# DRILL LOG

WESTERN STATES DRILLING AND BLASTING
2031 PABCO ROAD
HENDERSON, NV. 89011
PHONE: 702.558.3562 FAX: 702.558.3563

BENCH 1 and 4
SHOT NUMBER

062
DRILL NUMBER

6-7-11
DATE

DAVE BENEFIELD
DRILLER NAME

PRE-SPLIT 9x9
PATTERN

| HOLE NUMBER | STATION NUMBER | PRODUCTION | PRESPLIT | EXPLORATORY | BOULDERS | HOLE DEPTH | DEPTH TO TOP OF ROCK | VOIDED Y | VOIDED N | AT WHAT DEPTH | BIT SIZE | WATER | LOOSE | SOLID | GROUND CONDITIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1326+35 | | X | | | 27 | | | | | 3½ | | | X | Cut 23" |
| 2 | | | | | | 27 | | | | | | | | | |
| 3 | | | | | | 27 | | | | | | | | | |
| 4 | | | | | | 27 | | | | | | | | | |
| 5 | | | | | | 28 | | | | | | | | | |
| 6 | | | | | | 28 | | | | | | | | | |
| 7 | | | | | | 28 | | | | | | | | | |
| 8 | | | | | | 28 | | | | | | | | | |
| 9 | | | | | | 28 | | | | | | | | | |
| 10 | | | | | | 27 | | | | | | | | | |
| 11 | | | | | | 27 | | | | | | | | | |
| 12 | | | | | | 27 | | | | | | | | | |
| 13 | | | | | | 27 | | | | | | | | | |
| 14 | | | | | | 26 | | | | | | | | | |
| 15 | | | | | | 26 | | | | | | | | | |
| 16 | | | | | | 26 | | | | | | | | | |
| 17 | | | | | | 27 | | | | | | | | | |
| 18 | | | | | | 27 | | | | | | | | | |
| 19 | | | | | | 27 | | | | | | | | | |
| 20 | | | | | | 27 | | | | | | | | | |
| 21 | | | | | | 27 | | | | | | | | | |
| 22 | | | | | | 27 | | | | | | | | | |
| 23 | | | | | | 27 | | | | | | | | | |
| 24 | | | | | | 27 | | | | | | | | | |
| 25 | | | | | | 27 | | | | | | | | | |
| 26 | 1327+00 | | | | | 27 | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| 27 | BENCH #4 | X | | | | 11 | | | | | 3" | | | X | |
| 28 | | | | | | 12 | | | | | | | | | |
| 29 | | | | | | 13 | | | | | | | | | |
| 30 | | | | | | 15 | | | | | | | | | |
| 31 | | | | | | 19 | | | | | | | | | |
| 32 | | | | | | 19 | | | | | | | | | |
| 33 | | | | | | 20 | | | | | | | | | |
| 34 | | | | | | 10 | | | | | 3½ | | | | |
| 35 | | | | | | 10 | | | | | | | | | |
| 36 | | | | | | 10 | | | | | | | | | |
| 37 | | | | | | 10 | | | | | | | | | |

18 x 27 = 486
5 x 28 = 140
3 x 26 = 78
Total 704

852'

37 holes @

# DRILL LOG

WESTERN STATES DRILLING AND BLASTING
2031 PABCO ROAD
HENDERSON, NV. 89011
PHONE: 702.558.3562 FAX: 702.558.3563

BENCH # 1
SHOT NUMBER

062
DRILL NUMBER

6-6-11
DATE

DAVE BENEFIELD
DRILLER NAME

Presplit, 9x9
PATTERN

| HOLE NUMBER | STATION NUMBER | PRODUCTION | PRESPLIT | EXPLORATORY | BOULDERS | HOLE DEPTH | DEPTH TO TOP OF ROCK | VOIDED Y | VOIDED N | AT WHAT DEPTH | BIT SIZE | GROUND CONDITIONS WATER | LOOSE | SOLID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1326+00 | | ✓ | | | 27' | 0 | | | | 3½" | X | | X |
| 2 | | | | | | 27' | | | | | | | | |
| 3 | | | | | | 27' | | | | | | | | |
| 4 | | | | | | 27' | | | | | | | | |
| 5 | | | | | | 27' | | | | | | | | |
| 6 | | | | | | 27' | | | | | | | | |
| 7 | | | | | | 26' | | | | | | | | |
| 8 | | | | | | 26' | | | | | | | | |
| 9 | | | | | | 26' | | | | | | | | |
| 10 | 1326+25 | | | | | 27' | | | | | | | | |
| 11 | | | | | | 27' | | | | | | | | |
| 12 | | | ✓ | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| ~~13~~ | BENCH 4 | | | | | ~~26~~ | ~~8'~~ | | | | | | ~~X~~ | |
| ~~14~~ | | | | | | ~~26~~ | ~~8'~~ | | | | | | ~~X~~ | |
| ~~15~~ | | | | | | ~~26~~ | | | | | | | ~~X~~ | |
| 13 | | | | | | 26 | 8' | | 20' | | | | X | |
| 14 | | | | | | 26 | 8' | | 20' | | | | X | |
| 15 | | | | | | 26 | 8' | | 20 | | | | X | |
| | | | | | | | | | | | | | | |
| 16 | BENCH 3 | | | | | 26 | | | | | | | | X |
| 17 | | | | | | 16 | | | | | | | | X |

