

HALLIBURTON

PLUG-PERF SHEET

CUSTOMER: **Chesapeake**
 Lease: **State 16-3-61 1H**
 COUNTY: **Weld**
 STATE: **Colorado**

STAGE # 2

DATE: **4-Apr-12**
 START FRAC: _____
 END FRAC: _____
 RIH: _____
 POOH: _____
 30 DEG **6,125**
 60 DEG **6,384**
 90 DEG **6,938**

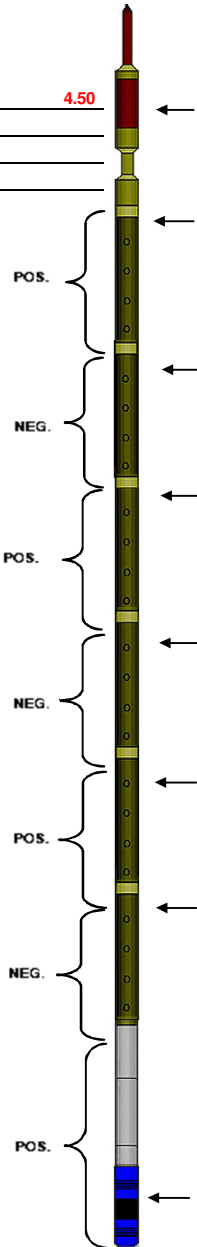
CASING ID SIZE: **4.50**
 MAX PSI: _____
 Bbls per Stage: _____
 Total Bbls / min: _____

SHUT IN PRESSURE: _____
 EQUALIZING PRESSURE: _____
 VERIFY TOOL TRAP DOWN BY: _____ DEPTH: _____
 SLOW BURN POWER CHARGE CHECK BY: _____
 GUNS METERED BY: _____ POS. _____
 PLUG SET @ DEPTH: _____ TIME: _____
 LAST GUN FIRED @ DEPTH: _____ TIME: _____
 BALL DROPPED BY: _____ TIME: _____

NOTES

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TOOL STRING - 42 FT



CCL @	9,967.0
STANDOFF =	2.0
TOP SHOT @	9,969
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	9,999.0
STANDOFF =	5.0
TOP SHOT @	10,004
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	10,031.0
STANDOFF =	8.0
TOP SHOT @	10,039
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	10,063.5
STANDOFF =	10.5
TOP SHOT @	10,074
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	10,096.0
STANDOFF =	13.0
TOP SHOT @	10,109
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	10,128.0
STANDOFF =	16.0
TOP SHOT @	10,144
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	10,152.0
STANDOFF =	26.0
TOP OF PLUG @	10,178
PLUG TYPE:	Halliburton
PSI. RATING:	10K
LENGTH :	2'



Engineer signature: _____

STAGE 2

Plug	(+) 10,152.0
Gun 1	(-) 10,128.0
Gun 2	(+) 10,096.0
Gun 3	(-) 10,063.5
Gun 4	(+) 10,031.0
Gun 5	(-) 9,999.0
Gun 6	(+) 9,967.0

HALLIBURTON

PLUG-PERF SHEET

CUSTOMER: **Chesapeake**
 Lease: **State 16-3-61 1H**
 COUNTY: **Weld**
 STATE: **Colorado**

STAGE # 3

DATE: **4-Apr-12**
 START FRAC: _____
 END FRAC: _____
 RIH: _____
 POOH: _____
 30 DEG **6.125**
 60 DEG **6.384**
 90 DEG **6.938**

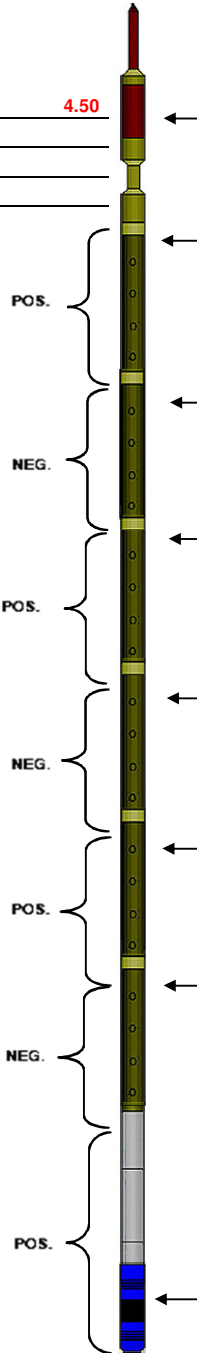
CASING ID SIZE: **4.50**
 MAX PSI: _____
 Bbls per Stage: _____
 Total Bbls / min: _____

SHUT IN PRESSURE: _____
 EQUALIZING PRESSURE: _____
 VERIFY TOOL TRAP DOWN BY: _____ DEPTH: _____
 SLOW BURN POWER CHARGE CHECK BY: _____
 GUNS METERED BY: _____
 PLUG SET @ DEPTH: _____ TIME: _____
 LAST GUN FIRED @ DEPTH: _____ TIME: _____
 BALL DROPPED BY: _____ TIME: _____

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TOOL STRING - 42 FT



CCL @	9,727.0
STANDOFF =	2.0
TOP SHOT @	9,729
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	9,759.0
STANDOFF =	5.0
TOP SHOT @	9,764
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	9,791.0
STANDOFF =	8.0
TOP SHOT @	9,799
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	9,823.5
STANDOFF =	10.5
TOP SHOT @	9,834
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	9,856.0
STANDOFF =	13.0
TOP SHOT @	9,869
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	9,888.0
STANDOFF =	16.0
TOP SHOT @	9,904
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	9,904.0
STANDOFF =	26.0
TOP OF PLUG @	9,930
PLUG TYPE:	Halliburton
PSI. RATING:	10K
LENGTH :	2'



