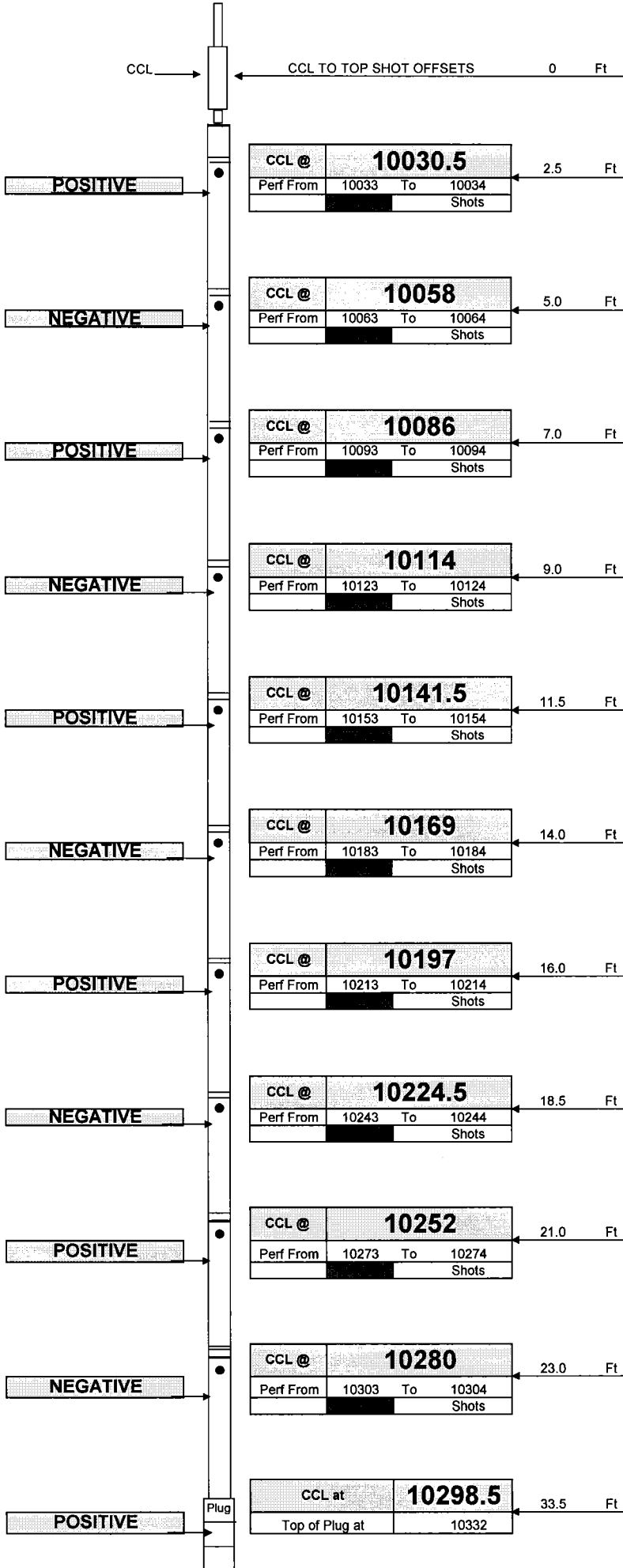




Perforation Schematic

Company	CHESAPEAKE ENERGY
Well Name	Hoiby 18-8-66 1H
Stage #	2
Run #	1
Supervisor	Sam Hopper
Date / Time	12/28/11 12:00 AM
Location	1
Weather	1
Wind Direc.	1

Cert. #	4459
Pattern	60
EHD	0.40"
Penetration	38.7"
Total Lbs	
Max lbs/delay	
Method of Fire	Elec
Distance / Structure	N/A
Seismograph	No



40	Total Shots
10	Total Feet

Short Joint @ 6341 - 6343

Depth	Degrees
6630	10
6740	20
6840	30
6960	40
7060	50
7156	60
7300	70
7470	80
7900	90

