

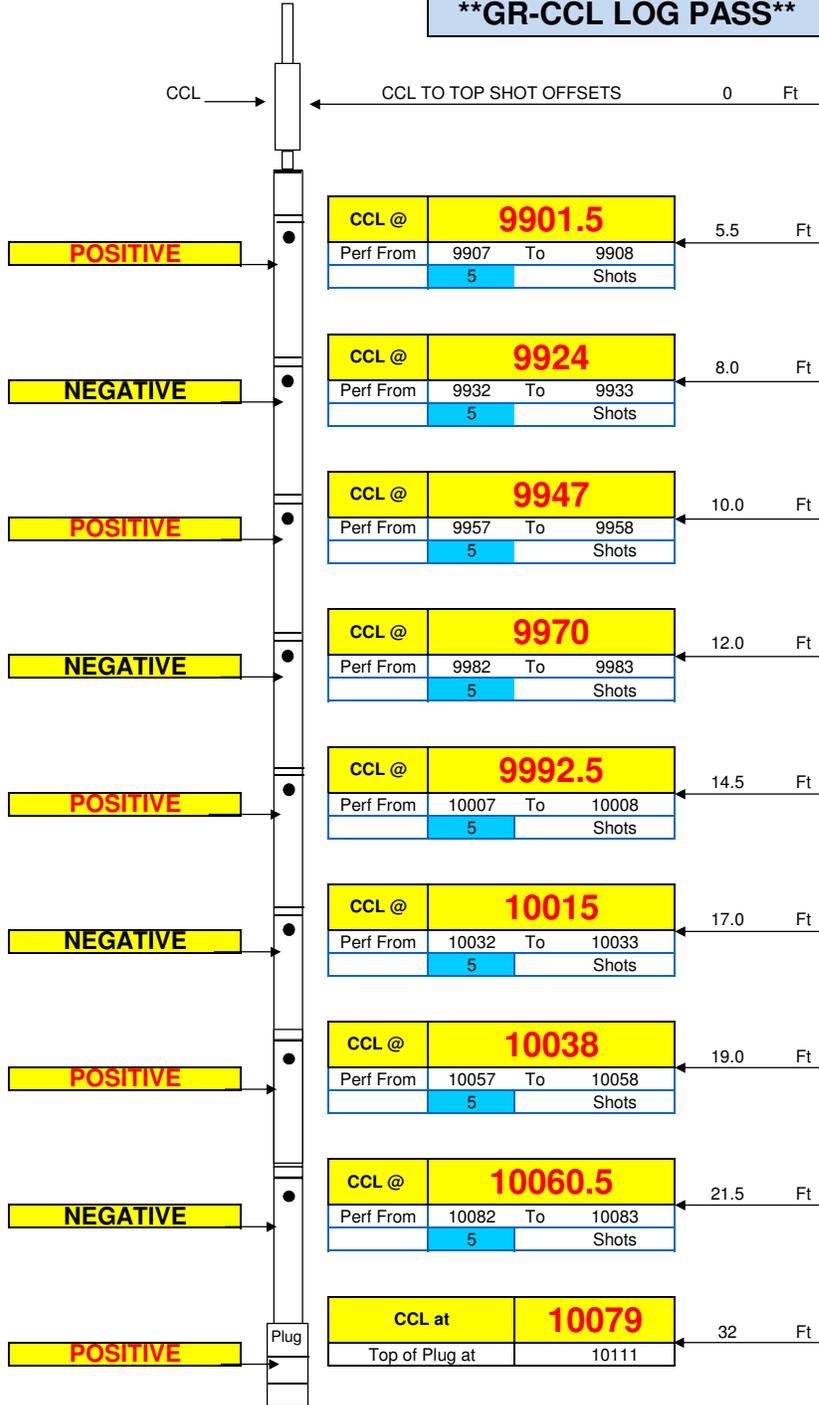


**Perforation Schematic**

Company	CHESAPEAKE ENERGY
Well Name	State 7-62-16 1H
Stage #	2
Run #	1
Supervisor	Sam Hopper
Date / Time	12/4/11 12:00 AM
Location	1
Weather	1
Wind Direc.	1

Cert. #	4459
Pattern	60
EHD	0.47
Penetration	36"
Total Lbs	
Max lbs/delay	
Method of Fire	Elec
Distance / Structure	N/A
Seismograph	No

**\*\*GR-CCL LOG PASS\*\***



40	Total Shots
8.8	Total Feet

Short Joint @ 7215 - 7238

Depth	Degrees
6110	10

6260	20
------	----

6390	30
------	----

6500	40
------	----

6610	50
------	----

6735	60
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6890	70
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7060	80
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7215	90
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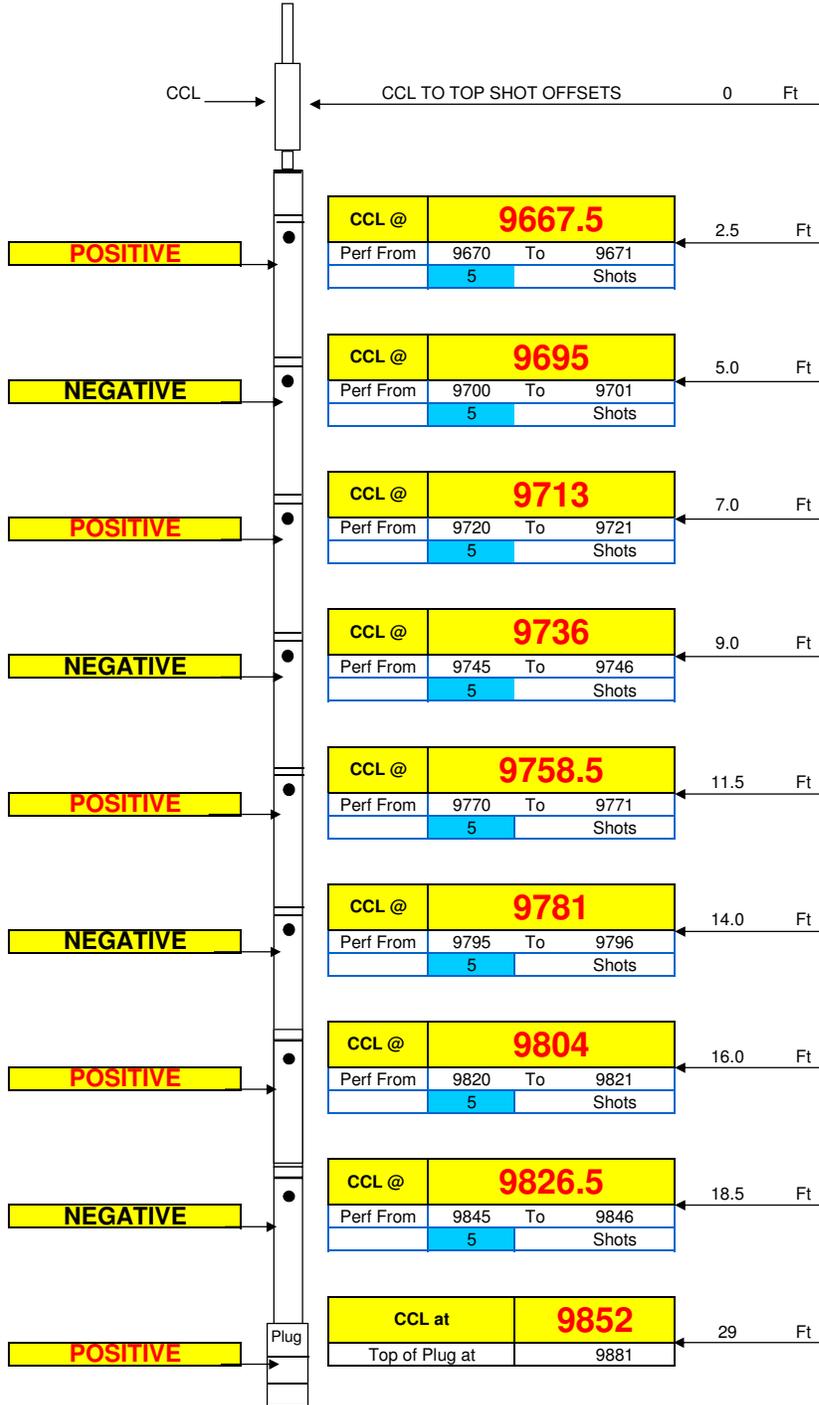
Top of bottom set of perforations at 10137