Engineer signature: _____

STAGE 3

Plug	(+) 9,904.0
Gun 1	(-) 9,888.0
Gun 2	(+) 9,856.0
Gun 3	(-) 9,823.5
Gun 4	(+) 9,791.0
Gun 5	(-) 9,759.0
Gun 6	(+) 9,727.0

HALLIBURTON

PLUG-PERF SHEET

CUSTOMER: **Chesapeake**
 Lease: **State 16-3-61 1H**
 COUNTY: **Weld**
 STATE: **Colorado**

STAGE # 4

DATE: **4-Apr-12**
 START FRAC: _____
 END FRAC: _____
 RIH: _____
 POOH: _____
 30 DEG **6.125**
 60 DEG **6.384**
 90 DEG **6.938**

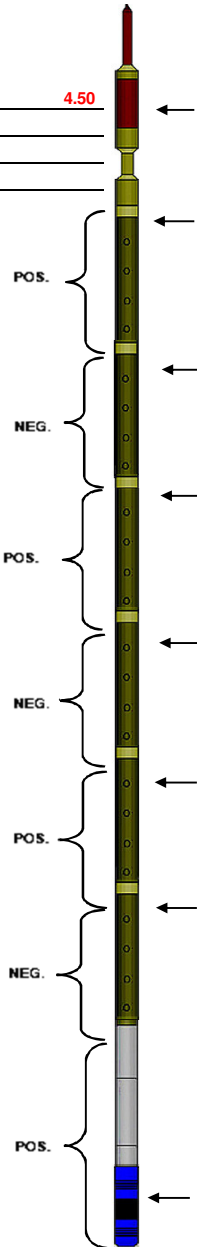
CASING ID SIZE: **4.50**
 MAX PSI: _____
 Bbls per Stage: _____
 Total Bbls / min: _____

SHUT IN PRESSURE: _____
 EQUALIZING PRESSURE: _____
 VERIFY TOOL TRAP DOWN BY: _____ DEPTH: _____
 SLOW BURN POWER CHARGE CHECK BY: _____
 GUNS METERED BY: _____ POS. _____
 PLUG SET @ DEPTH: _____ TIME: _____
 LAST GUN FIRED @ DEPTH: _____ TIME: _____
 BALL DROPPED BY: _____ TIME: _____

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TOOL STRING - 42 FT



CCL @	9,487.0
STANDOFF =	2.0
TOP SHOT @	9,489
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	9,519.0
STANDOFF =	5.0
TOP SHOT @	9,524
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	9,551.0
STANDOFF =	8.0
TOP SHOT @	9,559
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	9,583.5
STANDOFF =	10.5
TOP SHOT @	9,594
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	9,616.0
STANDOFF =	13.0
TOP SHOT @	9,629
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	9,648.0
STANDOFF =	16.0
TOP SHOT @	9,664
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	9,672.0
STANDOFF =	26.0
TOP OF PLUG @	9,698
PLUG TYPE:	Halliburton
PSI. RATING:	10K
LENGTH :	2'



Engineer signature: _____

STAGE 4

Plug	(+) 9,672.0
Gun 1	(-) 9,648.0
Gun 2	(+) 9,616.0
Gun 3	(-) 9,583.5
Gun 4	(+) 9,551.0
Gun 5	(-) 9,519.0
Gun 6	(+) 9,487.0

HALLIBURTON

PLUG-PERF SHEET

CUSTOMER: **Chesapeake**
 Lease: **State 16-3-61 1H**
 COUNTY: **Weld**
 STATE: **Colorado**

STAGE # 5

DATE: **4-Apr-12**
 START FRAC: _____
 END FRAC: _____
 RIH: _____
 POOH: _____
 30 DEG **6,125**
 60 DEG **6,384**
 90 DEG **6,938**

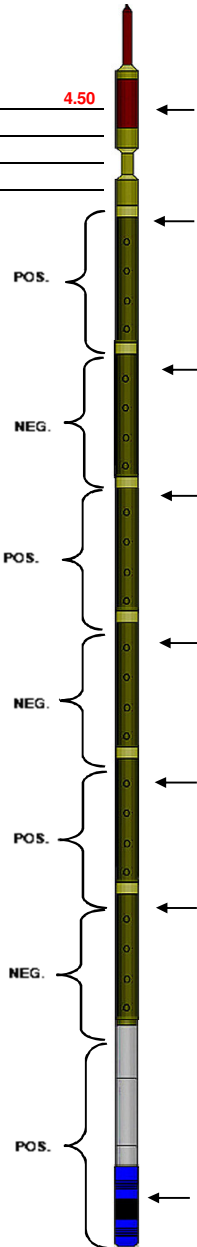
CASING ID SIZE: **4.50**
 MAX PSI: _____
 Bbls per Stage: _____
 Total Bbls / min: _____

SHUT IN PRESSURE: _____
 EQUALIZING PRESSURE: _____
 VERIFY TOOL TRAP DOWN BY: _____ DEPTH: _____
 SLOW BURN POWER CHARGE CHECK BY: _____
 GUNS METERED BY: _____ POS. _____
 PLUG SET @ DEPTH: _____ TIME: _____
 LAST GUN FIRED @ DEPTH: _____ TIME: _____
 BALL DROPPED BY: _____ TIME: _____