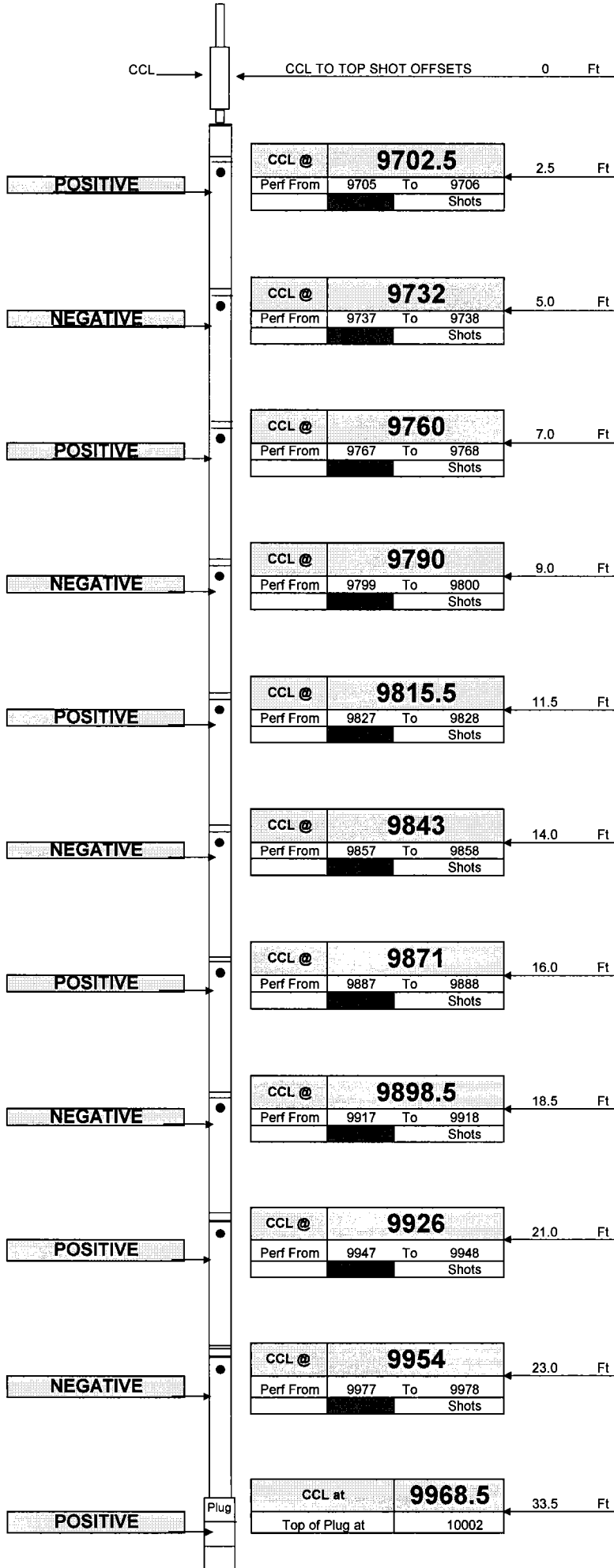
Top of bottom set of perforations at 10359



Perforation Schematic

Company	CHESAPEAKE ENERGY
Well Name	Heiby 18-8-66 1H
Stage #	3
Run #	1
Supervisor	Sam Hopper
Date / Time	12/29/11 12:00 AM
Location	1
Weather	1
Wind Direc.	1

Cert. #	4459
Pattern	60
EHD	0.40"
Penetration	38.7"
Total Lbs	
Max lbs/delay	
Method of Fire	Elec
Distance / Structure	N/A
Seismograph	No



