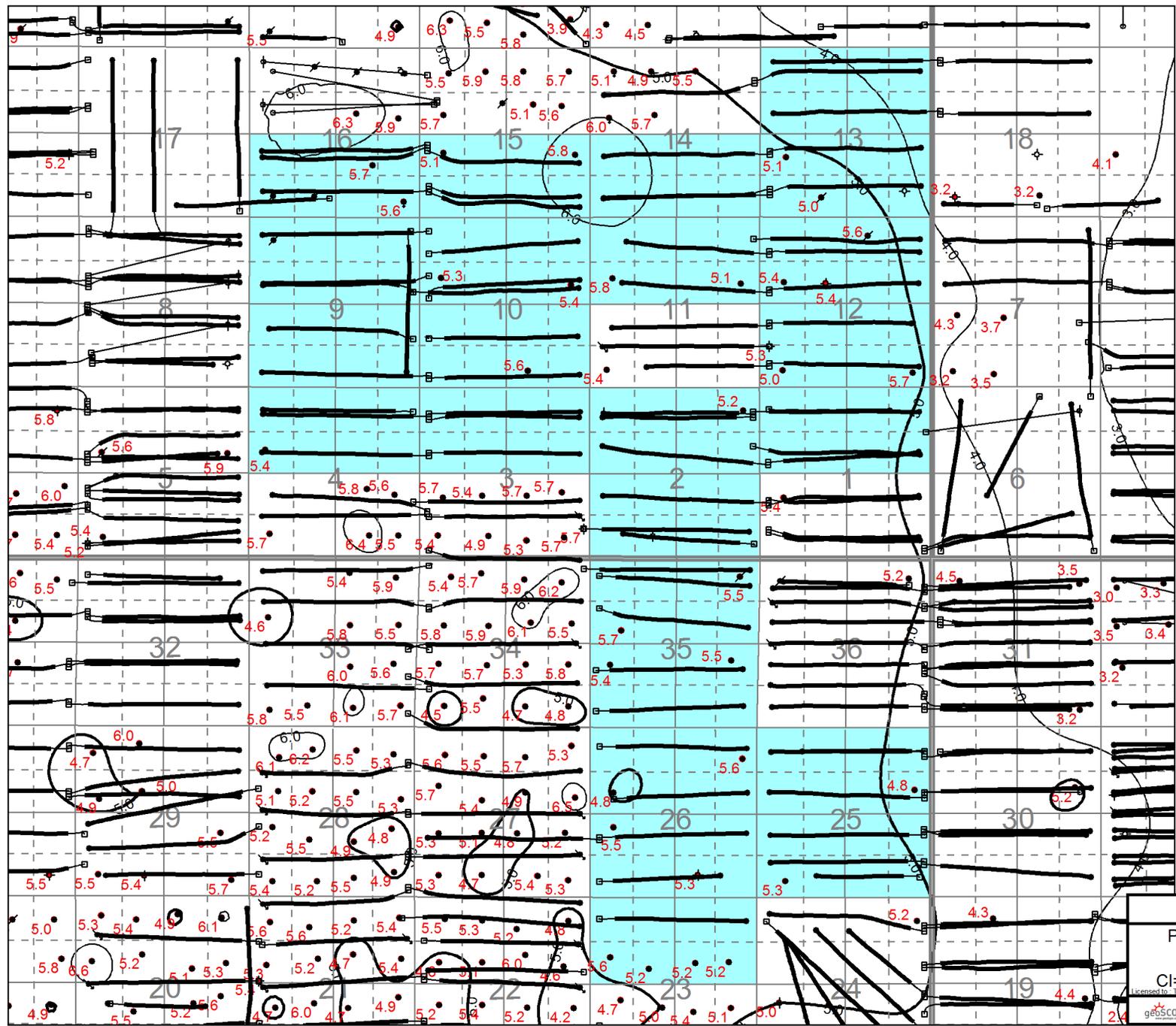
R28W1

T9

T9

T8

T8



R29

R28W1

Tundra Oil & Gas			
PROPOSED SINCLAIR UNIT 19			
Lyleton B Isopach			
CI=1.0m, Well values posted in RED			
<small>Licensed to: Tundra Oil &amp; Gas</small>	<small>By: Hackett</small>	<small>Date: 2016/03/28</small>	<small>Scale: 1:54500</small>
<small>geOSCOUT</small>	<small>Project: Sinclair Doby 2015 Expansion</small>		



R29

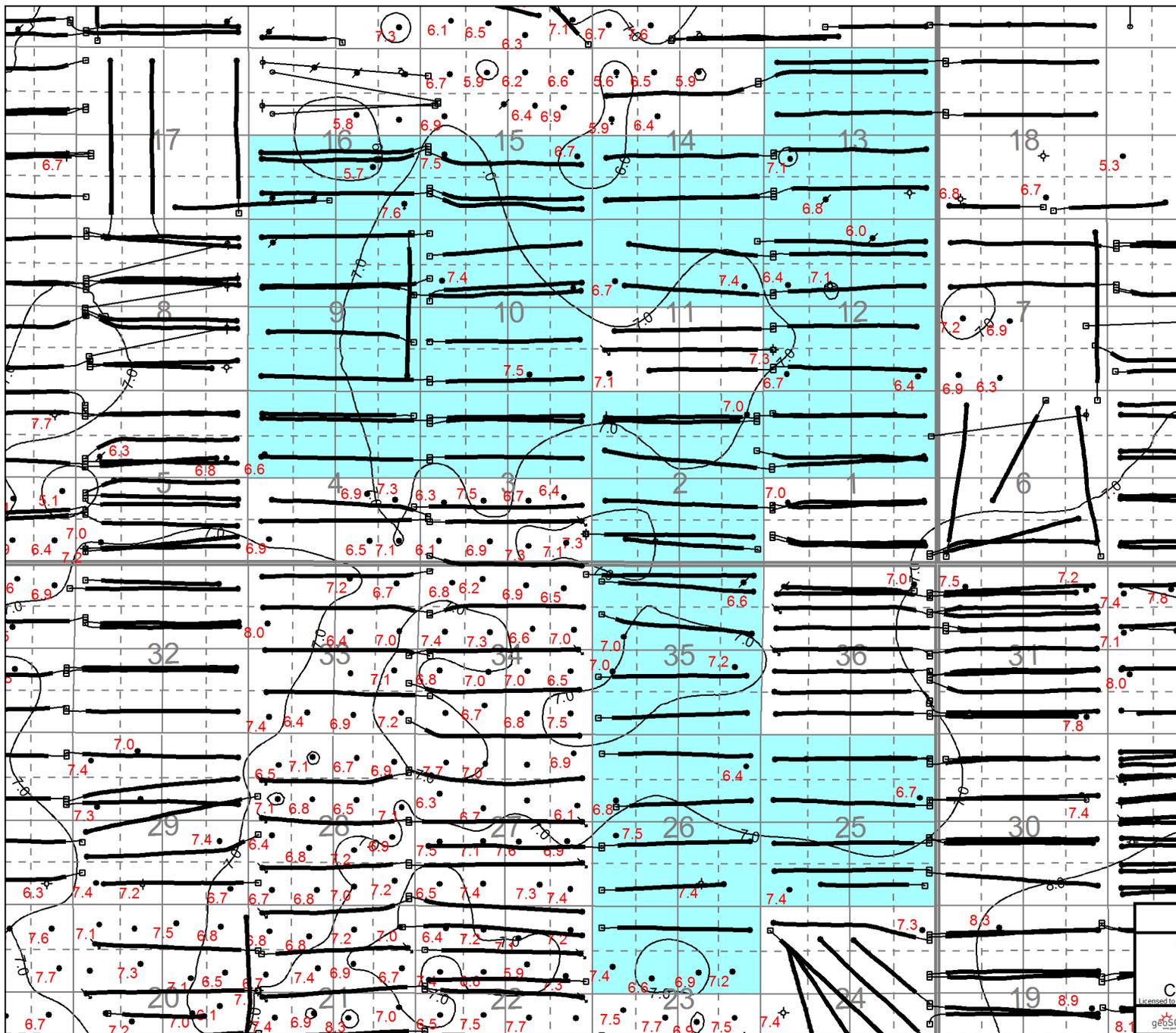
R28W1

T9

T9

T8

T8



R29

R28W1

Tundra Oil & Gas	
PROPOSED SINCLAIR UNIT 19	
Torquay Shale Isopach	
CI=1.0m, Well values posted in RED	
<small>gescout</small>	<small>By: Hackett Date: 2016/03/28</small>
<small>Scale = 1:54529</small>	<small>Project: Sinclair Doby 2015 Expansion</small>