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TOOL STRING - 42 FT



CCL @	9,247.0
STANDOFF =	2.0
TOP SHOT @	9,249
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	9,279.0
STANDOFF =	5.0
TOP SHOT @	9,284
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	9,308.0
STANDOFF =	8.0
TOP SHOT @	9,316
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	9,343.5
STANDOFF =	10.5
TOP SHOT @	9,354
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	9,376.0
STANDOFF =	13.0
TOP SHOT @	9,389
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	9,408.0
STANDOFF =	16.0
TOP SHOT @	9,424
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	9,440.0
STANDOFF =	26.0
TOP OF PLUG @	9,466
PLUG TYPE:	Halliburton
PSI. RATING:	10K
LENGTH :	2'



Engineer signature: _____

STAGE 5

Plug	(+) 9,440.0
Gun 1	(-) 9,408.0
Gun 2	(+) 9,376.0
Gun 3	(-) 9,343.5
Gun 4	(+) 9,308.0
Gun 5	(-) 9,279.0
Gun 6	(+) 9,247.0

HALLIBURTON

PLUG-PERF SHEET

CUSTOMER: **Chesapeake**
 Lease: **State 16-3-61 1H**
 COUNTY: **Weld**
 STATE: **Colorado**

STAGE # 6

DATE: **4-Apr-12**
 START FRAC: _____
 END FRAC: _____
 RIH: _____
 POOH: _____
 30 DEG **6,125**
 60 DEG **6,384**
 90 DEG **6,938**

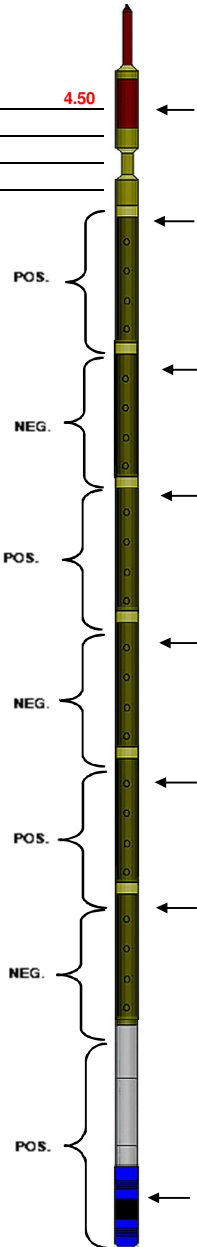
CASING ID SIZE: **4.50**
 MAX PSI: _____
 Bbls per Stage: _____
 Total Bbls / min: _____

SHUT IN PRESSURE: _____
 EQUALIZING PRESSURE: _____
 VERIFY TOOL TRAP DOWN BY: _____ DEPTH: _____
 SLOW BURN POWER CHARGE CHECK BY: _____
 GUNS METERED BY: _____ POS. _____
 PLUG SET @ DEPTH: _____ TIME: _____
 LAST GUN FIRED @ DEPTH: _____ TIME: _____
 BALL DROPPED BY: _____ TIME: _____

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TOOL STRING - 42 FT



CCL @	9,011.0
STANDOFF =	2.0
TOP SHOT @	9,013
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	9,039.0
STANDOFF =	5.0
TOP SHOT @	9,044
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	9,071.0
STANDOFF =	8.0
TOP SHOT @	9,079
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	9,103.5
STANDOFF =	10.5
TOP SHOT @	9,114
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	9,136.0
STANDOFF =	13.0
TOP SHOT @	9,149
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	9,166.0
STANDOFF =	16.0
TOP SHOT @	9,182
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	9,192.0
STANDOFF =	26.0
TOP OF PLUG @	9,218
PLUG TYPE:	Halliburton
PSI. RATING:	10K
LENGTH :	2'



Engineer signature: _____

STAGE 6

Plug	(+) 9,192.0
Gun 1	(-) 9,166.0
Gun 2	(+) 9,136.0
Gun 3	(-) 9,103.5
Gun 4	(+) 9,071.0
Gun 5	(-) 9,039.0
Gun 6	(+) 9,011.0

HALLIBURTON

PLUG-PERF SHEET

CUSTOMER: **Chesapeake**
 Lease: **State 16-3-61 1H**
 COUNTY: **Weld**
 STATE: **Colorado**

STAGE # 7

DATE: **4-Apr-12**
 START FRAC: _____
 END FRAC: _____
 RIH: _____
 POOH: _____
 30 DEG **6,125**
 60 DEG **6,384**
 90 DEG **6,938**

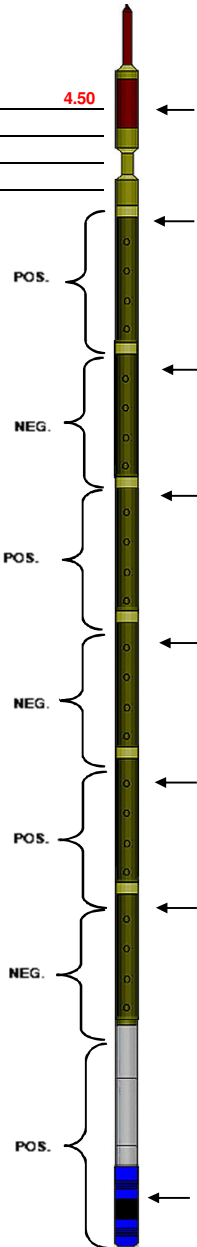
CASING ID SIZE: **4.50**
 MAX PSI: _____
 Bbls per Stage: _____
 Total Bbls / min: _____