**Perforation Schematic**

Company	CHESAPEAKE ENERGY
Well Name	State 7-62-16 1H
Stage #	3
Run #	1
Supervisor	Tom Weese
Date / Time	12/4/11 12:00 AM
Location	1
Weather	1
Wind Direc.	1

Cert. #	4459
Pattern	60
EHD	0.47
Penetration	36"
Total Lbs	
Max lbs/delay	
Method of Fire	Elec
Distance / Structure	N/A
Seismograph	No



40	Total Shots
8.8	Total Feet

Short Joint @ 7215 - 7238

Depth	Degrees
6110	10

6260	20
------	----

6390	30
------	----

6500	40
------	----

6610	50
------	----

6735	60
------	----

6890	70
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7060	80
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7215	90
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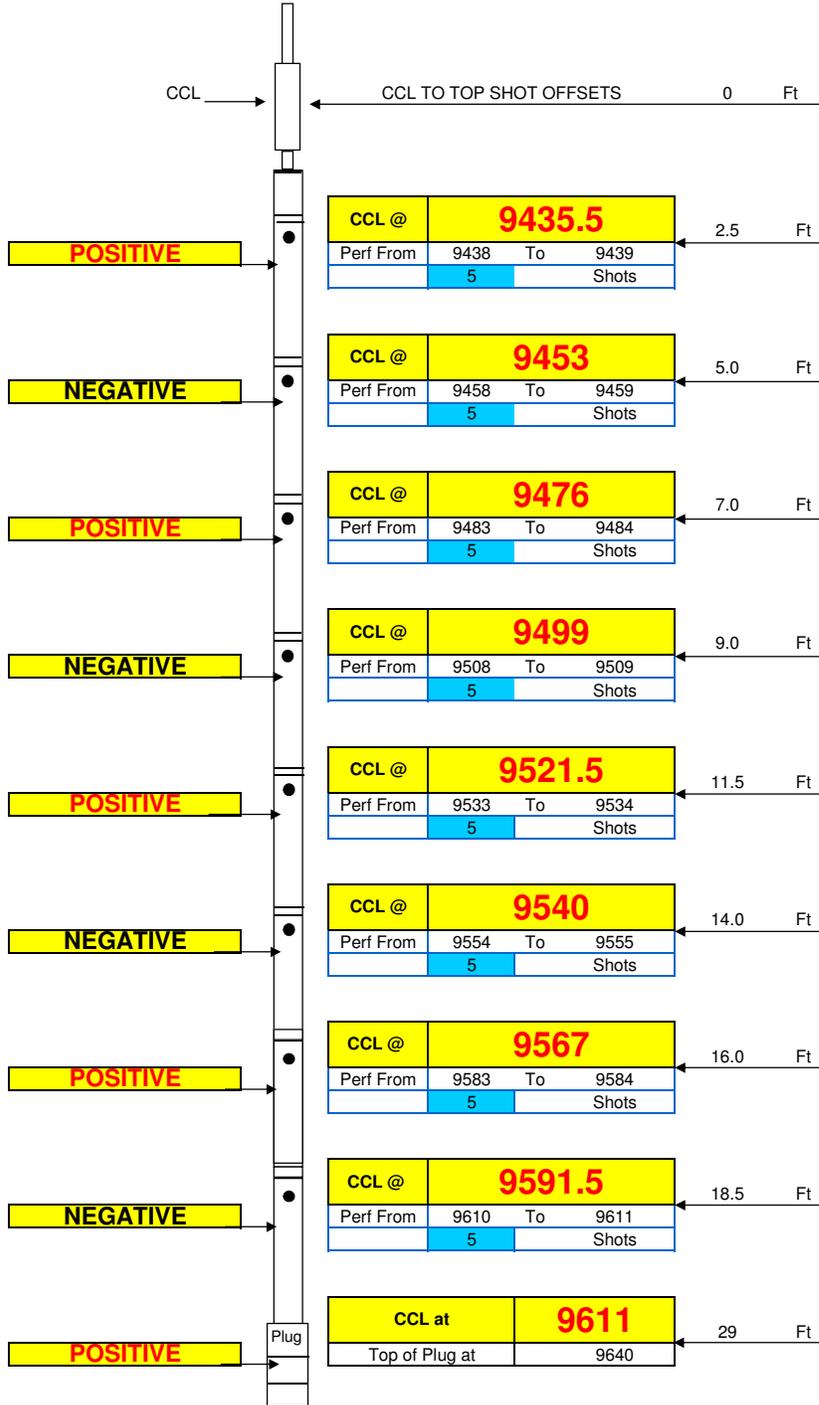
Top of bottom set of perforations at 9907



**Perforation Schematic**

Company	CHESAPEAKE ENERGY
Well Name	State 7-62-16 1H
Stage #	4
Run #	1
Supervisor	Tom Weese
Date / Time	12/5/11 12:00 AM
Location	1
Weather	1
Wind Direc.	1

Cert. #	4459
Pattern	60
EHD	0.47
Penetration	36"
Total Lbs	
Max lbs/delay	
Method of Fire	Elec
Distance / Structure	N/A
Seismograph	No