R29

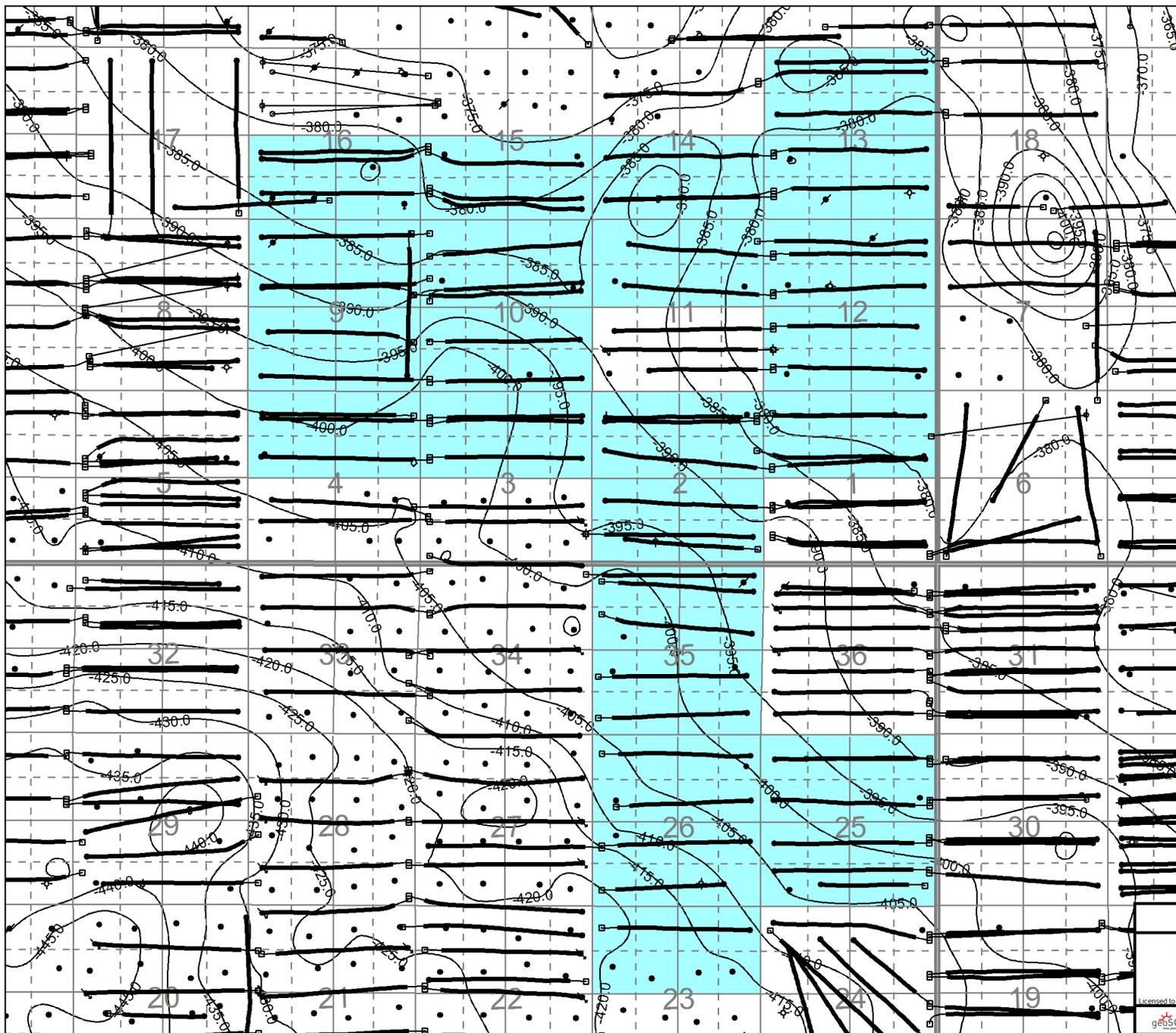
R28W1

T9

T9

T8

T8



R29

R28W1

Tundra Oil & Gas	
PROPOSED SINCLAIR UNIT 19	
Upper Bakken Structure	
CI=5.0m	
Licensed to: Tundra Oil & Gas	Date: 2016/03/28
By: Hackett	Scale: 1:54529
gpcscout	Project: Sinclair Doby 2015 Expansion