SHUT IN PRESSURE: _____
 EQUALIZING PRESSURE: _____
 VERIFY TOOL TRAP DOWN BY: _____ DEPTH: _____
 SLOW BURN POWER CHARGE CHECK BY: _____
 GUNS METERED BY: _____ POS. _____
 PLUG SET @ DEPTH: _____ TIME: _____
 LAST GUN FIRED @ DEPTH: _____ TIME: _____
 BALL DROPPED BY: _____ TIME: _____

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TOOL STRING - 42 FT



CCL @	8,767.0
STANDOFF =	2.0
TOP SHOT @	8,769
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	8,799.0
STANDOFF =	5.0
TOP SHOT @	8,804
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	8,831.0
STANDOFF =	8.0
TOP SHOT @	8,839
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	8,859.5
STANDOFF =	10.5
TOP SHOT @	8,870
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	8,896.0
STANDOFF =	13.0
TOP SHOT @	8,909
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	8,928.0
STANDOFF =	16.0
TOP SHOT @	8,944
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	8,952.0
STANDOFF =	26.0
TOP OF PLUG @	8,978
PLUG TYPE:	Halliburton
PSI. RATING:	10K
LENGTH :	2'



Engineer signature: _____

STAGE 7

Plug	(+) 8,952.0
Gun 1	(-) 8,928.0
Gun 2	(+) 8,896.0
Gun 3	(-) 8,859.5
Gun 4	(+) 8,831.0
Gun 5	(-) 8,799.0
Gun 6	(+) 8,767.0

PLUG-PERF SHEET

CUSTOMER: **Chesapeake**
 Lease: **State 16-3-61 1H**
 COUNTY: **Weld**
 STATE: **Colorado**

STAGE # 8

DATE: **4-Apr-12**
 START FRAC: _____
 END FRAC: _____
 RIH: _____
 POOH: _____
 30 DEG **6.125**
 60 DEG **6.384**
 90 DEG **6.938**

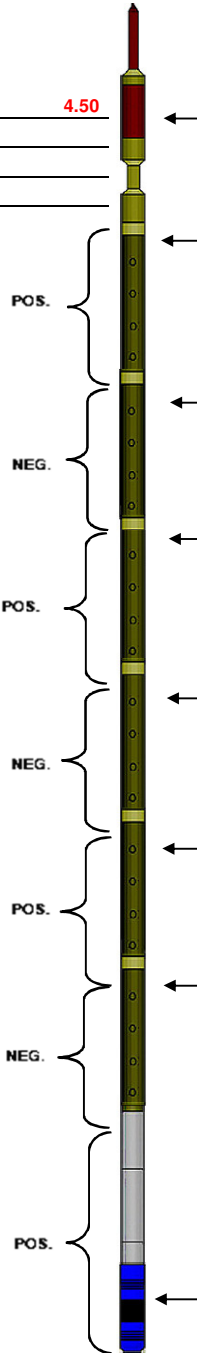
CASING ID SIZE: **4.50**
 MAX PSI: _____
 Bbls per Stage: _____
 Total Bbls / min: _____

SHUT IN PRESSURE: _____
 EQUALIZING PRESSURE: _____
 VERIFY TOOL TRAP DOWN BY: _____ DEPTH: _____
 SLOW BURN POWER CHARGE CHECK BY: _____
 GUNS METERED BY: _____
 PLUG SET @ DEPTH: _____ TIME: _____
 LAST GUN FIRED @ DEPTH: _____ TIME: _____
 BALL DROPPED BY: _____ TIME: _____

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TOOL STRING - 42 FT



CCL @	8,527.0
STANDOFF =	2.0
TOP SHOT @	8,529
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	8,559.0
STANDOFF =	5.0
TOP SHOT @	8,564
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	8,591.0
STANDOFF =	8.0
TOP SHOT @	8,599
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	8,623.5
STANDOFF =	10.5
TOP SHOT @	8,634
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	8,656.0
STANDOFF =	13.0
TOP SHOT @	8,669
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	8,688.0
STANDOFF =	16.0
TOP SHOT @	8,704
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	8,704.0
STANDOFF =	26.0
TOP OF PLUG @	8,730
PLUG TYPE:	Halliburton
PSI. RATING:	10K
LENGTH :	2'



Engineer signature: _____

STAGE 8

Plug	(+) 8,704.0
Gun 1	(-) 8,688.0
Gun 2	(+) 8,656.0
Gun 3	(-) 8,623.5
Gun 4	(+) 8,591.0
Gun 5	(-) 8,559.0
Gun 6	(+) 8,527.0

PLUG-PERF SHEET

CUSTOMER: **Chesapeake**
 Lease: **State 16-3-61 1H**
 COUNTY: **Weld**
 STATE: **Colorado**

STAGE # 9

DATE: **4-Apr-12**
 START FRAC: _____
 END FRAC: _____
 RIH: _____
 POOH: _____
 30 DEG **6,125**
 60 DEG **6,384**
 90 DEG **6,938**

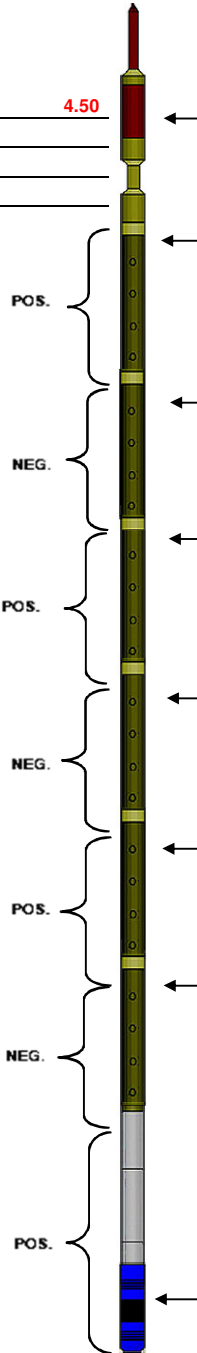
CASING ID SIZE: **4.50**
 MAX PSI: _____
 Bbls per Stage: _____
 Total Bbls / min: _____