NOTE: BENCH #4 DRILLING HAS ~~GOOD~~ ~~GOOD BARLE(LEKEE)~~ ~~OVERBURDEN MIXED IN~~ ~~WITH FRACTURED~~ 6-8' overburden. THERE is ALSO VOIDS FROM 16'- 22' THROUGHOUT.

8 x 27 = 216
3 x 26 = 78
Total 294

17 @ 410'

# DRILL LOG

WESTERN STATES DRILLING AND BLASTING
2031 PABCO ROAD
HENDERSON, NV. 89011
PHONE: 702.558.3562 FAX: 702.558.3563

SHOT NUMBER: 063

DRILL NUMBER: 5-13-11

DATE: DAVE BENEFIELD

DRILLER NAME: PRE-SPLIT 30" OC

PATTERN: PROD- 5x5 / 5x12

| HOLE NUMBER | STATION NUMBER | PRODUCTION | PRESPLIT | EXPLORATORY | BOULDERS | HOLE DEPTH | DEPTH TO TOP OF ROCK | VOIDED Y | VOIDED N | AT WHAT DEPTH | BIT SIZE | GROUND CONDITIONS WATER | LOOSE | SOLID | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 135+54 | | ✓ | | | 31 | 1' | | | | 3½ | ✓ | | | Bench 1 |
| 2 | + | | ✓ | | | 31 | 1' | | | | 3½ | ✓ | | | |
| 3 | 135+59 | | ✓ | | | 31 | 1' | | | | 3½ | ✓ | | | |
| | | | | | | | | | | | | | | | |
| 4 | | ✓ | | | | 8 | | | | | 3½ | | | ✓ | Bench 2 |
| 5 | | ↓ | | | | 8 | | | | | ↓ | | | ↓ | |
| 6 | | | | | | 8 | | | | | | | | | |
| 7 | | | | | | 8 | | | | | | | | | |
| 8 | | | | | | 8 | | | | | | | | | |
| 9 | | | | | | 8 | | | | | | | | | |
| 10 | | | | | | 8 | | | | | | | | | |
| 11 | | | | | | 8 | | | | | | | | | |
| 12 | | | | | | 8 | | | | | | | | | |
| 13 | | | | | | 8 | | | | | ↓ | | | | |
| 14 | | | | | | 24 | | | | | 4" | | | | |
| 15 | | | | | | 25 | | | | | ↓ | | | | |
| 16 | | | | | | 26 | | | | | | | | | |
| 17 | | | | | | 26 | | | | | | | | | |
| 18 | | ↓ | | | | 27 | | | | | ↓ | | | ↓ | |

19 holes @ 244'

31 x 3 = 93LF

BENCH # 1

DAVE BENEFIELD
5-11-11
DRILL OGZ

# DRILL LOG

WESTERN STATES DRILLING AND BLASTING
2031 PABCO ROAD
HENDERSON, NV. 89011
PHONE: 702.558.3562 FAX: 702.558.3563

| HOLE NUMBER | PATTERN | PRODUCTION | PRESPLIT | EXPLORATORY | BOULDERS | HOLE DEPTH | DEPTH TO TOP OF ROCK | VOIDED Y | VOIDED N | AT WHAT DEPTH | BIT SIZE | STATION NUMBER | GROUND CONDITIONS WATER | LOOSE | SOLID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 30 OC | | | | | 31 | 7' | | | | 3½ | 1325+60 | X | X | |
| 2 | ? | | | | | 31 | 7' | | | | 3½ | | X | X | |
| 3 | ↓ | | | | | 31 | 7' | | | | 3½ | | X | X | |

3 holes at 93' EE

EXTREMELY WET AND ALOT OF OVERBURDEN. EACH HOLE REQUIRES CASING.