R29

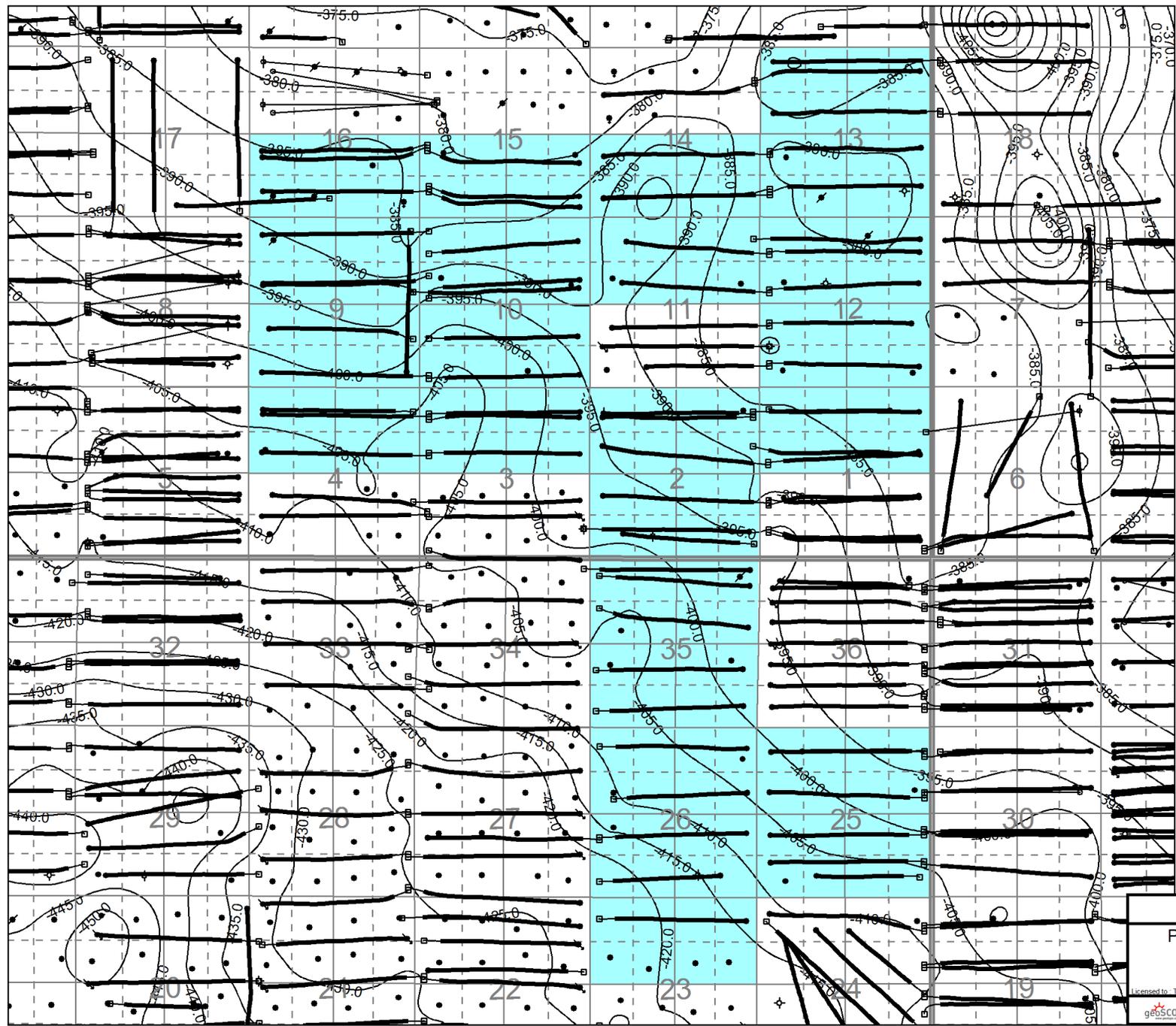
R28W1

T9

T9

T8

T8



R29

R28W1

Tundra Oil & Gas		
PROPOSED SINCLAIR UNIT 19		
Middle Bakken Structure		
CI=5.0m		
g5SCOUT	By: Hackett	Date: 2016/03/28
g5SCOUT	Scale: 1:54500	Project: Sinclair Doby 2015 Expansion



R29

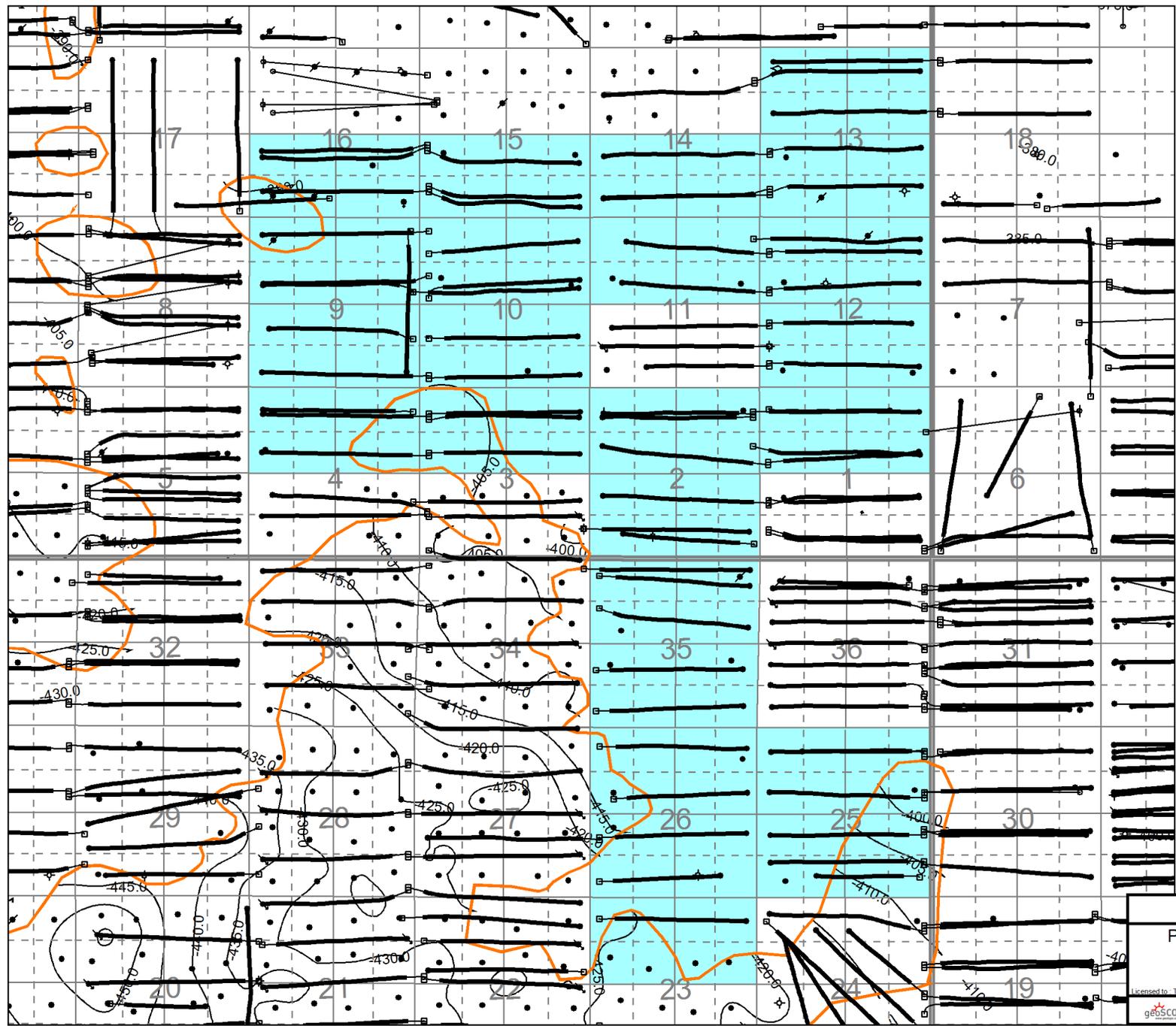
R28W1

T9

T9

T8

T8



Tundra Oil & Gas			
PROPOSED SINCLAIR UNIT 19			
Upper Lyleton A Structure			
CI=5.0			
<small>Licensed to: Tundra Oil &amp; Gas</small>	<small>By: Hackett</small>	<small>Date: 2016/03/28</small>	<small>gEO5SCOUT</small>
<small>Scale = 1:54529</small>	<small>Project: Sinclair Doby 2015 Expansion</small>		