40	Total Shots
10	Total Feet

Short Joint @ 6341 - 6343

Depth	Degrees
6630	10

6740	20
------	----

6840	30
------	----

6960	40
------	----

7060	50
------	----

7156	60
------	----

7300	70
------	----

7470	80
------	----

7900	90
------	----

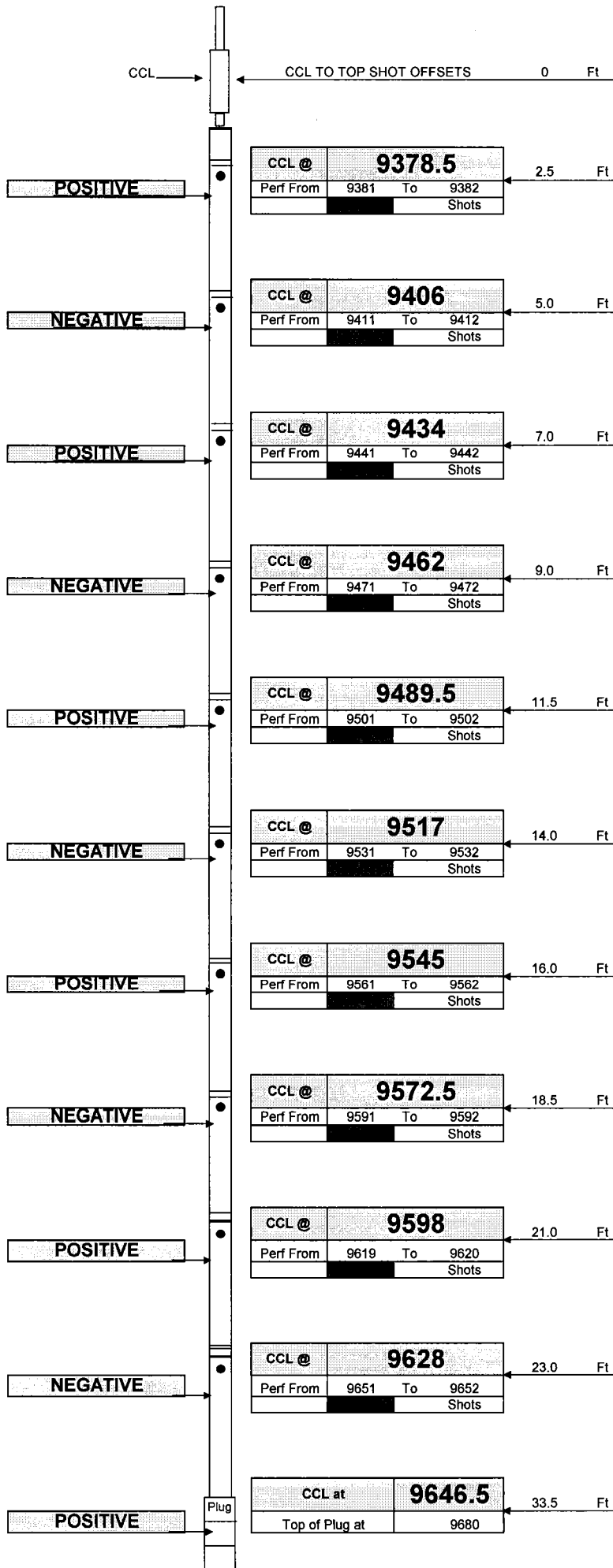
Top of bottom set of perforations at 10033



Perforation Schematic

Company	CHESAPEAKE ENERGY
Well Name	Heiby 18-8-66 1H
Stage #	4
Run #	1
Supervisor	Sam Hopper
Date / Time	12/30/11 12:00 AM
Location	1
Weather	1
Wind Direc.	1

Cert. #	4459
Pattern	60
EHD	0.40"
Penetration	38.7"
Total Lbs	
Max lbs/delay	
Method of Fire	Elec
Distance / Structure	N/A
Seismograph	No