# DRILL LOG

WESTERN STATES DRILLING AND BLASTING
2031 PABCO ROAD
HENDERSON, NV. 89011
PHONE: 702.558.3562 FAX: 702.558.3563

Bench 1

SHOT NUMBER: 063

DRILL NUMBER: 5-11-11

DATE: Brad Collier

DRILLER NAME: 30' centers

PATTERN

| HOLE NUMBER | STATION NUMBER | PRODUCTION | PRESPLIT | EXPLORATORY | BOULDERS | HOLE DEPTH | DEPTH TO TOP OF ROCK | VOIDED Y | VOIDED N | AT WHAT DEPTH | BIT SIZE | GROUND CONDITIONS WATER | LOOSE | SOLID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1325+10 | | ✓ | | | 31 | 1 | | | | 3½ | Surface | | |
| 2 | | | 1 | | | 31 | 1 | | | | 1 | water | | |
| 3 | | | | | | 31 | 1 | | | | | 1 | | |
| | 1325+00 | | | | | | | | | | | | | |

91 LF

BENCH # 1

DAVE BENEFIELD
5-10-11
DRILL - 062

# DRILL LOG

WESTERN STATES DRILLING AND BLASTING
2031 PABCO ROAD
HENDERSON, NV. 89011
PHONE: 702.558.3562 FAX: 702.558.3563

| HOLE NUMBER | PATTERN | PRODUCTION | PRESPLIT | EXPLORATORY | BOULDERS | HOLE DEPTH | DEPTH TO TOP OF ROCK | VOIDED Y | VOIDED N | AT WHAT DEPTH | BIT SIZE | STATION NUMBER | GROUND CONDITIONS WATER | LOOSE | SOLID | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 30" OC | | | | | 30' | | | | | | 1325+35 | ✓ | | | Cut 27 9 |
| 2 | | | | | | 30' | | | | | | | | | | |
| 3 | | | | | | 30' | | | | | | | | | | |
| 4 | | | | | | 30' | | | | | | | | | | |
| 5 | | | | | | 30' | | | | | | | | | | |
| 6 | | | | | | 30' | | | | | | 1325+50 | | | | |
| 7 | | | | | | 31' | | | | | | 1325+75 | | | | Cut 28 2 |
| 8 | | | | | | 31' | | | | | | | | | | |
| 9 | | | | | | 31' | | | | | | | | | | |
| 10 | | | | | | 31' | | | | | | | | | | |
| 11 | | | | | | 31' | | | | | | 1325+87 | | | | |

11 holes @ 335'

ALL HOLES EXTREMELY WET. REQUIRED CASING TECHNIQUE.

Bench 1 Brad Collier 5-10-11

585 063

# DRILL LOG

WESTERN STATES DRILLING AND BLASTING
2031 PABCO ROAD
HENDERSON, NV. 89011
PHONE: 702.558.3562 FAX: 702.558.3563

| HOLE NUMBER | PATTERN | PRODUCTION | PRESPLIT | EXPLORATORY | BOULDERS | HOLE DEPTH | DEPTH TO TOP OF ROCK | VOIDED Y | VOIDED N | AT WHAT DEPTH | BIT SIZE | STATION NUMBER | GROUND CONDITIONS WATER | LOOSE | SOLID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | ✓ | | | 31 | 2 | | | | | | Surface | | |
| 2 | | | ✓ | | | 31 | 2 | | | | | | | | |
| 3 | | | ✓ | | | 31 | 1 | | | | | | | | |
| 4 | | | ✓ | | | 31 | 1 | | | | | | | | |
| 5 | | | ✓ | | | 31 | 1 | | | | | 1325+25 | | | |
| 6 | | | ✓ | | | 31 | 1 | | | | | | | | |
| 7 | | | ✓ | | | 31 | 1 | | | | | | | | |
| 8 | | | ✓ | | | 31 | 1 | | | | | | | | |
| 9 | | | ✓ | | | 31 | 1 | | | | | | | | |
| | Total 279 | | | | | | | | | | | | | | |
| | | | 288 | | | | | | | | | | | | |