R29

R28W1



R29

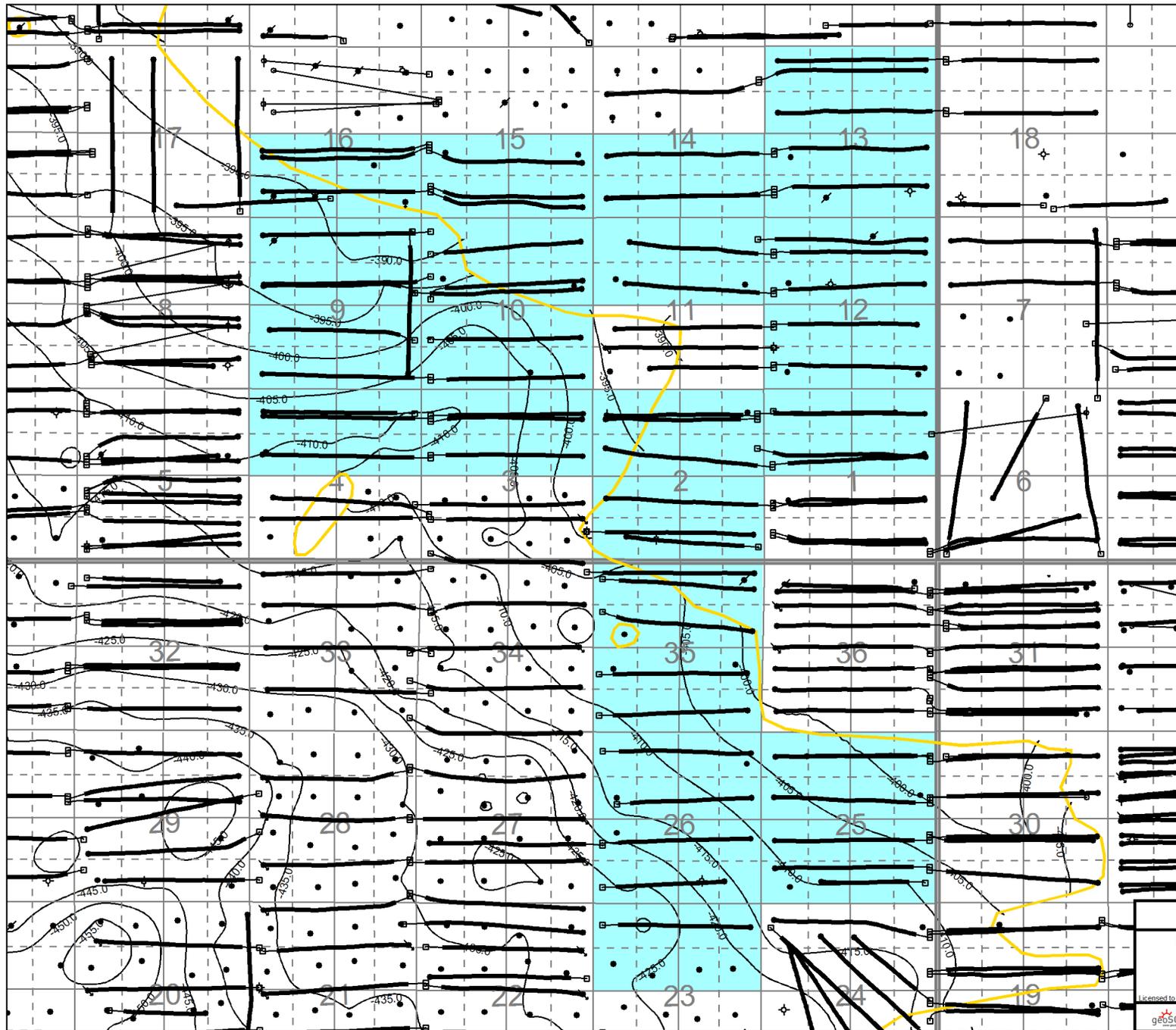
R28W1

T9

T9

T8

T8



R29

R28W1

Tundra Oil & Gas		
PROPOSED SINCLAIR UNIT 19		
Lower Lyleton A Structure		
CI=5.0m		
<small>Licensed to: Tundra Oil &amp; Gas</small>	<small>By: Hackett</small>	<small>Date: 2016/03/28</small>
<small>geOSCOUT</small>	<small>Scale = 1:54529</small>	<small>Project: Sinclair Doby 2015 Expansion</small>



R29

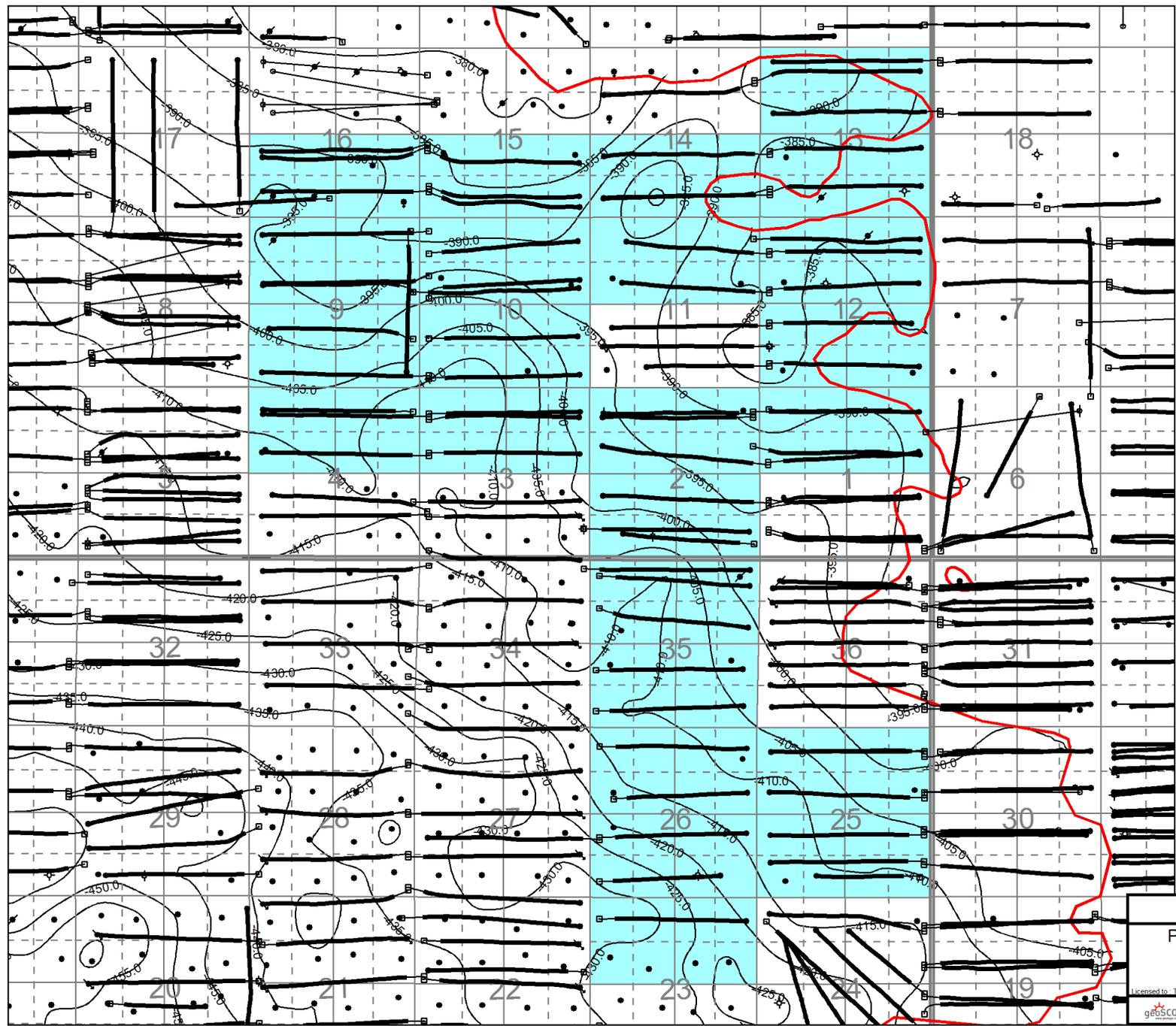
R28W1

T9

T9

T8

T8



R29

R28W1

Tundra Oil & Gas		
PROPOSED SINCLAIR UNIT 19		
Red Shale Marker Structure		
CI=5.0m		
<small>Licensed to: Tundra Oil &amp; Gas</small>	<small>By: Hackett</small>	<small>Date: 2016/03/28</small>
<small>geOSCOUT</small>	<small>Scale = 1:54529</small>	<small>Project: Sinclair Doby 2015 Expansion</small>