40	Total Shots
10	Total Feet

Short Joint @ 6341 - 6343

Depth	Degrees
6630	10

6740	20
------	----

6840	30
------	----

6960	40
------	----

7060	50
------	----

7156	60
------	----

7300	70
------	----

7470	80
------	----

7900	90
------	----

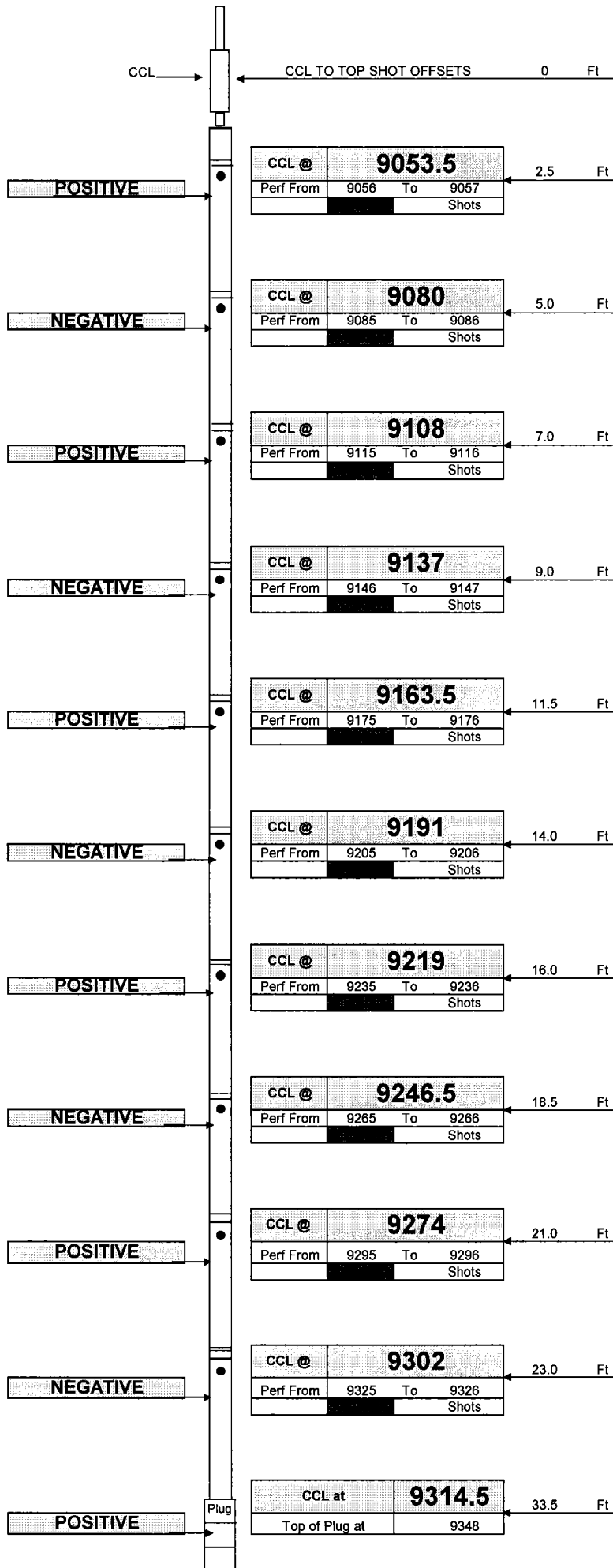
Top of bottom set of perforations at 9707



Perforation Schematic

Company	CHESAPEAKE ENERGY
Well Name	Heiby 18-8-66 1H
Stage #	5
Run #	1
Supervisor	Sam Hopper
Date / Time	12/30/11 12:00 AM
Location	1
Weather	1
Wind Direc.	1

Cert. #	4459
Pattern	60
EHD	0.40"
Penetration	38.7"
Total Lbs	
Max lbs/delay	
Method of Fire	Elec
Distance / Structure	N/A
Seismograph	No



40	Total Shots
10	Total Feet

Short Joint @ 6341 - 6343

Depth	Degrees
6630	10
6740	20
6840	30
6960	40
7060	50
7156	60
7300	70
7470	80
7900	90

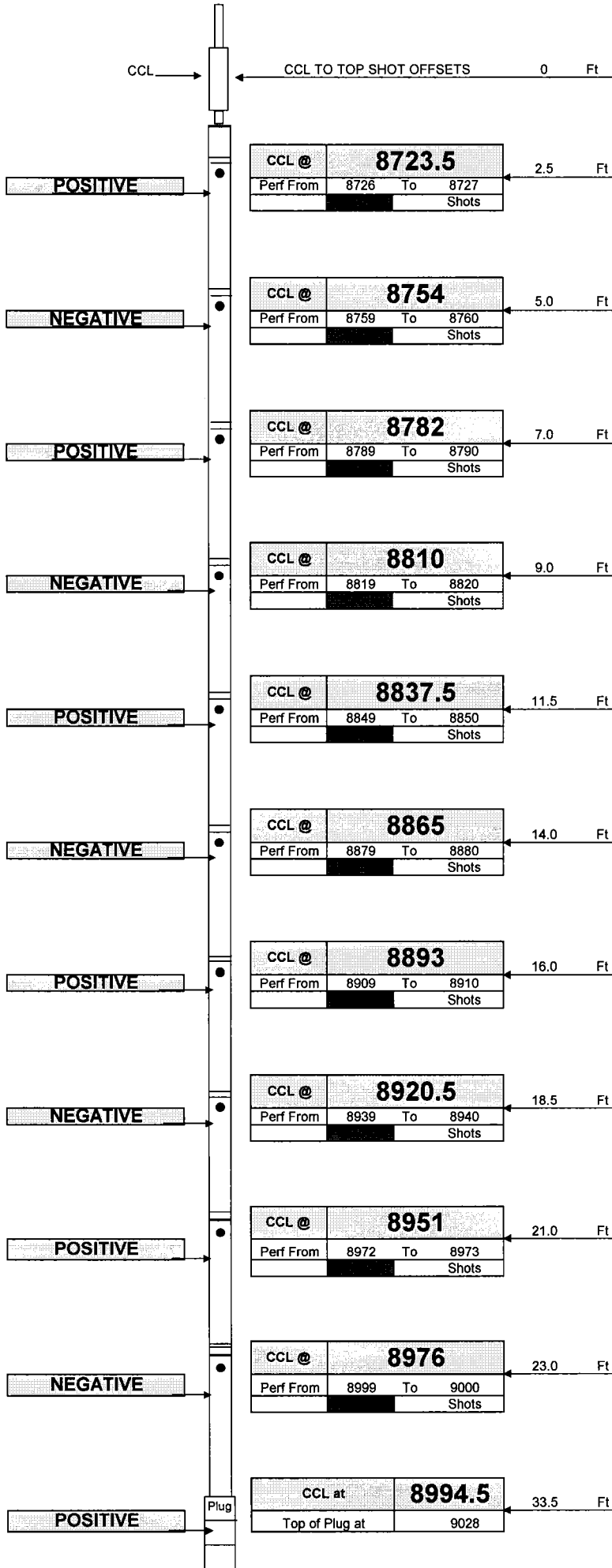
Top of bottom set of perforations at 9381