SHUT IN PRESSURE: _____
 EQUALIZING PRESSURE: _____
 VERIFY TOOL TRAP DOWN BY: _____ DEPTH: _____
 SLOW BURN POWER CHARGE CHECK BY: _____
 GUNS METERED BY: _____
 PLUG SET @ DEPTH: _____ TIME: _____
 LAST GUN FIRED @ DEPTH: _____ TIME: _____
 BALL DROPPED BY: _____ TIME: _____

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TOOL STRING - 42 FT



CCL @	8,287.0
STANDOFF =	2.0
TOP SHOT @	8,289
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	8,319.0
STANDOFF =	5.0
TOP SHOT @	8,324
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	8,349.0
STANDOFF =	8.0
TOP SHOT @	8,357
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	8,383.5
STANDOFF =	10.5
TOP SHOT @	8,394
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	8,416.0
STANDOFF =	13.0
TOP SHOT @	8,429
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	8,448.0
STANDOFF =	16.0
TOP SHOT @	8,464
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	8,476.0
STANDOFF =	26.0
TOP OF PLUG @	8,502
PLUG TYPE:	Halliburton
PSI. RATING:	10K
LENGTH :	2'



Engineer signature: _____

STAGE 9

Plug	(+) 8,476.0
Gun 1	(-) 8,448.0
Gun 2	(+) 8,416.0
Gun 3	(-) 8,383.5
Gun 4	(+) 8,349.0
Gun 5	(-) 8,319.0
Gun 6	(+) 8,287.0

PLUG-PERF SHEET

CUSTOMER: **Chesapeake**
 Lease: **State 16-3-61 1H**
 COUNTY: **Weld**
 STATE: **Colorado**

STAGE # 10

DATE: **4-Apr-12**
 START FRAC: _____
 END FRAC: _____
 RIH: _____
 POOH: _____
 30 DEG **6.125**
 60 DEG **6.384**
 90 DEG **6.938**

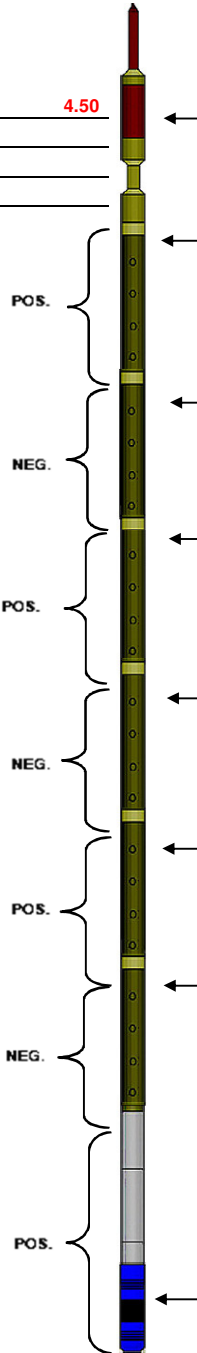
CASING ID SIZE: **4.50**
 MAX PSI: _____
 Bbls per Stage: _____
 Total Bbls / min: _____

SHUT IN PRESSURE: _____
 EQUALIZING PRESSURE: _____
 VERIFY TOOL TRAP DOWN BY: _____ DEPTH: _____
 SLOW BURN POWER CHARGE CHECK BY: _____
 GUNS METERED BY: _____
 PLUG SET @ DEPTH: _____ TIME: _____
 LAST GUN FIRED @ DEPTH: _____ TIME: _____
 BALL DROPPED BY: _____ TIME: _____

NOTES

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TOOL STRING - 42 FT



CCL @	8,052.0
STANDOFF =	2.0
TOP SHOT @	8,054
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	8,079.0
STANDOFF =	5.0
TOP SHOT @	8,084
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	8,111.0
STANDOFF =	8.0
TOP SHOT @	8,119
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	8,143.5
STANDOFF =	10.5
TOP SHOT @	8,154
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	8,176.0
STANDOFF =	13.0
TOP SHOT @	8,189
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	8,208.0
STANDOFF =	16.0
TOP SHOT @	8,224
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	8,232.0
STANDOFF =	26.0
TOP OF PLUG @	8,258
PLUG TYPE:	Halliburton
PSI. RATING:	10K
LENGTH :	2'



Engineer signature: _____

STAGE 10

Plug	(+) 8,232.0
Gun 1	(-) 8,208.0
Gun 2	(+) 8,176.0
Gun 3	(-) 8,143.5
Gun 4	(+) 8,111.0
Gun 5	(-) 8,079.0
Gun 6	(+) 8,052.0

PLUG-PERF SHEET

CUSTOMER: **Chesapeake**
 Lease: **State 16-3-61 1H**
 COUNTY: **Weld**
 STATE: **Colorado**

STAGE # 11

DATE: **4-Apr-12**
 START FRAC: _____
 END FRAC: _____
 RIH: _____
 POOH: _____
 30 DEG **6.125**
 60 DEG **6.384**
 90 DEG **6.938**