40	Total Shots
8.8	Total Feet

Short Joint @ 7215 - 7238

Depth	Degrees
6110	10

6260	20
------	----

6390	30
------	----

6500	40
------	----

6610	50
------	----

6735	60
------	----

6890	70
------	----

7060	80
------	----

7215	90
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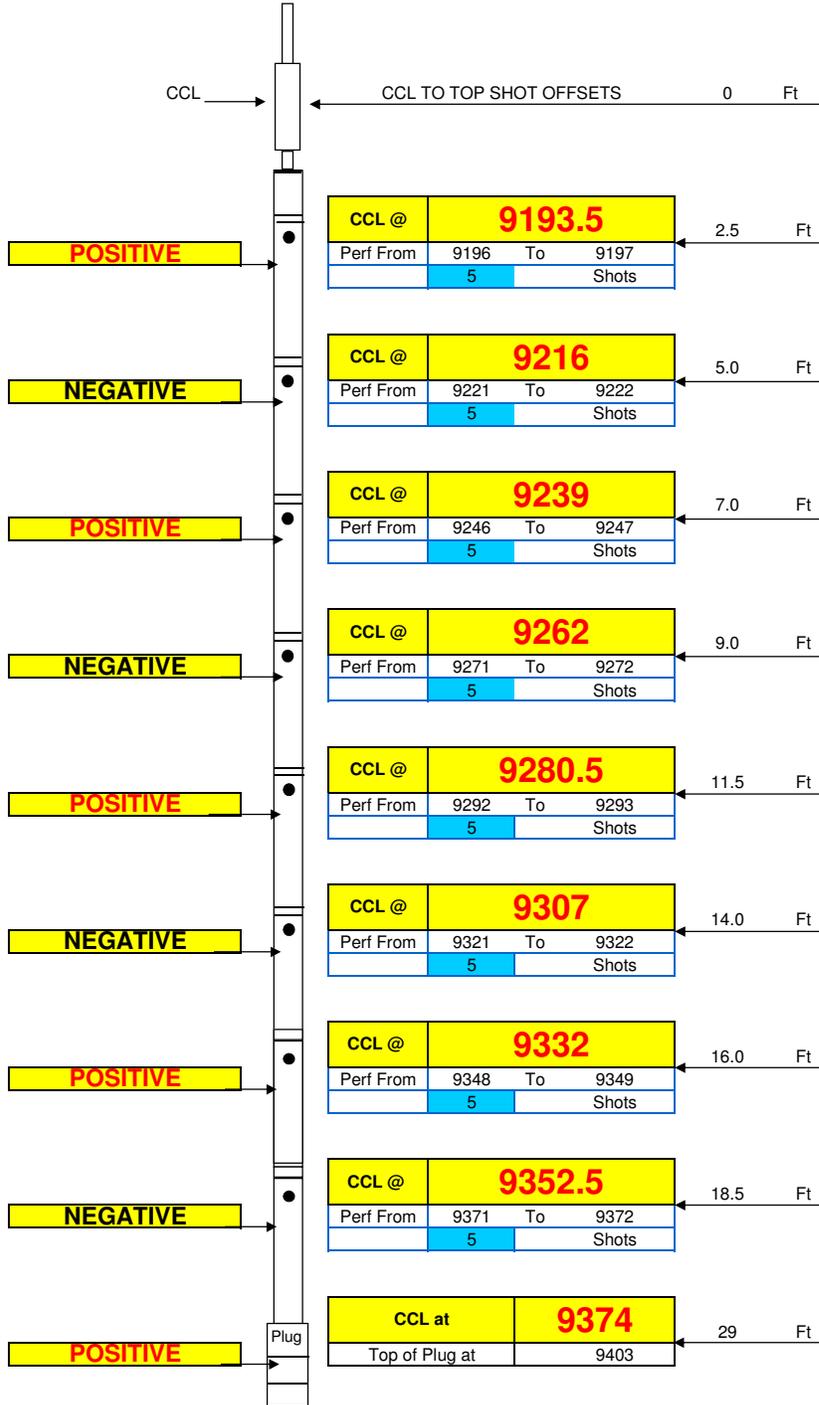
Top of bottom set of perforations at 9670



**Perforation Schematic**

Company	CHESAPEAKE ENERGY
Well Name	State 7-62-16 1H
Stage #	5
Run #	1
Supervisor	Sam Hopper
Date / Time	12/5/11 12:00 AM
Location	1
Weather	1
Wind Direc.	1

Cert. #	4459
Pattern	60
EHD	0.47
Penetration	36"
Total Lbs	
Max lbs/delay	
Method of Fire	Elec
Distance / Structure	N/A
Seismograph	No



40	Total Shots
8.8	Total Feet

Short Joint @ 7215 - 7238

Depth	Degrees
6110	10

6260	20
------	----

6390	30
------	----

6500	40
------	----

6610	50
------	----

6735	60
------	----

6890	70
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7060	80
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7215	90
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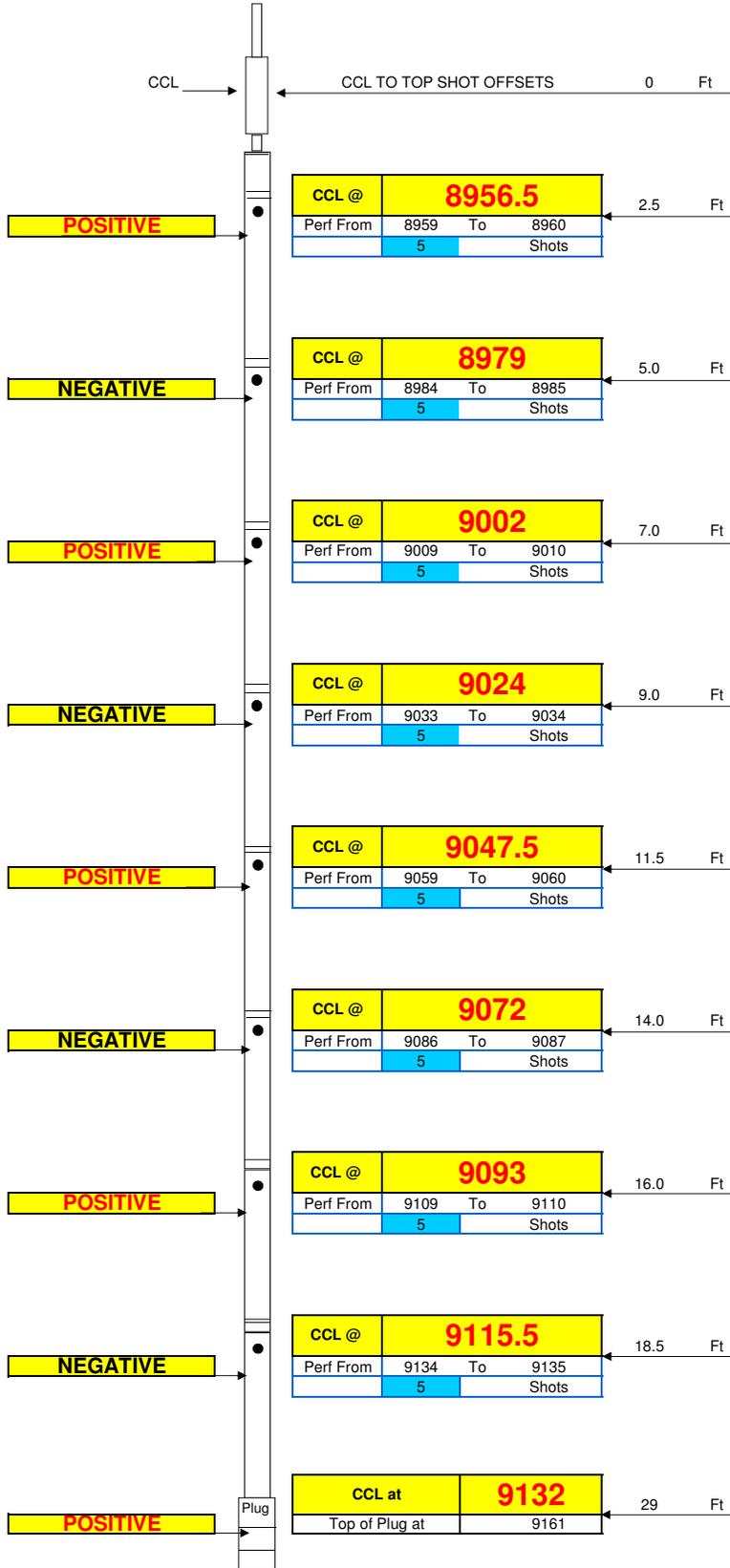
Top of bottom set of perforations at 9433



