BLAST REPORT BLAST REPORT # WS 51

☐ Sanders Construction, Inc. ☒ Western States Drilling & Blasting, Inc.

DATE: Oct 13, 2010 EXACT TIME OF SHOT: 6:10

CUSTOMER: KLB JOB NO.: WS 21005

SHOT LOCATION WITH GPS COORDINATES: 1343+00 – 1343+50 TICKET NO.:

CHECK LIST COMPLETED: YES NO

TYPE OF ROCK: LaPilli Tuff FACE HEIGHT: 24 FT. POUNDS PER DELAY: MAX 70#

TOTAL HOLES: 18 ~~[illegible]~~ 10' 3" Ø

NUMBER OF HOLES: 36 Presplit HOLE DIA: ~~4"~~ 3" BxS ~~8 x 8~~ 30" c/c STEMMING: ~~8~~ 5 DEPTH: 25 900LF

NUMBER OF HOLES: 20 HOLE DIA: 4" BxS 8 x 8 STEMMING: 7 DEPTH: 16

POWDER FACTOR: .8 LBS. OF EXPLOSIVES: 656 YARDS OF ROCK: ≈ ~~[illegible]~~ 758

WEATHER: Clear WIND: Calm

EXACT MONITOR LOCATION(GPS): DIRECTION OF BLAST: MONITOR TYPE:

MONITOR: L/R T V PVS Db MONITOR SERIAL NO.:

DISTANCE TO BLAST: AVERAGE POUNDS PER HOLE: OPERATOR:

EXACT MONITOR LOCATION(GPS): DIRECTION OF BLAST: MONITOR TYPE:

MONITOR: L/R T V PVS Db MONITOR SERIAL NO.:

DISTANCE TO BLAST: AVERAGE POUNDS PER HOLE: OPERATOR:

EXPLOSIVES

DESCRIPTION	QUANTITY USED	DATE CODE	MAGAZINE	REMOVED	RETURNED
LOCATION:					
BULK A/N	Lbs				
BAG ANFO	10 ~~20~~ Bags	08SE10		20	10
POWDER 2x16 Forte	1 Cs ea.	22MA10J1		6	5
POWDER 7/8 P.Split	46 ea.	10/09/03		2 Cs	1 Cs 124 ea
lb. BOOSTER	ea.				
lb. BOOSTER	ea.				
12 ft. CTD 9	0 ea.	07AP08B4		28	28
12 ft. CTD 42	6 ea.	25JA10B4		32	26
ft.	ea.				
24 ft. H.Det	20 ea.	20MA10B4		51	31
40 ft. H.Det	8 ea.	12JY10B4		19	11
16 ft. H.Det	18 ea.	19OC9B4		47	29
ft. ms	ea.				
Powerditch	70 St ft.			88	18
50 GRAIN CORD	100 ft.	31MY10T4		1 RL	1 RL – 100'
25 GRAIN CORD	100 ft.	22FE10T4		1 RL	1 RL – 100'
MISCELLANEOUS					
NLLD	1 RL	19~~[illegible]~~10B4		2	1
MFrac 1¼ x 8	18 ~~[illegible]~~ St.			44	26

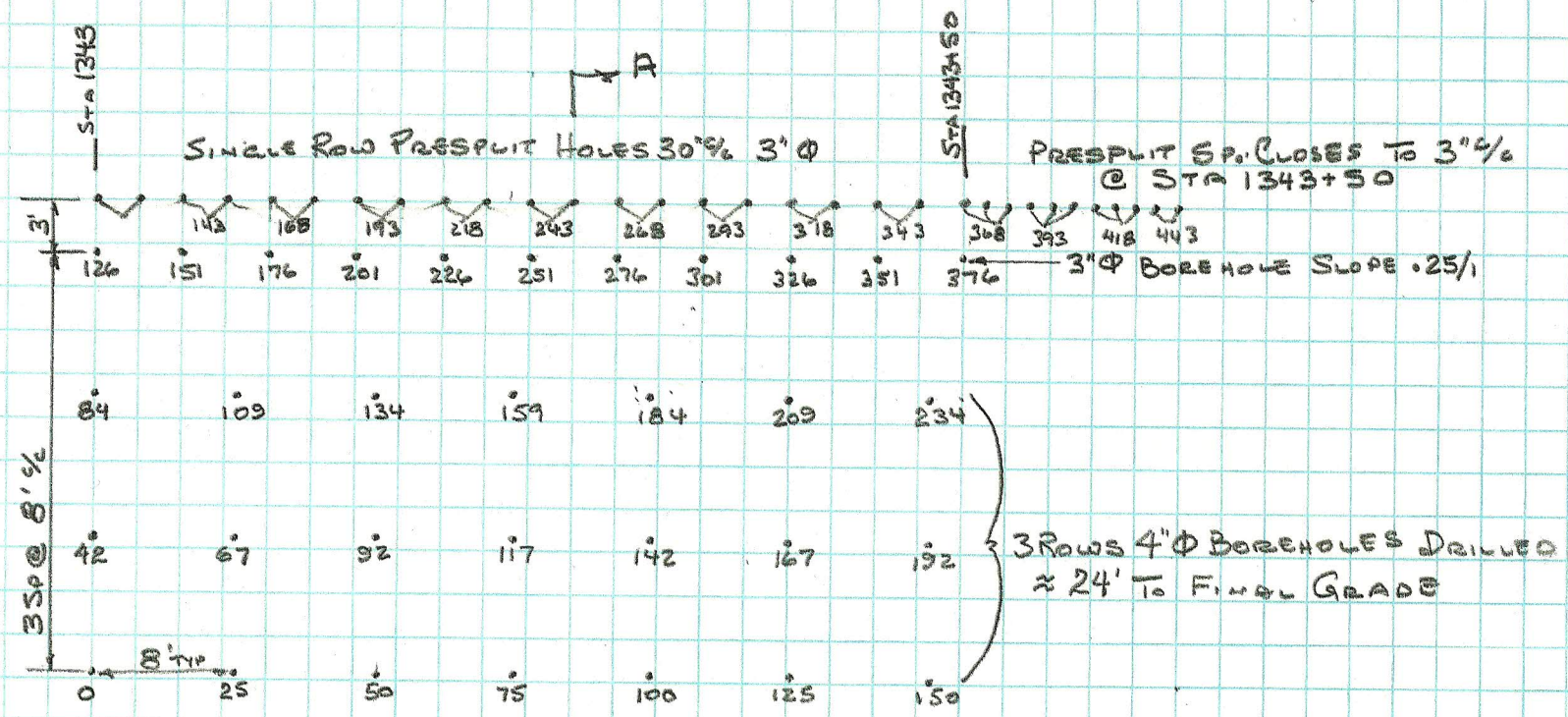
COMMENTS: This Blast Cleared Sta To Sta To Ditch Elev. And Cleared Hung Presplit From Previous Blast