Perforation Schematic

Company	CHESAPEAKE ENERGY
Well Name	Heiby 18-8-66 1H
Stage #	6
Run #	1
Supervisor	Sam Hopper
Date / Time	12/30/11 12:00 AM
Location	1
Weather	1
Wind Direc.	1

Cert. #	4459
Pattern	60
EHD	0.40"
Penetration	38.7"
Total Lbs	
Max lbs/delay	
Method of Fire	Elec
Distance / Structure	N/A
Seismograph	No



40	Total Shots
10	Total Feet

Short Joint @ 6341 - 6343

Depth	Degrees
6630	10
6740	20
6840	30
6960	40
7060	50
7156	60
7300	70
7470	80
7900	90

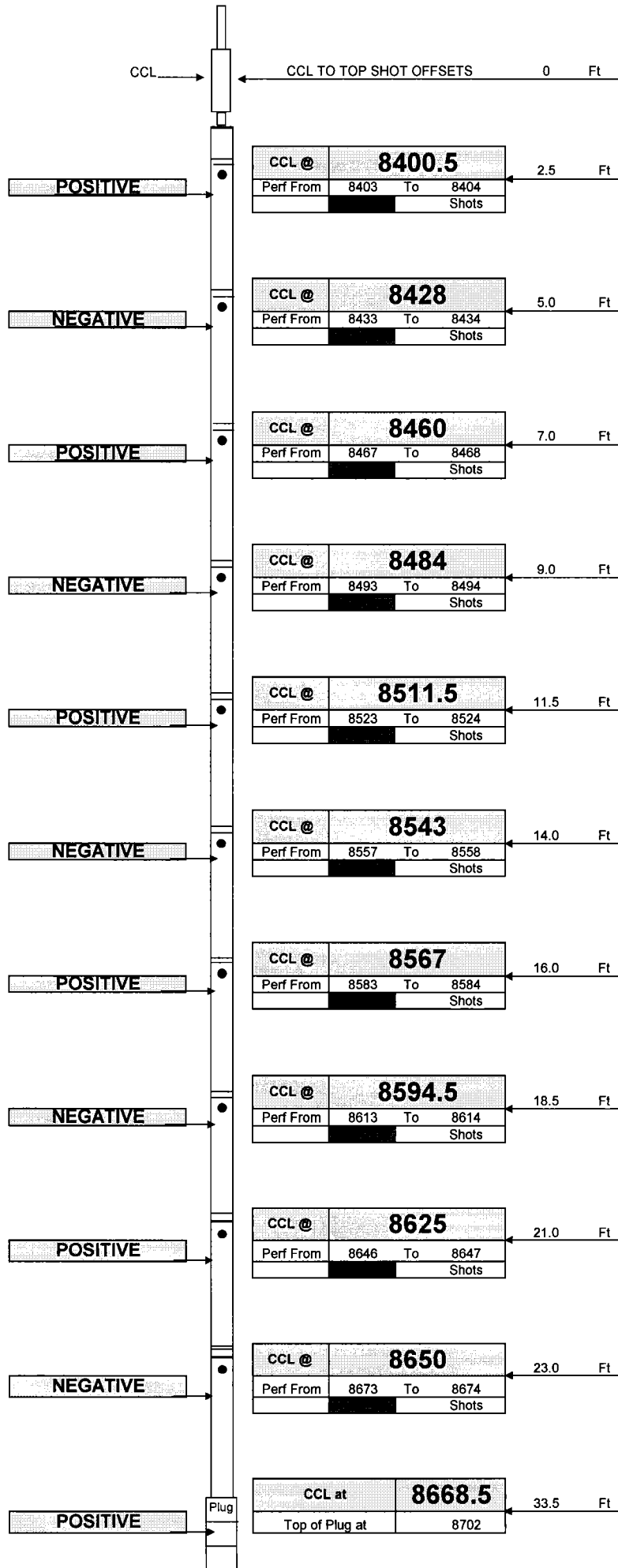
Top of bottom set of perforations at 9055