R29

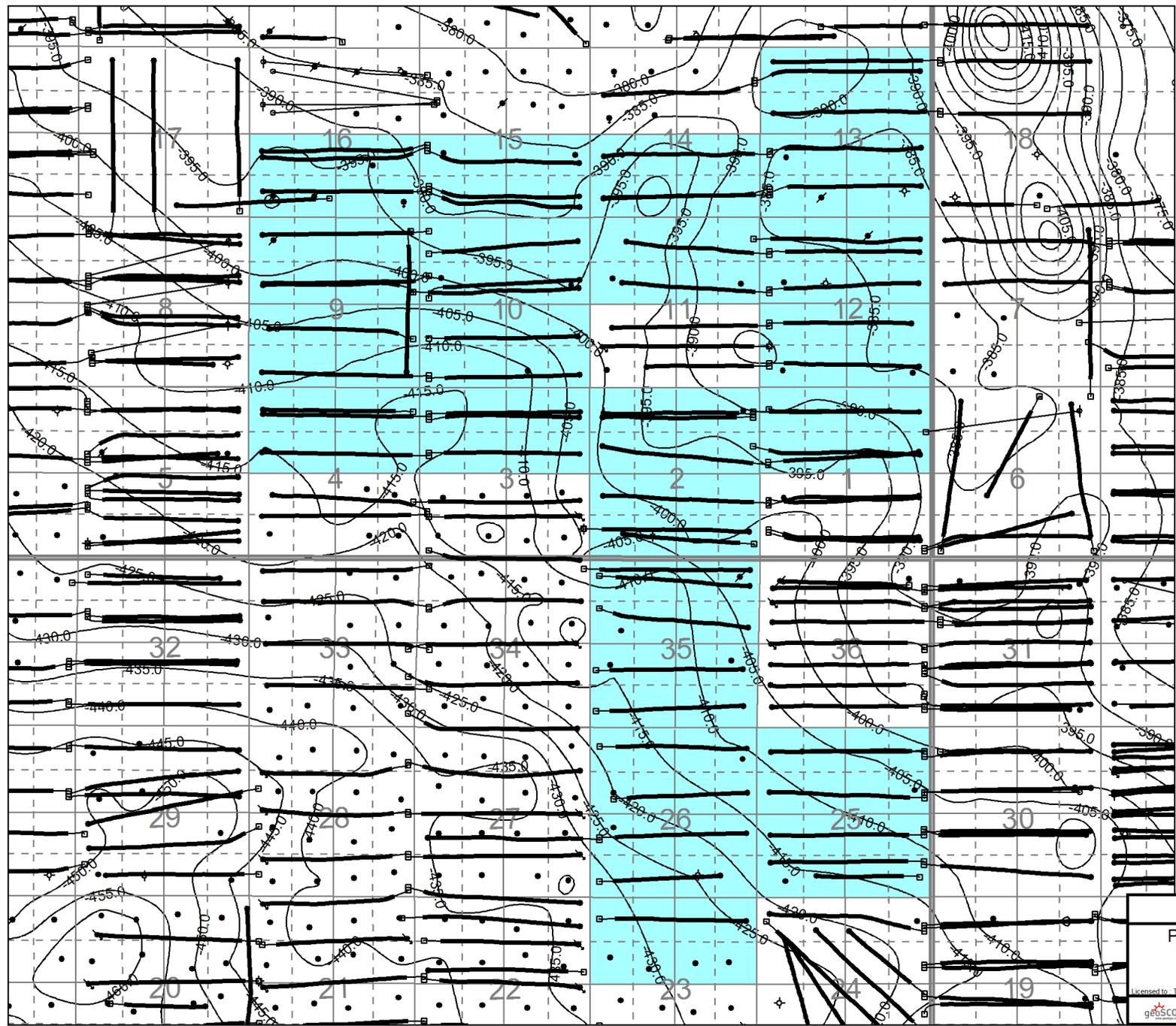
R28W1

T9

T9

T8

T8



R29

R28W1

Tundra Oil & Gas		
PROPOSED SINCLAIR UNIT 19		
Lyleton B Structure		
CI=5.0m		
gpcOUT	By: Hackett	Date: 2016/03/28
gpcOUT	Scale: 1:54529	Project: Sinclair Doby 2015 Expansion



R29

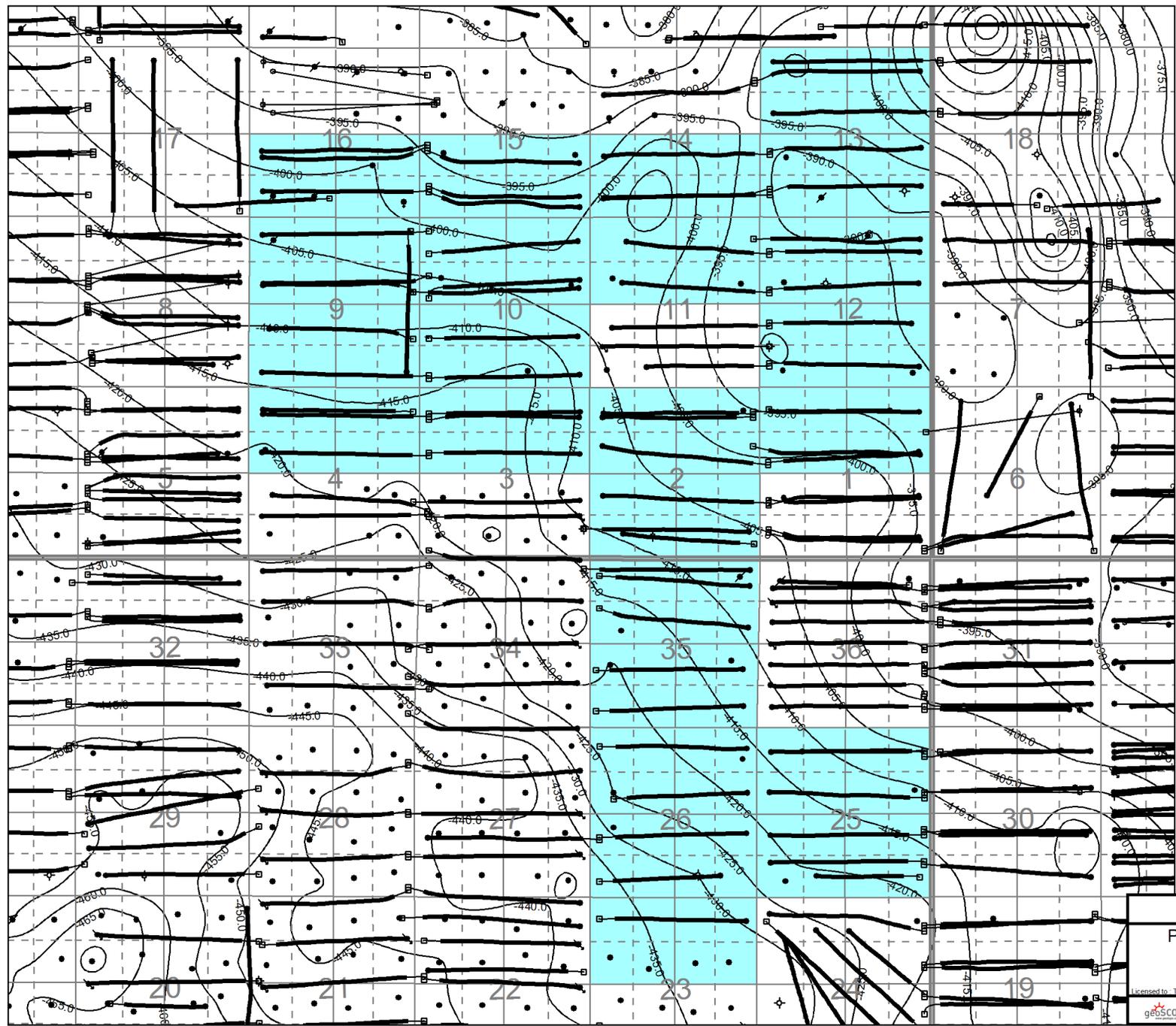
R28W1

T9

T9

T8

T8



R29

R28W1

Tundra Oil & Gas		
PROPOSED SINCLAIR UNIT 19		
Torquay Shale Structure		
CI=5.0m		
gescout	By: Hackett	Date: 2016/03/28
	Scale: 1:54529	Project: Sinclair Doby 2015 Expansion