**Perforation Schematic**

Company	CHESAPEAKE ENERGY
Well Name	State 7-62-16 1H
Stage #	6
Run #	1
Supervisor	Sam Hopper
Date / Time	12/5/11 12:00 AM
Location	1
Weather	1
Wind Direc.	1

Cert. #	4459
Pattern	60
EHD	0.47
Penetration	36"
Total Lbs	
Max lbs/delay	
Method of Fire	Elec
Distance / Structure	N/A
Seismograph	No



40	Total Shots
8.8	Total Feet

Short Joint @ 7215 - 7238

Depth	Degrees
6110	10

6260	20
------	----

6390	30
------	----

6500	40
------	----

6610	50
------	----

6735	60
------	----

6890	70
------	----

7060	80
------	----

7215	90
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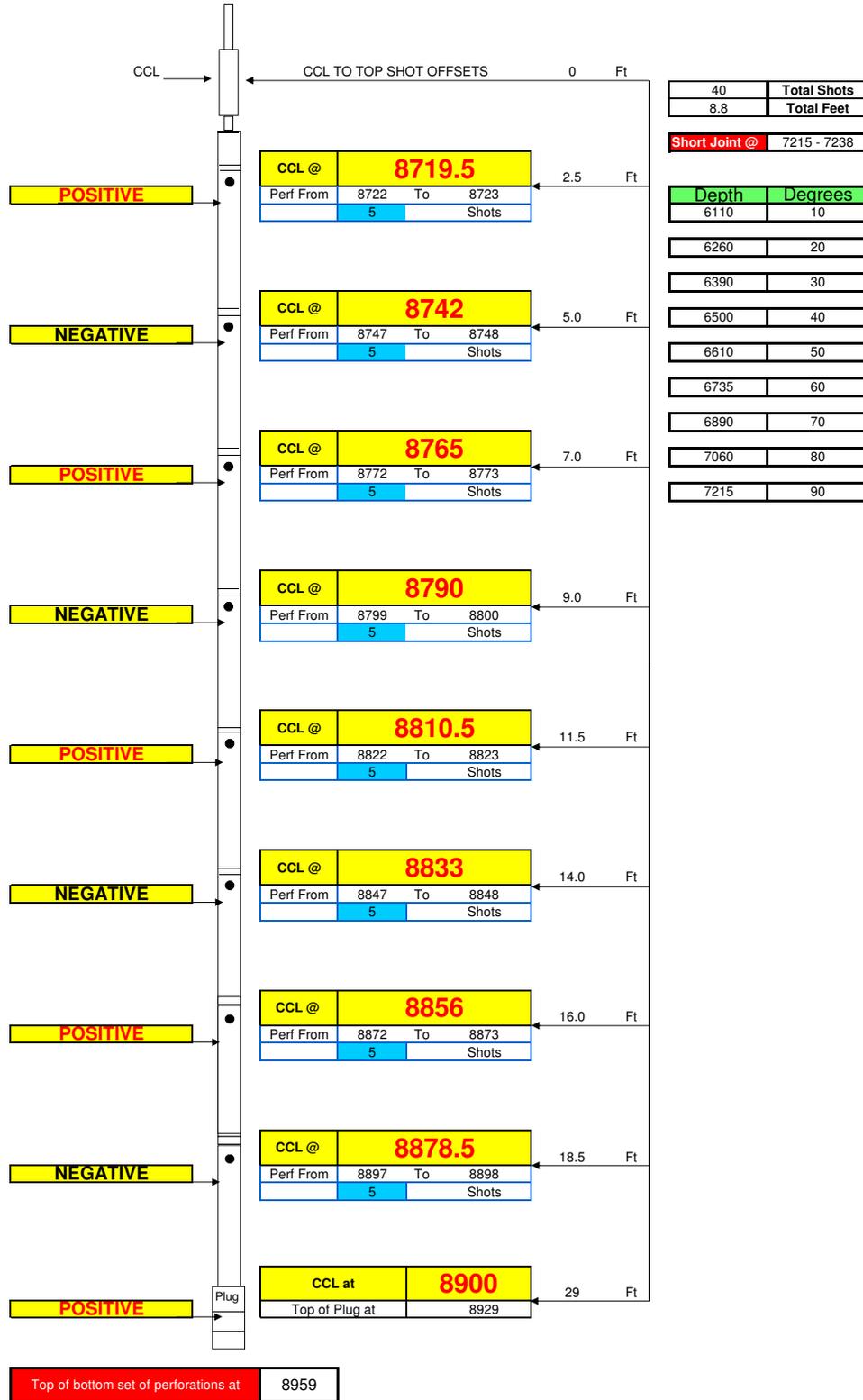
Top of bottom set of perforations at 9196



**Perforation Schematic**

Company	CHESAPEAKE ENERGY
Well Name	State 7-62-16 1H
Stage #	7
Run #	1
Supervisor	Sam Hopper
Date / Time	12/5/11 12:00 AM
Location	1
Weather	1
Wind Direc.	1

Cert. #	4459
Pattern	60
EHD	0.47
Penetration	36"
Total Lbs	
Max lbs/delay	
Method of Fire	Elec
Distance / Structure	N/A
Seismograph	No