Perforation Schematic

Company	CHESAPEAKE ENERGY
Well Name	Helby 18-8-66 1H
Stage #	7
Run #	1
Supervisor	Sam Hopper
Date / Time	12/30/11 12:00 AM
Location	1
Weather	1
Wind Direc.	1

Cert. #	4459
Pattern	60
EHD	0.40"
Penetration	38.7"
Total Lbs	
Max lbs/delay	
Method of Fire	Elec
Distance / Structure	N/A
Seismograph	No



40	Total Shots
10	Total Feet

Short Joint @ 6341 - 6343

Depth	Degrees
6630	10

6740	20
------	----

6840	30
------	----

6960	40
------	----

7060	50
------	----

7156	60
------	----

7300	70
------	----

7470	80
------	----

7900	90
------	----

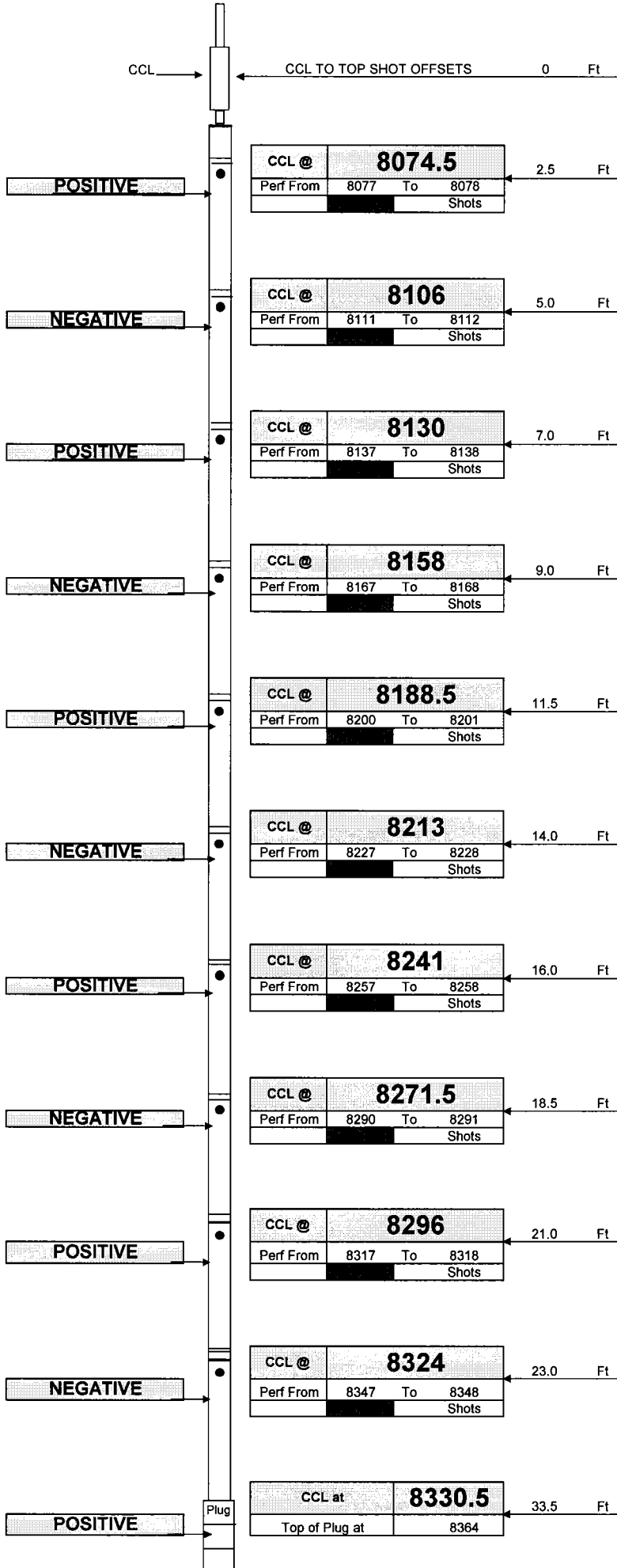
Top of bottom set of perforations at 8729