R29

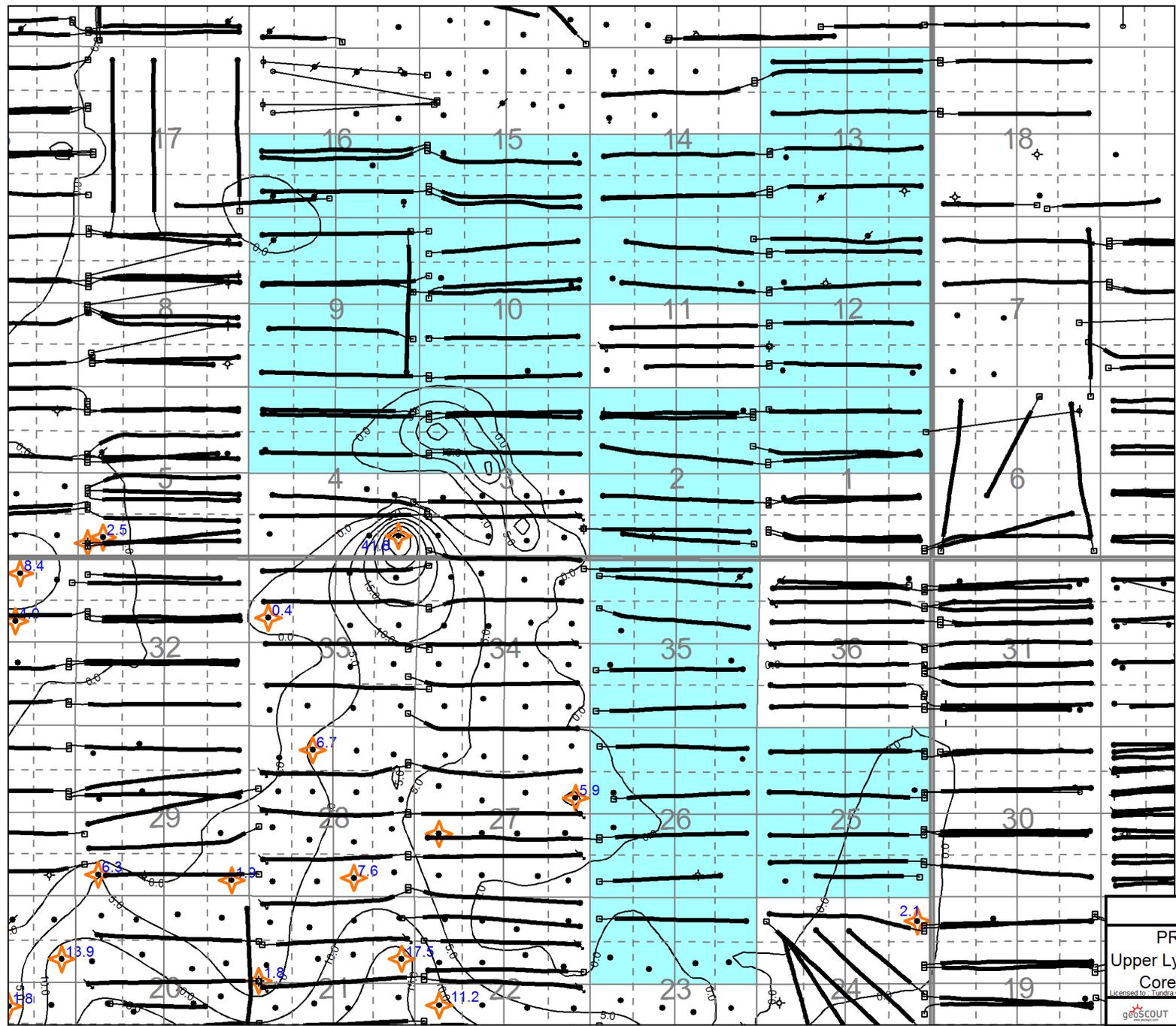
R28W1

T9

T9

T8

T8



R29

R28W1

Tundra Oil & Gas

**PROPOSED SINCLAIR UNIT 19**  
Upper Lyleton A  $k^*h@0.5mD$  CO, CI=1mD\*m  
Core points starred and values posted

licensed to - Tundra Oil & Gas

By - Hackett	Date - 2016/03/28
Scale = 1:64529	Project - Sinclair Dalv 2015 Evanson