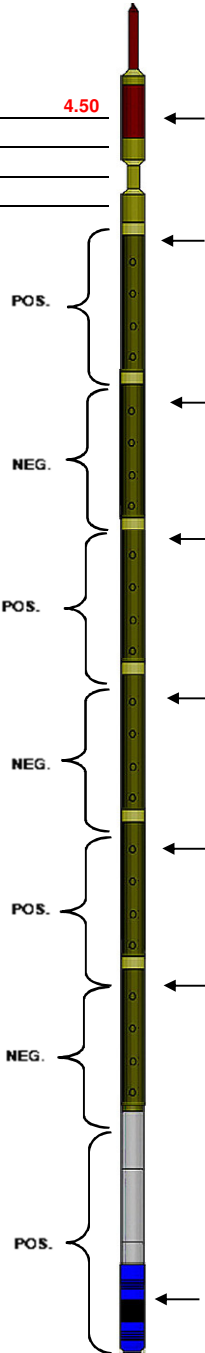
CASING ID SIZE: **4.50**
 MAX PSI: _____
 Bbls per Stage: _____
 Total Bbls / min: _____

SHUT IN PRESSURE: _____
 EQUALIZING PRESSURE: _____
 VERIFY TOOL TRAP DOWN BY: _____ DEPTH: _____
 SLOW BURN POWER CHARGE CHECK BY: _____
 GUNS METERED BY: _____
 PLUG SET @ DEPTH: _____ TIME: _____
 LAST GUN FIRED @ DEPTH: _____ TIME: _____
 BALL DROPPED BY: _____ TIME: _____

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FALSE



CCL @	7,807.0
STANDOFF =	2.0
TOP SHOT @	7,809
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	7,839.0
STANDOFF =	5.0
TOP SHOT @	7,844
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	7,871.0
STANDOFF =	8.0
TOP SHOT @	7,879
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	7,899.5
STANDOFF =	10.5
TOP SHOT @	7,910
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	7,936.0
STANDOFF =	13.0
TOP SHOT @	7,949
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	7,968.0
STANDOFF =	16.0
TOP SHOT @	7,984
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	7,992.0
STANDOFF =	26.0
TOP OF PLUG @	8,018
PLUG TYPE:	Halliburton
PSI. RATING:	10K
LENGTH :	2'



Engineer signature: _____

STAGE 11

Plug	(+) 7,992.0
Gun 1	(-) 7,968.0
Gun 2	(+) 7,936.0
Gun 3	(-) 7,899.5
Gun 4	(+) 7,871.0
Gun 5	(-) 7,839.0
Gun 6	(+) 7,807.0

PLUG-PERF SHEET

CUSTOMER: **Chesapeake**
 Lease: **State 16-3-61 1H**
 COUNTY: **Weld**
 STATE: **Colorado**

STAGE # 12

DATE: **4-Apr-12**
 START FRAC: _____
 END FRAC: _____
 RIH: _____
 POOH: _____
 30 DEG **6.125**
 60 DEG **6.384**
 90 DEG **6.938**

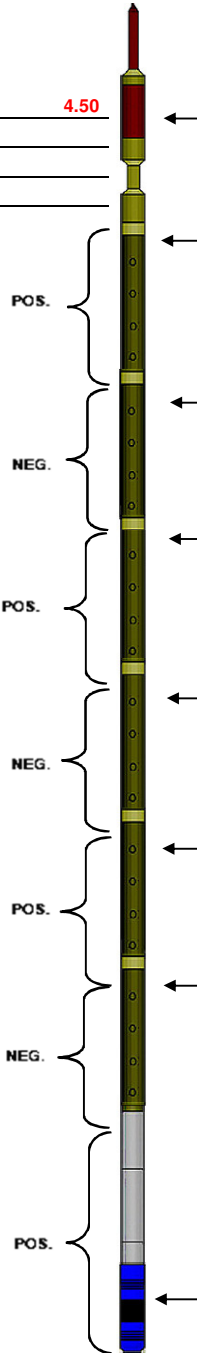
CASING ID SIZE: **4.50**
 MAX PSI: _____
 Bbls per Stage: _____
 Total Bbls / min: _____

SHUT IN PRESSURE: _____
 EQUALIZING PRESSURE: _____
 VERIFY TOOL TRAP DOWN BY: _____ DEPTH: _____
 SLOW BURN POWER CHARGE CHECK BY: _____
 GUNS METERED BY: _____
 PLUG SET @ DEPTH: _____ TIME: _____
 LAST GUN FIRED @ DEPTH: _____ TIME: _____
 BALL DROPPED BY: _____ TIME: _____

NOTES

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TOOL STRING - 42 FT



CCL @	7,567.0
STANDOFF =	2.0
TOP SHOT @	7,569
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	7,603.0
STANDOFF =	5.0
TOP SHOT @	7,608
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	7,631.0
STANDOFF =	8.0
TOP SHOT @	7,639
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	7,663.5
STANDOFF =	10.5
TOP SHOT @	7,674
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	7,696.0
STANDOFF =	13.0
TOP SHOT @	7,709
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	7,728.0
STANDOFF =	16.0
TOP SHOT @	7,744
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	7,746.0
STANDOFF =	26.0
TOP OF PLUG @	7,772
PLUG TYPE:	Halliburton
PSI. RATING:	10K
LENGTH :	2'



Engineer signature: _____

STAGE 12

Plug	(+) 7,746.0
Gun 1	(-) 7,728.0
Gun 2	(+) 7,696.0
Gun 3	(-) 7,663.5
Gun 4	(+) 7,631.0
Gun 5	(-) 7,603.0
Gun 6	(+) 7,567.0

PLUG-PERF SHEET

CUSTOMER: **Chesapeake**
 Lease: **State 16-3-61 1H**
 COUNTY: **Weld**
 STATE: **Colorado**