Perforation Schematic

Company	CHESAPEAKE ENERGY
Well Name	Heiby 18-8-66 1H
Stage #	8
Run #	1
Supervisor	Sam Hepper
Date / Time	12/30/11 12:00 AM
Location	1
Weather	1
Wind Direc.	1

Cert. #	4459
Pattern	60
EHD	0.40"
Penetration	38.7"
Total Lbs	
Max lbs/delay	
Method of Fire	Elec
Distance / Structure	N/A
Seismograph	No



40	Total Shots
10	Total Feet

Short Joint @ 6341 - 6343

Depth	Degrees
6630	10

6740	20
------	----

6840	30
------	----

6960	40
------	----

7060	50
------	----

7156	60
------	----

7300	70
------	----

7470	80
------	----

7900	90
------	----

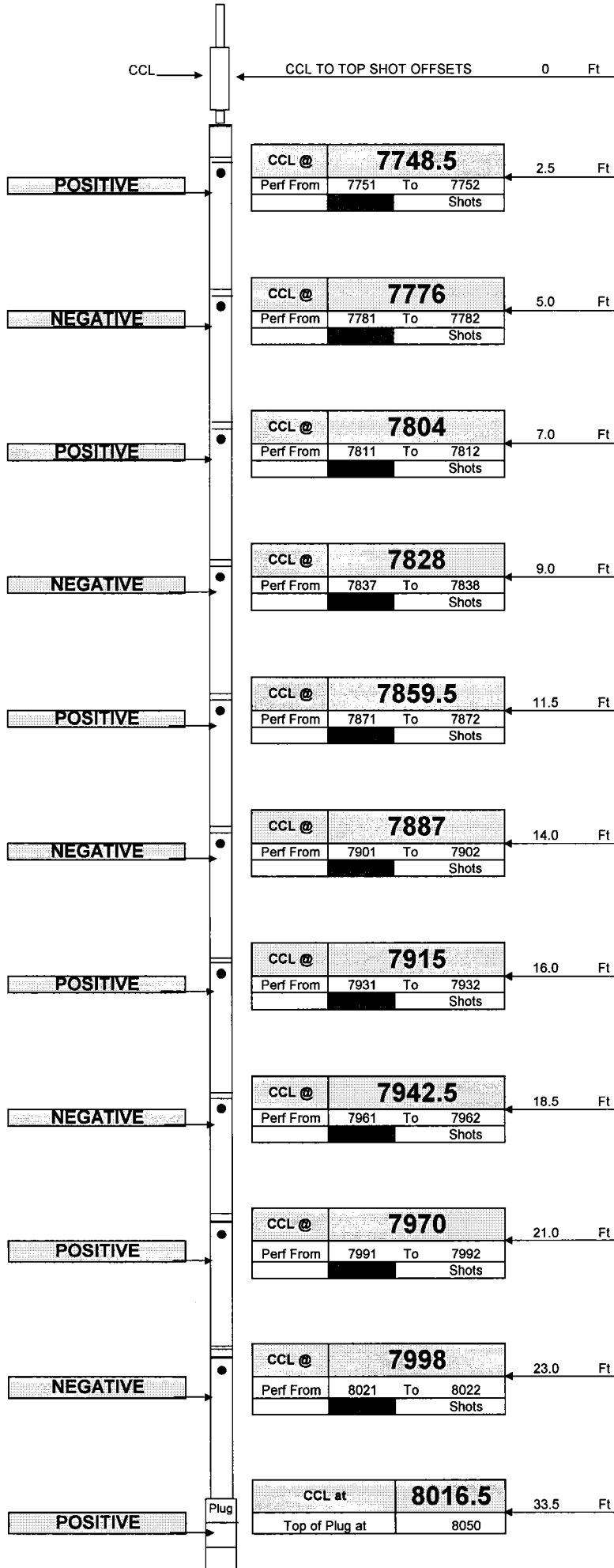
Top of bottom set of perforations at 8403



Perforation Schematic

Company	CHESAPEAKE ENERGY
Well Name	Heiby 18-8-66 1H
Stage #	9
Run #	1
Supervisor	Sam Hopper
Date / Time	1/1/12 12:00 AM
Location	1
Weather	1
Wind Direc.	1