gEBCOUT





R29

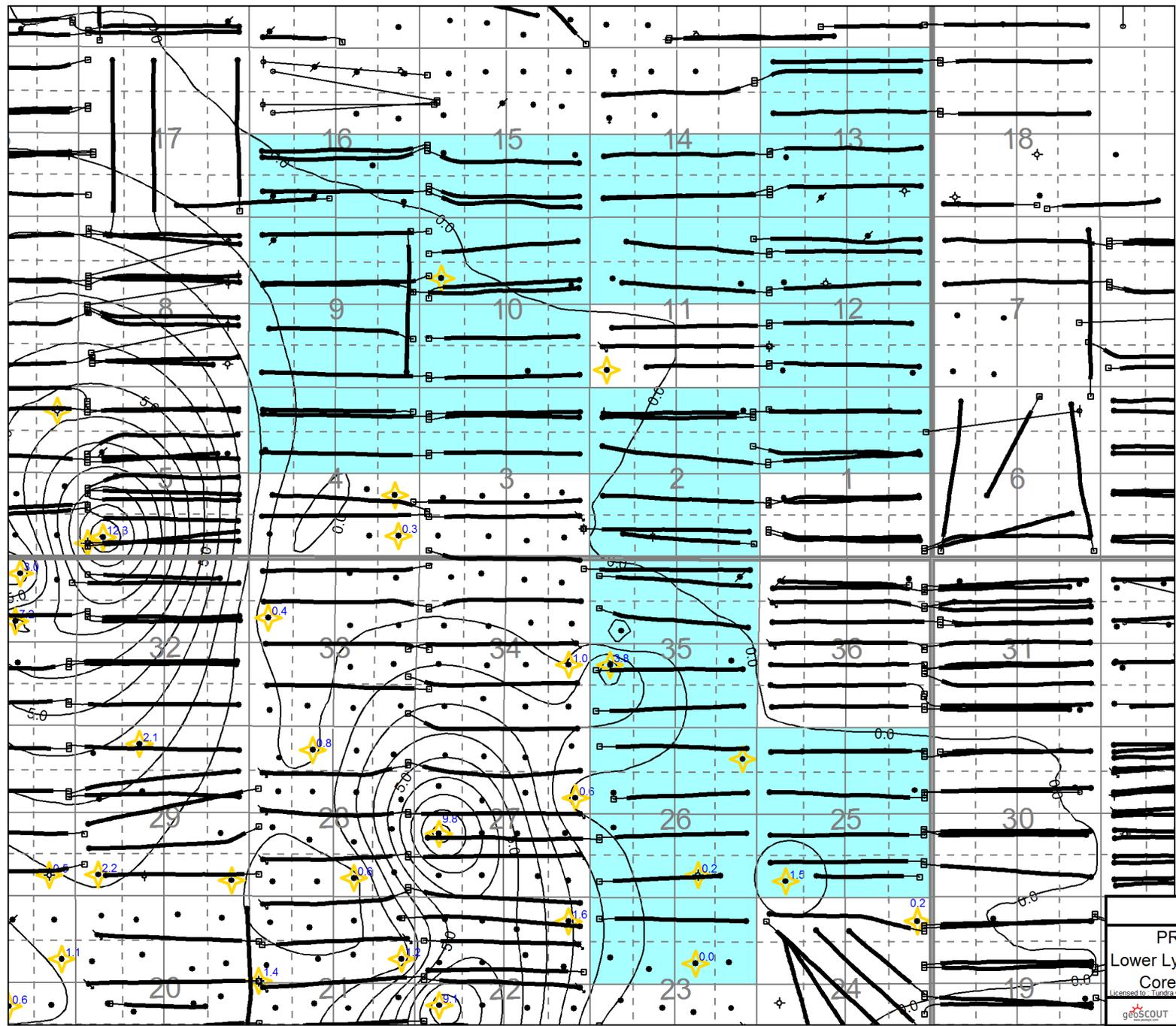
R28W1

T9

T9

T8

T8



R29

R28W1

Tundra Oil & Gas		
PROPOSED SINCLAIR UNIT 19		
Lower Lyleton A k*h@0.5mD CO, CI=1mD*m		
Core points starred and values posted		
licensed to - Tundra Oil & Gas	By - Hackett	Date - 20160328
gESCOUT	Scale = 1:64529	Project - Sinclair Dalu 2015 Evanson



R29

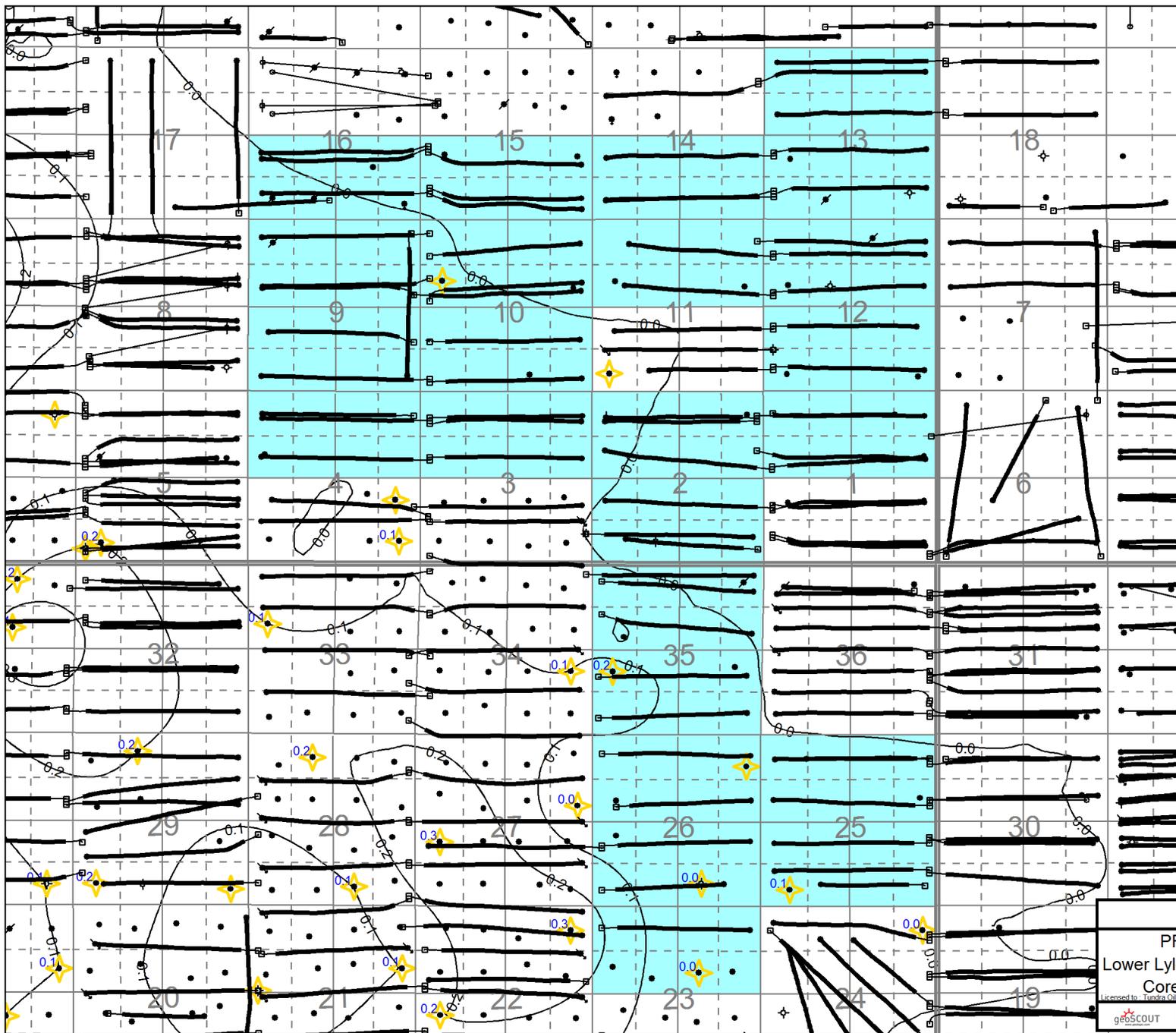
R28W1

T9

T9

T8

T8



R29

R28W1

Tundra Oil & Gas	
PROPOSED SINCLAIR UNIT 19	
Lower Lyleton A $\phi_i^*h@0.5mD$ CO, CI=0.1 $\phi_i^*m$	
Core points starred and values posted	
<small>geoSCOUT</small>	<small>By: Hackert Date: 2016/03/28</small>
<small>Scale = 1:54920</small>	<small>Project: Sinclair Dabry 2015 Expansion</small>