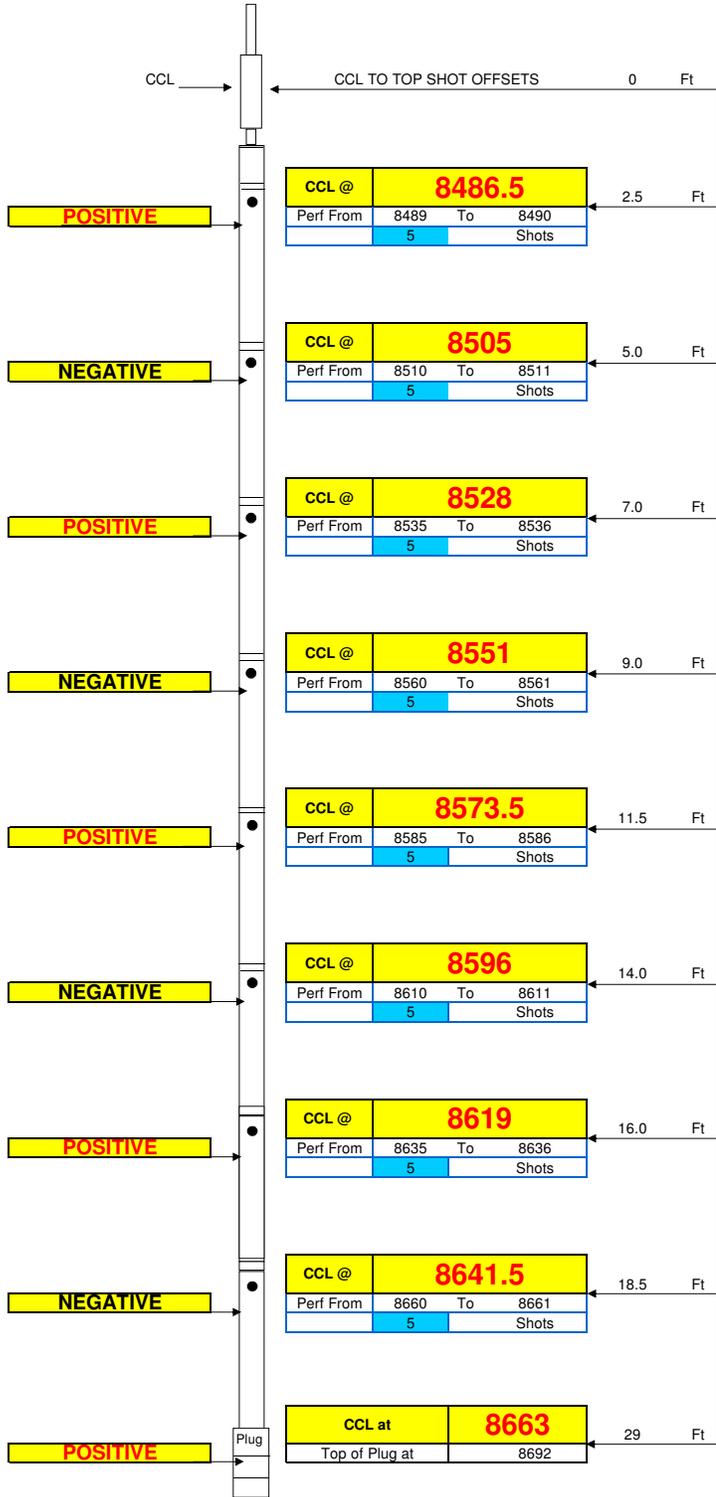




Perforation Schematic

Company	CHESAPEAKE ENERGY
Well Name	State 7-62-16 1H
Stage #	8
Run #	1
Supervisor	Tom Weiss
Date / Time	12/5/11 12:00 AM
Location	1
Weather	1
Wind Direc.	1

Cert. #	4459
Pattern	60
EHD	0.47
Penetration	36"
Total Lbs	
Max lbs/delay	
Method of Fire	Elec
Distance / Structure	N/A
Seismograph	No



40	Total Shots
8.8	Total Feet

Short Joint @ 7215 - 7238

Depth	Degrees
6110	10
6260	20
6390	30
6500	40
6610	50
6735	60
6890	70
7060	80
7215	90

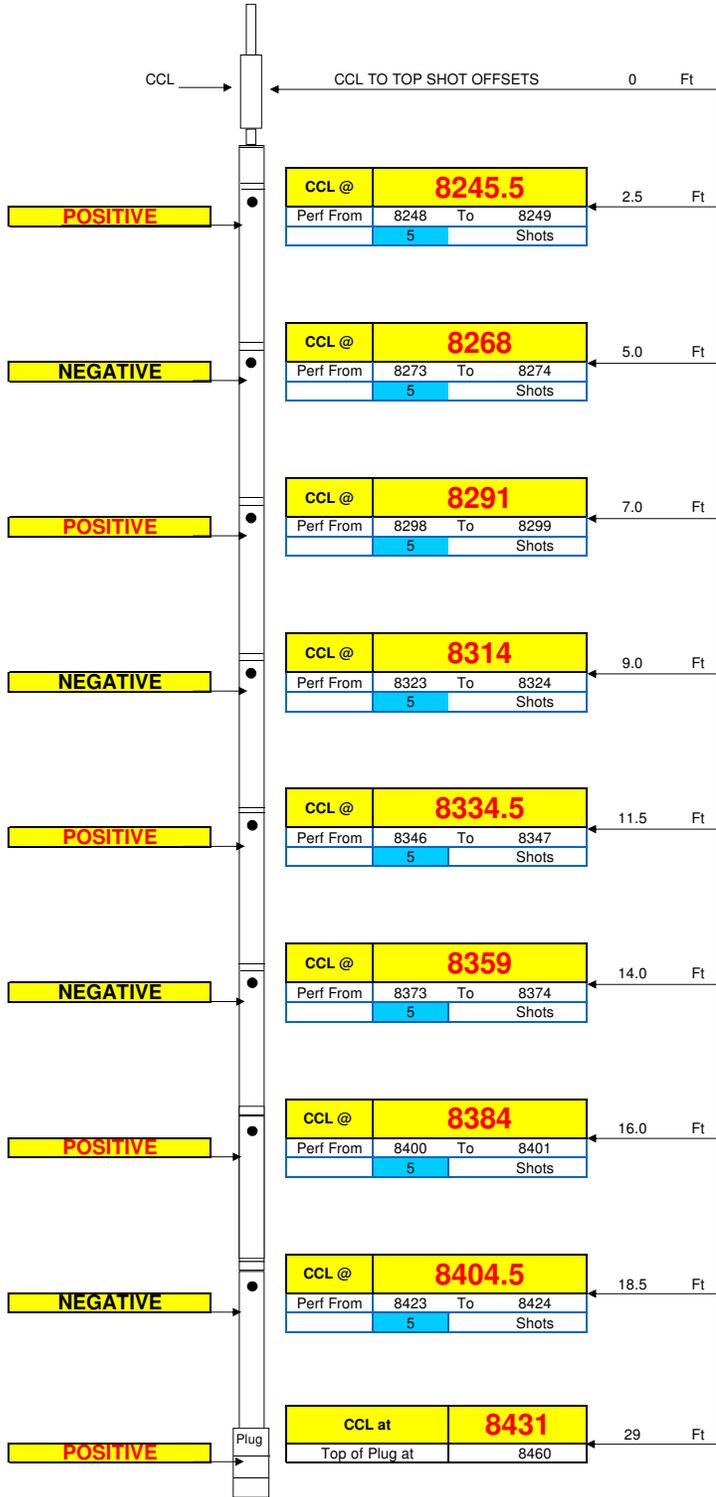
Top of bottom set of perforations at 8722



Perforation Schematic

Company	CHESAPEAKE ENERGY	
Well Name	State 7-62-16 1H	
Stage #	9	
Run #	1	
Supervisor	Tom Weiss	
Date / Time	12/6/11 12:00 AM	
Location	1	
Weather	1	
Wind Direc.	1	

Cert. #	4459
Pattern	60
EHD	0.47
Penetration	36"
Total Lbs	
Max lbs/delay	
Method of Fire	Elec
Distance / Structure	N/A
Seismograph	No



40	Total Shots
8.8	Total Feet

Short Joint @ 7215 - 7238

Depth	Degrees
6110	10
6260	20
6390	30
6500	40
6610	50
6735	60
6890	70
7060	80
7215	90

