BLAST REPORT **BLAST REPORT #** WS42

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

DATE: SEPT 21, 2010 EXACT TIME OF SHOT: 6:38 PM

CUSTOMER: KLB JOB NO.: WS21005

SHOT LOCATION WITH GPS COORDINATES: ~~[illegible]~~ PRESPLIT 1323+25 TICKET NO.:

THRU 1325+25 PROD 1323 – 1325 CHECK LIST COMPLETED: YES NO

TYPE OF ROCK: BASALT FACE HEIGHT: 24 FT. POUNDS PER DELAY: AVG 58#

TOTAL HOLES: 81 PRESPLIT 3½ @ @ 30" c/c 27' DEEP 5' STEM 2187LF

NUMBER OF HOLES: 26 HOLE DIA: 4" BxS 8 x 10 STEMMING: 7 DEPTH: 12

NUMBER OF HOLES: 100 HOLE DIA: 4" BxS 8 x 10 STEMMING: 7 DEPTH: 26

POWDER FACTOR: .85 LBS. OF EXPLOSIVES: 7363# YARDS OF ROCK: 8627

WEATHER: WET & MUDDY WIND: CALM

EXACT MONITOR LOCATION(GPS): NOT USED 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	Bags				
POWDER 3x16 M.F.	530# ea.	080212		10 Cs	5 ST
POWDER 7/8" P.S.	525# ea.	15 AP 10 X		10 Cs	.5 Cs
3x16 ~~FORTEL~~ BOOSTER	38 Cs ea.	16 JU 0931		38 Cs	0
3x16 ~~FORTEL~~ BOOSTER	66 Cs ea.	20 MY 0931		61 Cs	5
2.5x16ft FORTEL	3161# ea.			8 Cs	6 ST
2.5x16ft. FORTEL	42# ea.			42#	0
12 ft. CTD 42	8 ea.	25JA 10 B4		56	48
MSC ft. 17	15 ea.	12JA 07B4		51	36
30 ft. H. DET	26 ea.	16AU 10 B4		60	34
40 ft. H. DET	100 ea.	12JU 10 B4		100	0
ft. ms	ea.				
	ft.				
GRAIN CORD	ft.				
GRAIN CORD	ft.				
MISCELLANEOUS					

COMMENTS: BLAST LOADED VERY WET. LAST 30 HOLES NOT LOADED - TO BE LOADED @ LATER DATE

BLASTER'S SIGNATURE: [signature] LICENSE NO.: UP 21262

ATTACH SKETCH OF SHOT

Revised 03/04 THIS FORM MUST BE FILLED OUT COMPLETELY

BLAST REPORT **BLAST REPORT #** 42 A

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

DATE: SEPT 23, 2010 EXACT TIME OF SHOT: 6:40

CUSTOMER: KLB JOB NO.: WS21005

SHOT LOCATION WITH GPS COORDINATES: PRESPLIT 1325+25 TICKET NO.:

THRU 1325+75 PROD. 1325+00 – 1325+50 CHECK LIST COMPLETED: YES NO

TYPE OF ROCK: BASALT FACE HEIGHT: 24 FT. POUNDS PER DELAY:

TOTAL HOLES: 34 PRESPLIT HOLES 3½"Φ @30"CC .5/1 SLOPE 27' DEEP 5' STEM 918LF

NUMBER OF HOLES: 35 HOLE DIA: 4 BxS 8 x 10 STEMMING: 7 DEPTH: 26

NUMBER OF HOLES: HOLE DIA: BxS x STEMMING: DEPTH:

POWDER FACTOR: .76 LBS. OF EXPLOSIVES: 2067 YARDS OF ROCK: 2696

WEATHER: WET & MISERABLE WIND:

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	21 Bags	SEP 0810		21	0
POWDER 7/8" P.S.	55 ea.	120120		1	0
POWDER 2x16	4 Cs ea.	02JU10J1			
1/4 lb. BOOSTER	39 ea.	01MA10A4			
lb. BOOSTER	ea.				
40 ft. H. DET	33 ea.	05JY10B4			
30 ft. H. DET	2 ea.	16AU10B4			
MSC ft. 17	5 ea.	12JA09B4			
12 ft. CTD 42	14 ea.	25JA10B4		84	70
ft.	ea.				
ft.	ea.				
ft. ms	ea.				
	ft.				
18 GRAIN CORD	75 ft.	22SE10T4			
50 GRAIN CORD	150 ft.	31MY10T4			
MISCELLANEOUS					
FORTEL 3x16	17 Cs	10JU09J1			
7/8" P.S	2½ Cs	100903			

COMMENTS: THIS SHOT WAS A FOLLOW UP WITH THE BLAST HOLES WHICH COULD NOT BE SHOT DUE TO WET CONDITIONS AND TIME CONSTRAINTS. SEVERAL LOST HOLES

BLASTER'S SIGNATURE: [signature] LICENSE NO.: UP 21262

ATTACH SKETCH OF SHOT

Revised 03/04 THIS FORM MUST BE FILLED OUT COMPLETELY