STAGE # 13

DATE: **4-Apr-12**
 START FRAC: _____
 END FRAC: _____
 RIH: _____
 POOH: _____
 30 DEG **6.125**
 60 DEG **6.384**
 90 DEG **6.938**

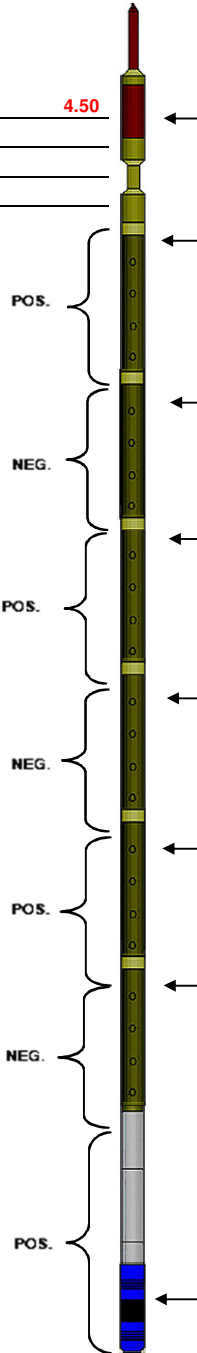
CASING ID SIZE: **4.50**
 MAX PSI: _____
 Bbls per Stage: _____
 Total Bbls / min: _____

SHUT IN PRESSURE: _____
 EQUALIZING PRESSURE: _____
 VERIFY TOOL TRAP DOWN BY: _____ DEPTH: _____
 SLOW BURN POWER CHARGE CHECK BY: _____
 GUNS METERED BY: _____
 PLUG SET @ DEPTH: _____ TIME: _____
 LAST GUN FIRED @ DEPTH: _____ TIME: _____
 BALL DROPPED BY: _____ TIME: _____

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TOOL STRING - 42 FT



CCL @	7,327.0
STANDOFF =	2.0
TOP SHOT @	7,329
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	7,359.0
STANDOFF =	5.0
TOP SHOT @	7,364
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	7,391.0
STANDOFF =	8.0
TOP SHOT @	7,399
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	7,423.5
STANDOFF =	10.5
TOP SHOT @	7,434
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	7,453.0
STANDOFF =	13.0
TOP SHOT @	7,466
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	7,488.0
STANDOFF =	16.0
TOP SHOT @	7,504
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	7,512.0
STANDOFF =	26.0
TOP OF PLUG @	7,538
PLUG TYPE:	Halliburton
PSI. RATING:	10K
LENGTH :	2'



Engineer signature: _____

STAGE 13

Plug	(+) 7,512.0
Gun 1	(-) 7,488.0
Gun 2	(+) 7,453.0
Gun 3	(-) 7,423.5
Gun 4	(+) 7,391.0
Gun 5	(-) 7,359.0
Gun 6	(+) 7,327.0

PLUG-PERF SHEET

CUSTOMER: **Chesapeake**
 Lease: **State 16-3-61 1H**
 COUNTY: **Weld**
 STATE: **Colorado**

STAGE # 14

DATE: **4-Apr-12**
 START FRAC: _____
 END FRAC: _____
 RIH: _____
 POOH: _____
 30 DEG **6,125**
 60 DEG **6,384**
 90 DEG **6,938**

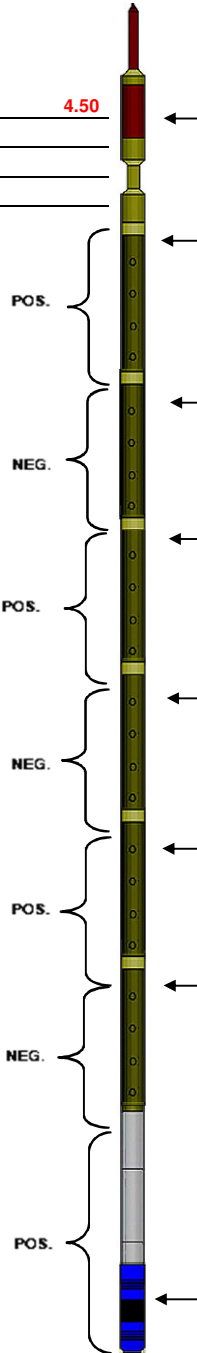
CASING ID SIZE: **4.50**
 MAX PSI: _____
 Bbls per Stage: _____
 Total Bbls / min: _____

SHUT IN PRESSURE: _____
 EQUALIZING PRESSURE: _____
 VERIFY TOOL TRAP DOWN BY: _____ DEPTH: _____
 SLOW BURN POWER CHARGE CHECK BY: _____
 GUNS METERED BY: _____
 PLUG SET @ DEPTH: _____ TIME: _____
 LAST GUN FIRED @ DEPTH: _____ TIME: _____
 BALL DROPPED BY: _____ TIME: _____

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TOOL STRING - 42 FT



CCL @	7,087.0
STANDOFF =	2.0
TOP SHOT @	7,089
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	7,119.0
STANDOFF =	5.0
TOP SHOT @	7,124
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	7,148.0
STANDOFF =	8.0
TOP SHOT @	7,156
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	7,183.5
STANDOFF =	10.5
TOP SHOT @	7,194
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	7,216.0
STANDOFF =	13.0
TOP SHOT @	7,229
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	7,248.0
STANDOFF =	16.0
TOP SHOT @	7,264
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	7,276.0
STANDOFF =	26.0
TOP OF PLUG @	7,302
PLUG TYPE:	Halliburton
PSI. RATING:	10K
LENGTH :	2'