Cert. #	4459
Pattern	60
EHD	0.40"
Penetration	38.7"
Total Lbs	
Max lbs/delay	
Method of Fire	Elec
Distance / Structure	N/A
Seismograph	No



40	Total Shots
10	Total Feet

Short Joint @ 6341 - 6343

Depth	Degrees
6630	10

6740	20
------	----

6840	30
------	----

6960	40
------	----

7060	50
------	----

7156	60
------	----

7300	70
------	----

7470	80
------	----

7900	90
------	----

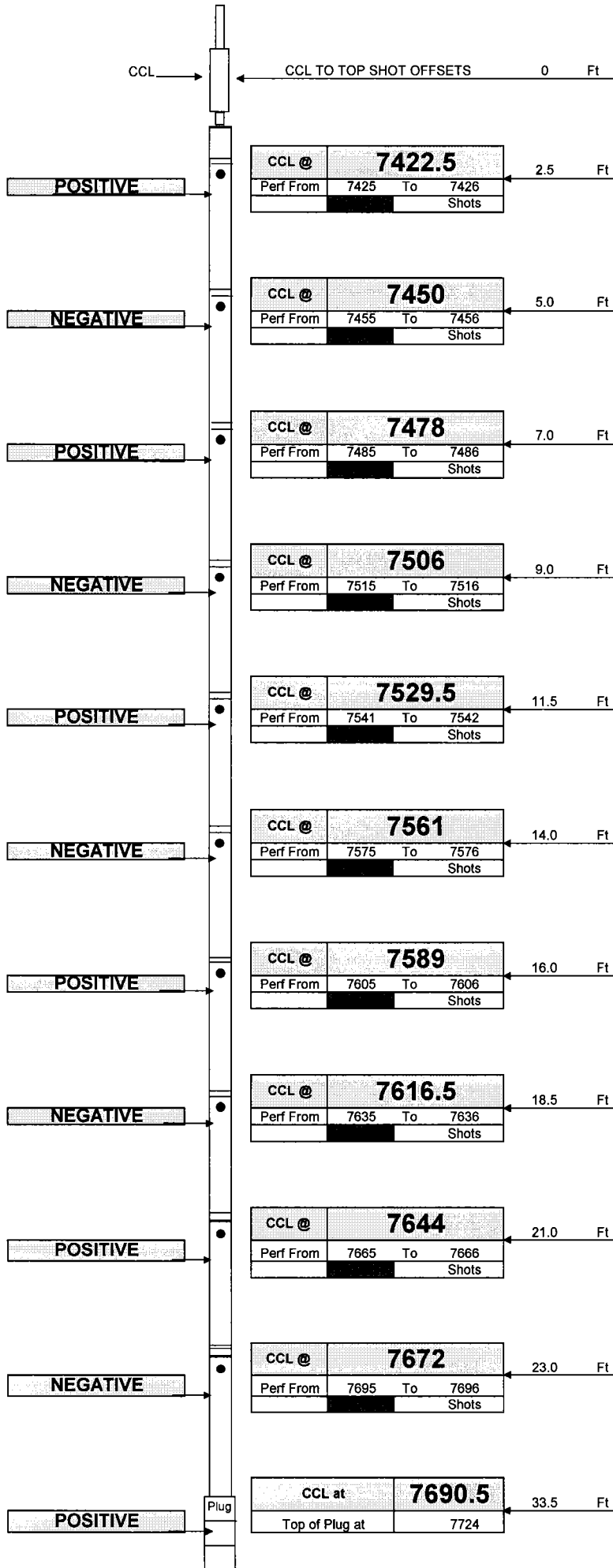
Top of bottom set of perforations at 8077



Perforation Schematic

Company	CHESAPEAKE ENERGY
Well Name	Heiby 18-8-66 1H
Stage #	10
Run #	1
Supervisor	Sam Hopper
Date / Time	1/1/12 12:00 AM
Location	1
Weather	1
Wind Direc.	1

Cert. #	4459
Pattern	60
EHD	0.40"
Penetration	38.7"
Total Lbs	
Max lbs/delay	
Method of Fire	Elec
Distance / Structure	N/A
Seismograph	No



40	Total Shots
10	Total Feet

Short Joint @ 6341 - 6343

Depth	Degrees
6630	10
6740	20
6840	30
6960	40
7060	50
7156	60
7300	70
7470	80
7900	90

Top of bottom set of perforations at 7751