BLASTER'S SIGNATURE: [signature] LICENSE NO.: UP21262

ATTACH SKETCH OF SHOT

Revised 03/04

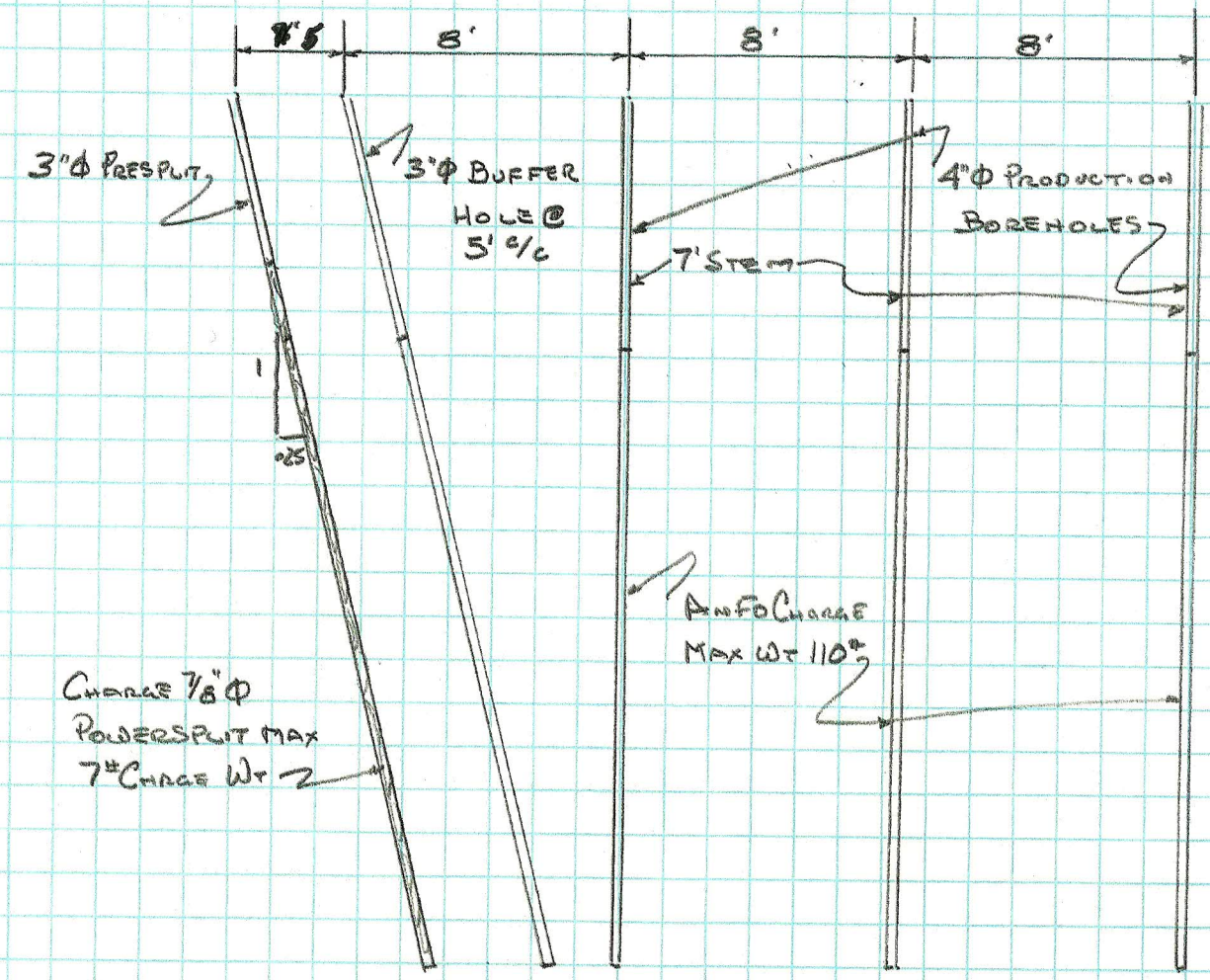
THIS FORM MUST BE FILLED OUT COMPLETELY



PLAN VIEW BLAST PLAN #51

SCALE 1" = 10'

A



SECTION AA

SCALE 1"=5'