R29

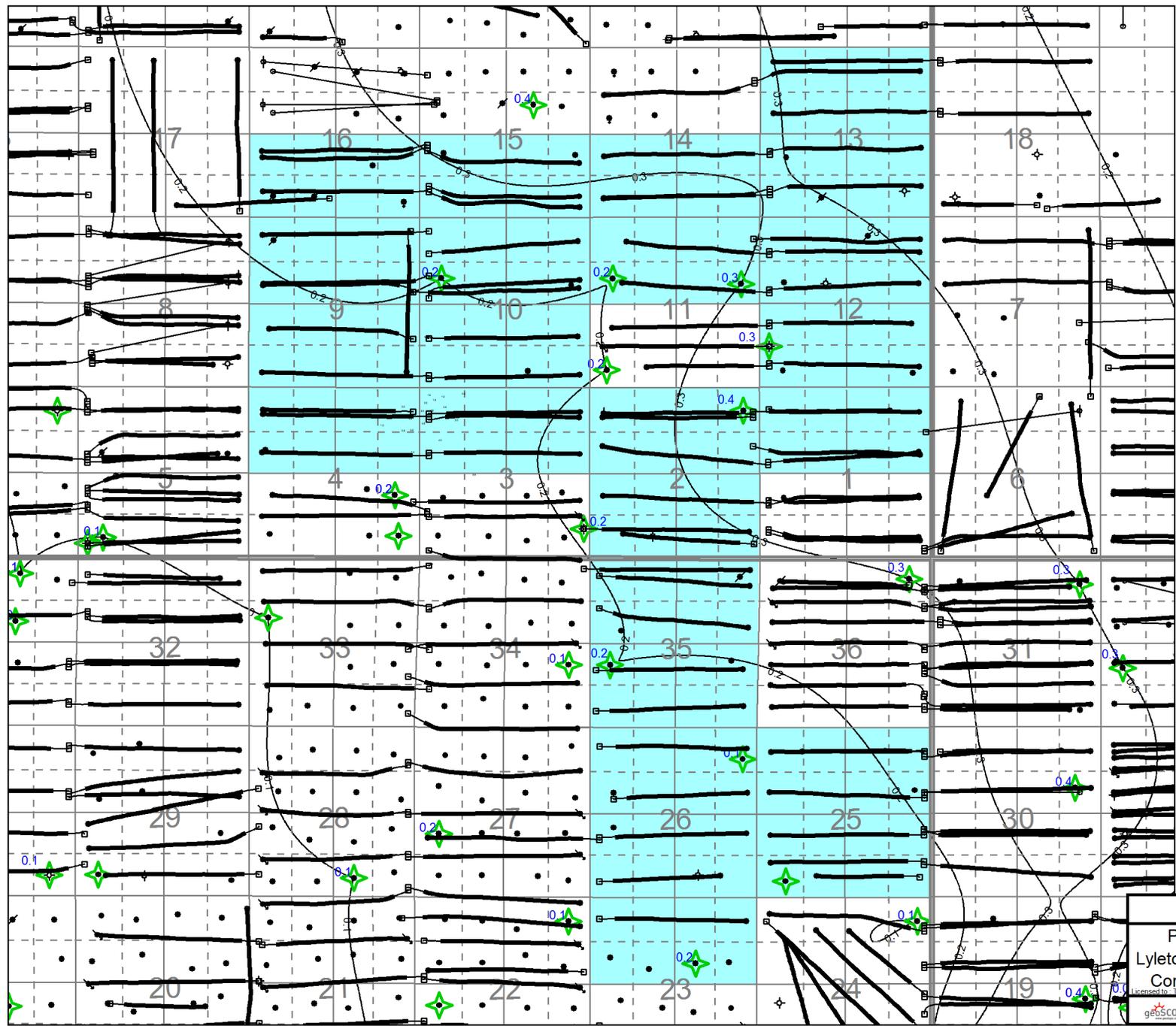
R28W1

T9

T9

T8

T8



R29

R28W1

Tundra Oil & Gas		
PROPOSED SINCLAIR UNIT 19		
Lyleton B $\phi_i^*h@0.5mD$ CO, CI=0.1 $\phi_i^*m$		
Core points starred and values posted		
gEOSCOUT	By: Hackett	Date: 2016/03/28
Licensed to: Tundra Oil & Gas	Scale: 1:54500	Project: Sinclair Doby 2015 Expansion



R30

R29

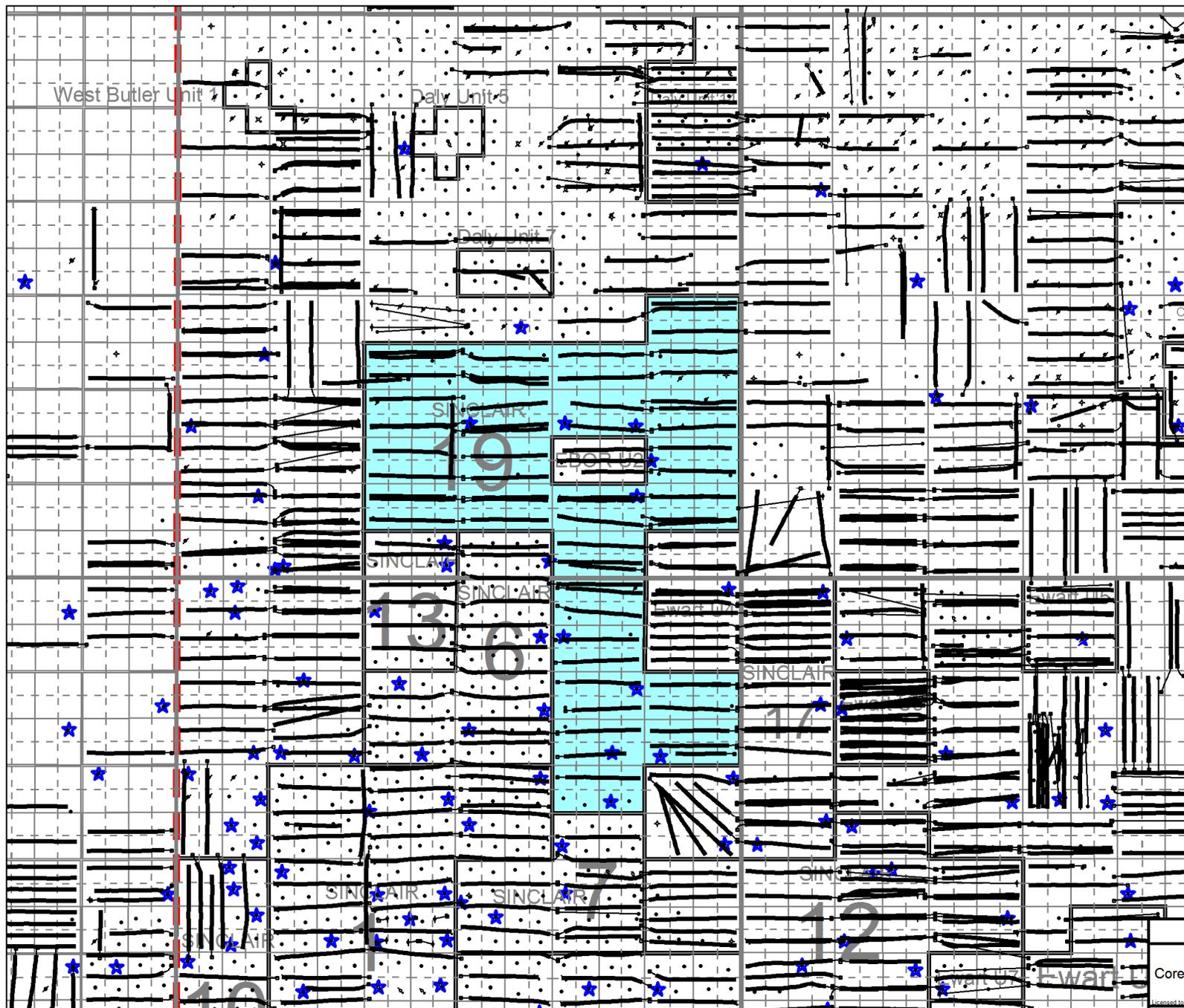
R28W1

T9

T9

T8

T8



R30

R29

R28W1

Tundra Oil & Gas		
PROPOSED SINCLAIR UNIT 19		
Cored well coverage over Sinclair Unit 19 AOI		
Cored Wells Starred		
<small>geoSCOUT</small>	<small>By: Backer</small>	<small>Date: 2015/03/23</small>
<small>Scale = 1:27500</small>	<small>Project: Sinclair Daily 2015 Expansion</small>	