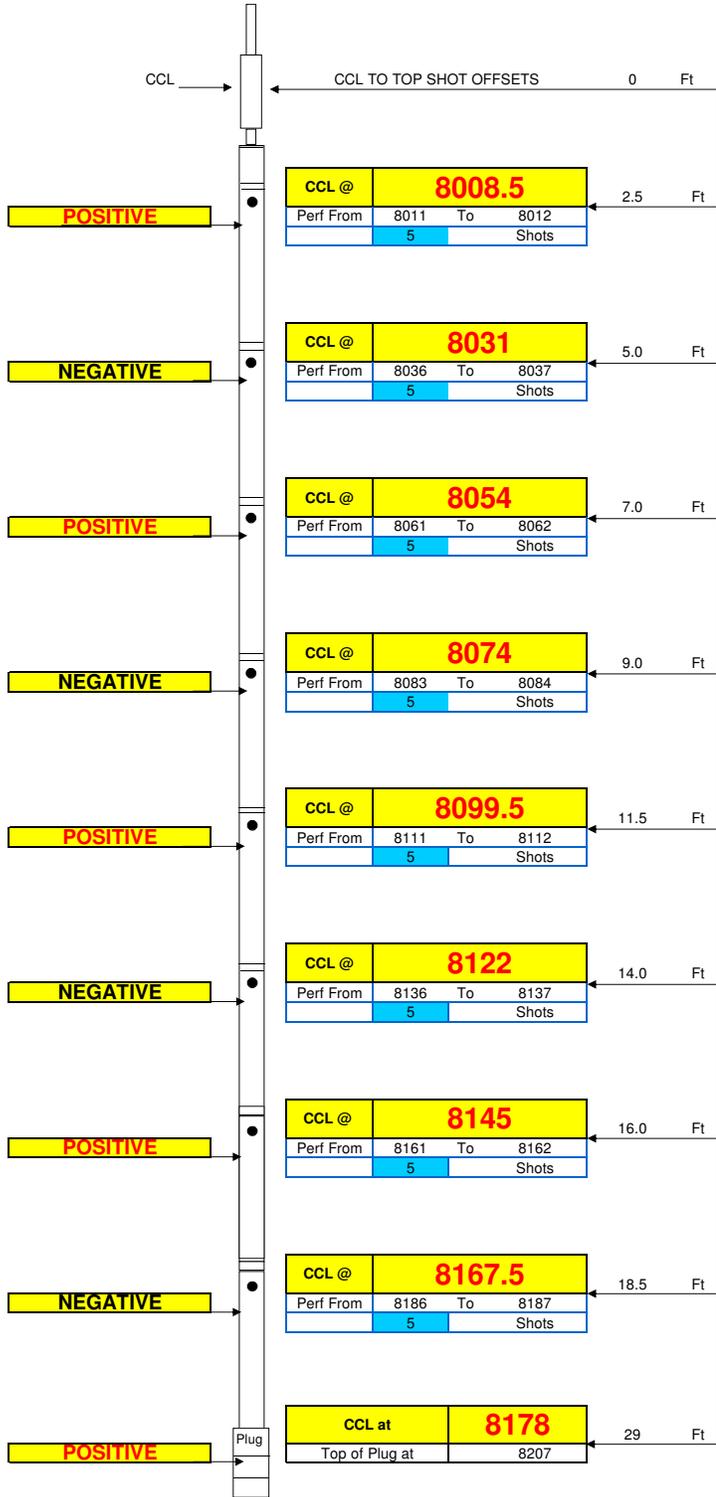
Top of bottom set of perforations at 8485



Perforation Schematic

Company	CHESAPEAKE ENERGY
Well Name	State 7-62-16 1H
Stage #	10
Run #	1
Supervisor	Tom Weiss
Date / Time	12/6/11 12:00 AM
Location	1
Weather	1
Wind Direc.	1

Cert. #	4459
Pattern	60
EHD	0.47
Penetration	36"
Total Lbs	
Max lbs/delay	
Method of Fire	Elec
Distance / Structure	N/A
Seismograph	No



40	Total Shots
8.8	Total Feet

Short Joint @ 7215 - 7238

Depth	Degrees
6110	10
6260	20
6390	30
6500	40
6610	50
6735	60
6890	70
7060	80
7215	90

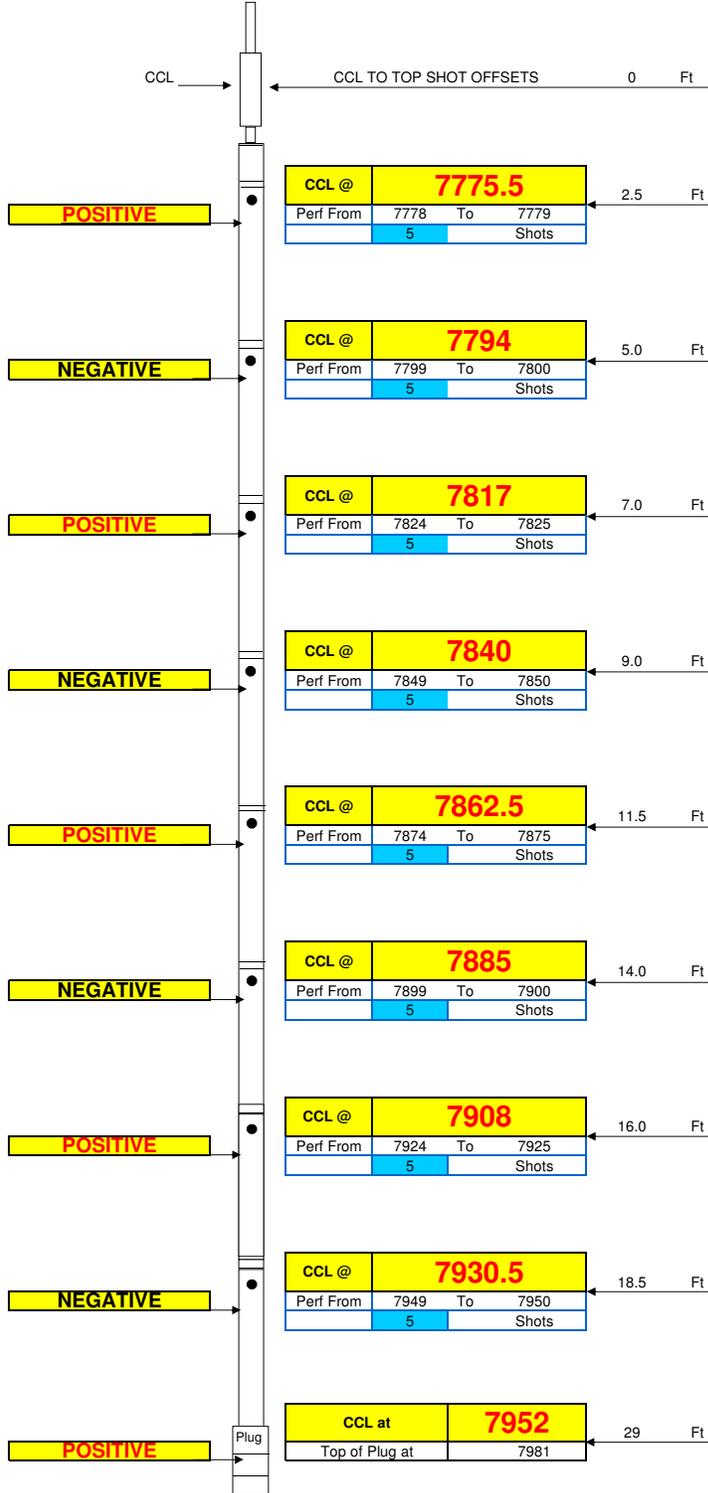
Top of bottom set of perforations at 8248