Engineer signature: _____

STAGE 14

Plug	(+) 7,276.0
Gun 1	(-) 7,248.0
Gun 2	(+) 7,216.0
Gun 3	(-) 7,183.5
Gun 4	(+) 7,148.0
Gun 5	(-) 7,119.0
Gun 6	(+) 7,087.0

PLUG-PERF SHEET

CUSTOMER: **Chesapeake**
 Lease: **State 16-3-61 1H**
 COUNTY: **Weld**
 STATE: **Colorado**

STAGE # 15

DATE: **4-Apr-12**
 START FRAC: _____
 END FRAC: _____
 RIH: _____
 POOH: _____
 30 DEG **6.125**
 60 DEG **6.384**
 90 DEG **6.938**

CASING ID SIZE: **4.50**
 MAX PSI: _____
 Bbls per Stage: _____
 Total Bbls / min: _____

SHUT IN PRESSURE: _____
 EQUALIZING PRESSURE: _____
 VERIFY TOOL TRAP DOWN BY: _____ DEPTH: _____
 SLOW BURN POWER CHARGE CHECK BY: _____
 GUNS METERED BY: _____
 PLUG SET @ DEPTH: _____ TIME: _____
 LAST GUN FIRED @ DEPTH: _____ TIME: _____
 BALL DROPPED BY: _____ TIME: _____

POS.

NEG.

POS.

NEG.

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NEG.

POS.

CCL @	6,847.0
STANDOFF =	2.0
TOP SHOT @	6,849
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	6,879.0
STANDOFF =	5.0
TOP SHOT @	6,884
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	6,911.0
STANDOFF =	8.0
TOP SHOT @	6,919
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	6,943.5
STANDOFF =	10.5
TOP SHOT @	6,954
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	6,976.0
STANDOFF =	13.0
TOP SHOT @	6,989
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	7,004.0
STANDOFF =	16.0
TOP SHOT @	7,020
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	7,080.0
STANDOFF =	26.0
TOP OF PLUG @	7,106
PLUG TYPE:	Halliburton
PSI. RATING:	10K
LENGTH :	2'

NOTES

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TOOL STRING - 42 FT



Engineer signature: _____

STAGE 15

Plug	(+) 7,080.0
Gun 1	(-) 7,004.0
Gun 2	(+) 6,976.0
Gun 3	(-) 6,943.5
Gun 4	(+) 6,911.0
Gun 5	(-) 6,879.0
Gun 6	(+) 6,847.0

PLUG-PERF SHEET

CUSTOMER: **Chesapeake**
 Lease: **State 16-3-61 1H**
 COUNTY: **Weld**
 STATE: **Colorado**

STAGE # 16

DATE: **4-Apr-12**
 START FRAC: _____
 END FRAC: _____
 RIH: _____
 POOH: _____
 30 DEG **6,125**
 60 DEG **6,384**
 90 DEG **6,938**

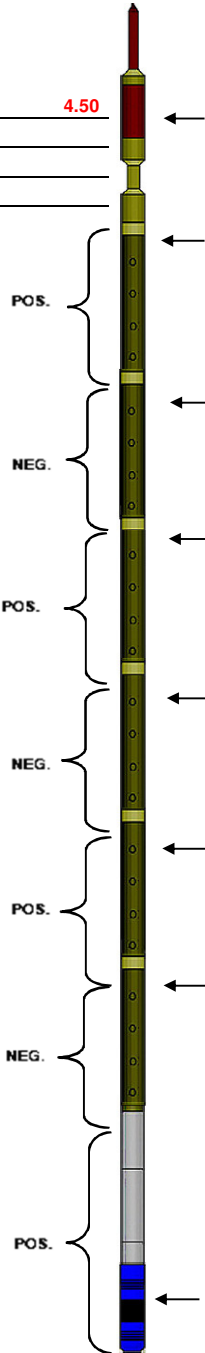
CASING ID SIZE: **4.50**
 MAX PSI: _____
 Bbls per Stage: _____
 Total Bbls / min: _____

SHUT IN PRESSURE: _____
 EQUALIZING PRESSURE: _____
 VERIFY TOOL TRAP DOWN BY: _____ DEPTH: _____
 SLOW BURN POWER CHARGE CHECK BY: _____
 GUNS METERED BY: _____
 PLUG SET @ DEPTH: _____ TIME: _____
 LAST GUN FIRED @ DEPTH: _____ TIME: _____
 BALL DROPPED BY: _____ TIME: _____

NOTES

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TOOL STRING - 42 FT



CCL @	6,607.0
STANDOFF =	2.0
TOP SHOT @	6,609
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	6,637.0
STANDOFF =	5.0
TOP SHOT @	6,642
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	6,671.0
STANDOFF =	8.0
TOP SHOT @	6,679
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	6,703.5
STANDOFF =	10.5
TOP SHOT @	6,714
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	6,736.0
STANDOFF =	13.0
TOP SHOT @	6,749
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	6,770.0
STANDOFF =	16.0
TOP SHOT @	6,786
LENGTH =	1 FT
SHOT =	5 SPF
CCL @	6,792.0
STANDOFF =	26.0
TOP OF PLUG @	6,818
PLUG TYPE:	Halliburton
PSI. RATING:	10K
LENGTH :	2'



Engineer signature: _____

STAGE 16

Plug	(+) 6,792.0
Gun 1	(-) 6,770.0
Gun 2	(+) 6,736.0
Gun 3	(-) 6,703.5
Gun 4	(+) 6,671.0
Gun 5	(-) 6,637.0
Gun 6	(+) 6,607.0