Perforation Schematic

Company	CHESAPEAKE ENERGY
Well Name	State 7-62-16 1H
Stage #	11
Run #	1
Supervisor	Sam Hobbs
Date / Time	12/6/11 12:00 AM
Location	1
Weather	1
Wind Direc.	1

Cert. #	4459
Pattern	60
EHD	0.47
Penetration	36"
Total Lbs	
Max lbs/delay	
Method of Fire	Elec
Distance / Structure	N/A
Seismograph	No



40	Total Shots
8.8	Total Feet

Short Joint @ 7215 - 7238

Depth	Degrees
6110	10

6260	20
------	----

6390	30
------	----

6500	40
------	----

6610	50
------	----

6735	60
------	----

6890	70
------	----

7060	80
------	----

7215	90
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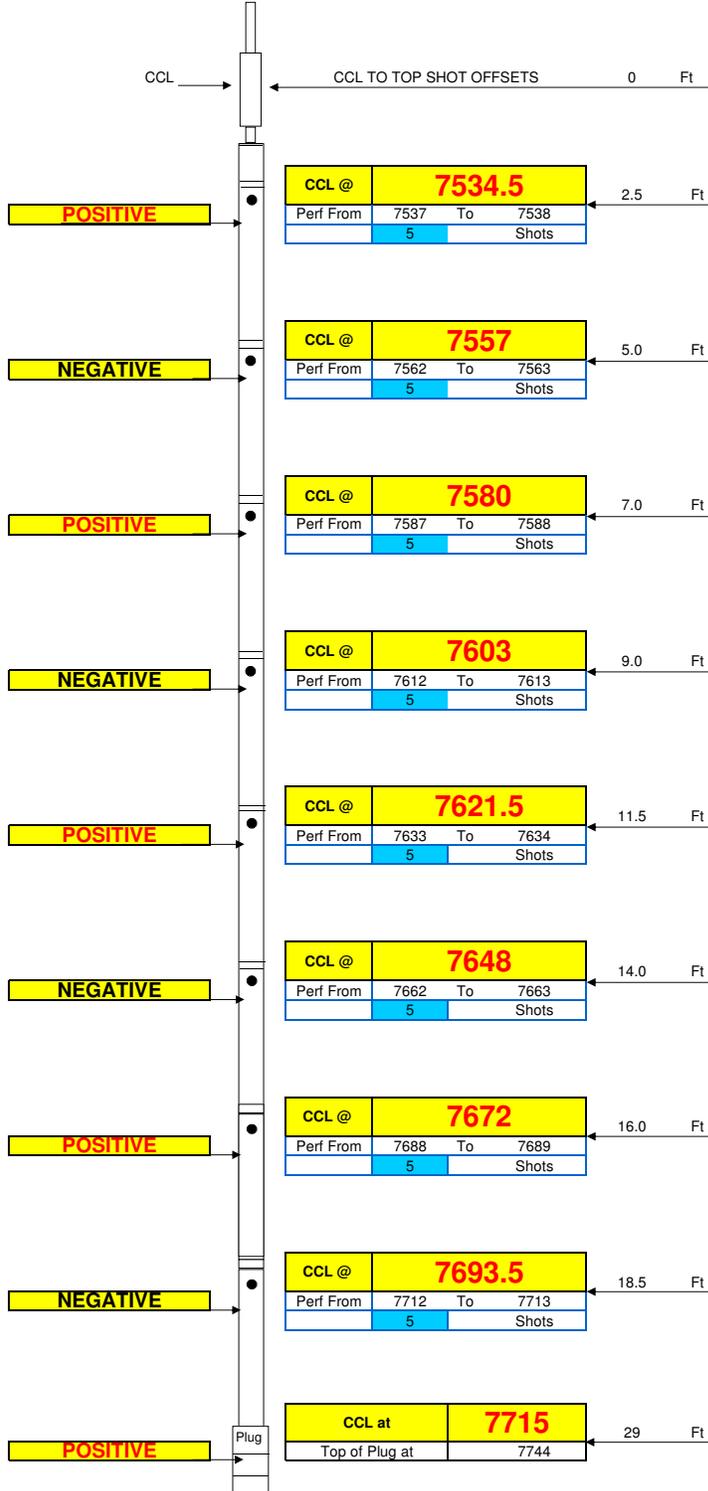
Top of bottom set of perforations at 8011



Perforation Schematic

Company	CHESAPEAKE ENERGY
Well Name	State 7-62-16 1H
Stage #	12
Run #	1
Supervisor	Sam Hobbs
Date / Time	12/6/11 12:00 AM
Location	1
Weather	1
Wind Direc.	1

Cert. #	4459
Pattern	60
EHD	0.47
Penetration	36"
Total Lbs	
Max lbs/delay	
Method of Fire	Elec
Distance / Structure	N/A
Seismograph	No



40	Total Shots
8.8	Total Feet

Short Joint @ 7215 - 7238

Depth	Degrees
6110	10
6260	20
6390	30
6500	40
6610	50
6735	60
6890	70
7060	80
7215	90

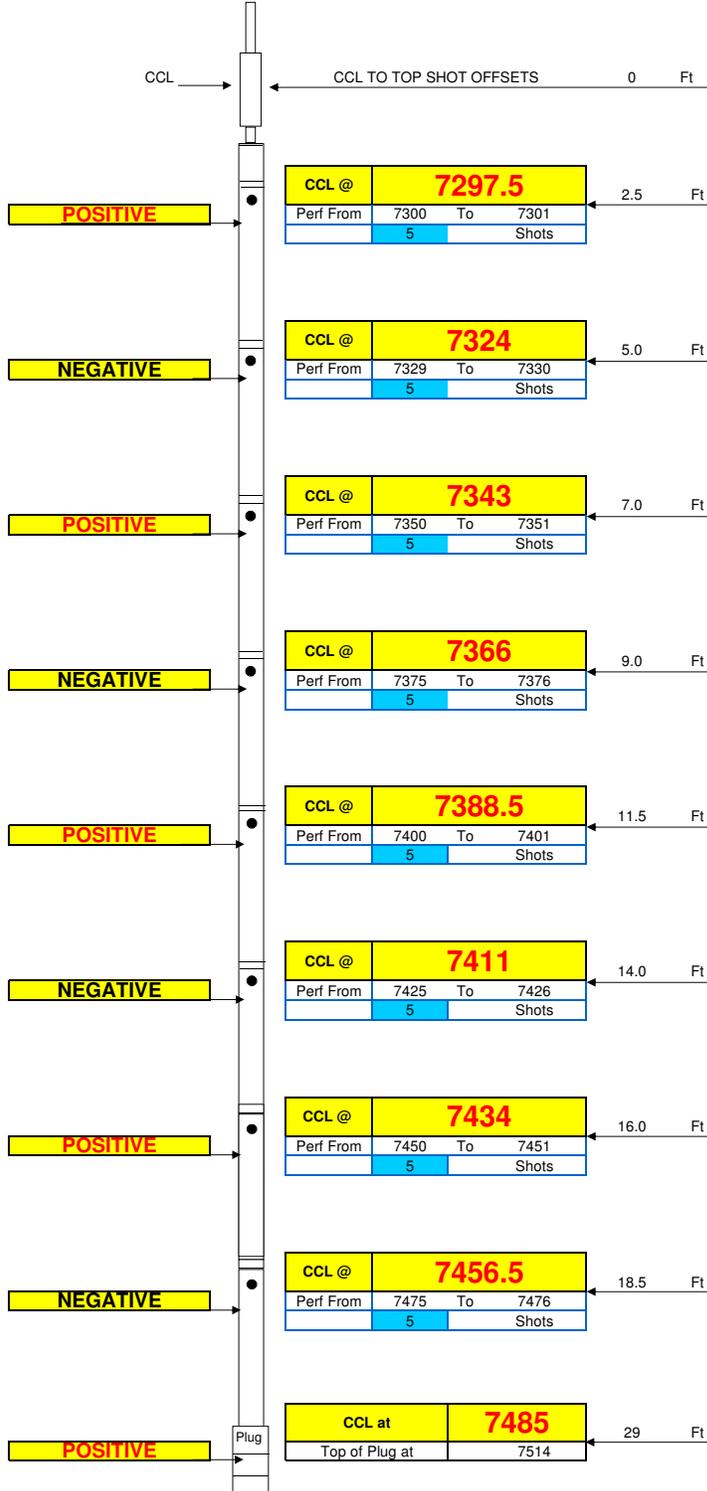
Top of bottom set of perforations at 7774



Perforation Schematic

Company	CHESAPEAKE ENERGY
Well Name	State 7-62-16 1H
Stage #	13
Run #	1
Supervisor	Sam Hobbs
Date / Time	12/6/11 12:00 AM
Location	1
Weather	1
Wind Direc.	1

Cert. #	4459
Pattern	60
EHD	0.47
Penetration	36"
Total Lbs	
Max lbs/delay	
Method of Fire	Elec
Distance / Structure	N/A
Seismograph	No



40	Total Shots
8.8	Total Feet

Short Joint @ 7215 - 7238

Depth	Degrees
6110	10

6260	20
------	----

6390	30
------	----

6500	40
------	----

6610	50
------	----

6735	60
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6890	70
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7060	80
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7215	90
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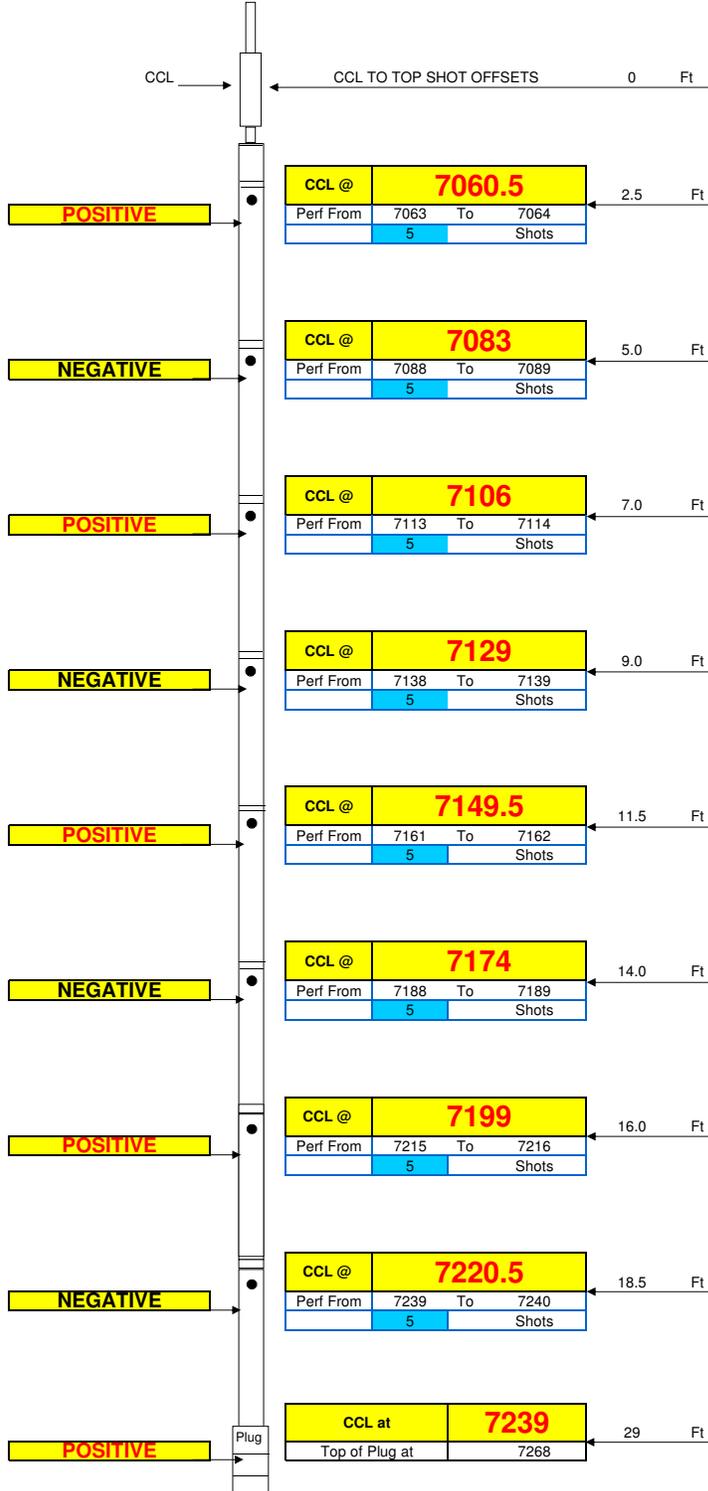
Top of bottom set of perforations at 7537



Perforation Schematic

Company	CHESAPEAKE ENERGY
Well Name	State 7-62-16 1H
Stage #	14
Run #	1
Supervisor	Sam Hobbs
Date / Time	12/6/11 12:00 AM
Location	1
Weather	1
Wind Direc.	1

Cert. #	4459
Pattern	60
EHD	0.47
Penetration	36"
Total Lbs	
Max lbs/delay	
Method of Fire	Elec
Distance / Structure	N/A
Seismograph	No



40	Total Shots
8.8	Total Feet

Short Joint @ 7215 - 7238

Depth	Degrees
6110	10

6260	20
------	----

6390	30
------	----

6500	40
------	----

6610	50
------	----

6735	60
------	----

6890	70
------	----

7060	80
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7215	90
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Top of bottom set of perforations at 7300