C281

5-9-2011 Brad Collier 585-063

Bench 2

# DRILL LOG


WESTERN STATES DRILLING AND BLASTING
2031 PABCO ROAD
HENDERSON, NV. 89011
PHONE: 702.558.3562 FAX: 702.558.3563


| HOLE NUMBER | PATTERN | PRODUCTION | PRESPLIT | EXPLORATORY | BOULDERS | HOLE DEPTH | DEPTH TO TOP OF ROCK | VOIDED Y | VOIDED N | AT WHAT DEPTH | BIT SIZE | STATION NUMBER | GROUND CONDITIONS WATER | LOOSE | SOLID | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 24" Center | | ✓ | | | 27.5 | 3' | | | | 3" | 1327+00 | 5 | | | C256 |
| 2 | 30" Center | | | | | 27.5 | 2 | | | | 3 1/2 | | 8 | | | |
| 3 | | | | | | 28.0 | 2 | | | | | | 10 | | | |
| 4 | | | | | | 28.5 | 1 | | | | | | | | | |
| 5 | | | | | | 29 | 1 | | | | | | | | | |
| 6 | | | | | | 29.5 | 1 | | | | | | | | | |
| 7 | | | | | | 30 | 1 | | | | | | | | | |
| 8 | | | | | | 30.5 | 0 | | | | | | | | | |
| 9 | | | | | | 31 | 0 | | | | | | | | | |
| 10 | | | | | | 30.5 | | | | | | 1326+75 | | | | C224 |

292'

4069 OD

DAVE BENEFIELD
5-9-11
DRILL 062

# DRILL LOG

WESTERN STATES DRILLING AND BLASTING
2031 PABCO ROAD
HENDERSON, NV. 89011
PHONE: 702.558.3562 FAX: 702.558.3563

| HOLE NUMBER | PATTERN | PRODUCTION | PRESPLIT | EXPLORATORY | BOULDERS | HOLE DEPTH | DEPTH TO TOP OF ROCK | VOIDED Y | VOIDED N | AT WHAT DEPTH | BIT SIZE | STATION NUMBER | GROUND CONDITIONS WATER | LOOSE | SOLID | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 30" OC | | | | | 25' | | | | | 3½" | 1326+50 | | | | Cut 22.5 |
| 2 | | | | | | 26 | | | | | | | | | | |
| 3 | | | | | | 27 | | | | | | | | | | |
| 4 | | | | | | 27 | | | | | | | | | | |
| 5 | | | | | | 28 | | | | | | | | | | |
| 6 | | | | | | 29 | | | | | | | | | | |
| 7 | | | | | | 29 | | | | | | | | | | |
| 8 | | | | | | 30 | | | | | | | | | | |
| 9 | | | | | | 30' | | | | | | 1326+75 | | | | Cut 28½ |
| | | | | | | | | | | | | | | | | |
| | | | | | | (251) | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 10 | 24" OC | | | | | 27 | | | | | 3" | 1327+50 | | | | Cut 25.5 |
| 11 | | | | | | 27 | | | | | | | | | | |
| 12 | | | | | | 28 | | | | | | | | | | |
| 13 | | | | | | 28 | | | | | | | | | | |
| 14 | | | | | | 28 | | | | | | 1327+58 | | | | |
| | | | | | | | | | | | | | | | | |
| 15 | 30" OC | | | | | 33 | | | | | 3½" | 1326+00 | | | | Cut 29.7 |
| 16 | | | | | | 33 | | | | | | | | | | WET/6' Down |
| | | | | | | | | | | | | | | | | |
| | | | | | | (204) | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | 455 | | | | | | | | | | |

Bench 8

Bench 7

16 holes @ 455' OF PRE-SPLIT

BENCH #2

DAVE BENEFIELD
5-6-11
DRILL 062

**DRILL LOG**

WESTERN STATES DRILLING AND BLASTING
2031 PABCO ROAD
HENDERSON, NV. 89011
PHONE: 702.558.3562 FAX: 702.558.3563

| HOLE NUMBER | PATTERN | PRODUCTION | PRESPLIT | EXPLORATORY | BOULDERS | HOLE DEPTH | DEPTH TO TOP OF ROCK | VOIDED Y | VOIDED N | AT WHAT DEPTH | BIT SIZE | STATION NUMBER | GROUND CONDITIONS WATER | LOOSE | SOLID | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 24" OC | | | | | 30' | | | | | | 1328+42 | | | | |
| 2 | | | | | | 30' | | | | | | | | | | |
| 3 | | | | | | 30' | | | | | | | | | | |
| 4 | | | | | | 30' | | | | | | | | | | |
| 5 | | | | | | 30' | | | | | | 1328+50 | | | | Cut 28± |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 6 | 24' OC | | | | | 26 | | | | | | 1327+65 | | | | |
| 7 | | | | | | 26 | | | | | | | | | | |
| 8 | | | | | | 26 | | | | | | | | | | |
| 9 | | | | | | 26 | | | | | | | | | | |
| 10 | | | | | | 26 | | | | | | 1327+75 | | | | Cut 24± |
| 11 | | | | | | 24 | | | | | | | | | | |
| 12 | | | | | | 26 | | | | | | | | | | |
| 13 | | | | | | 26 | | | | | | | | | | |
| 14 | | | | | | 26 | | | | | | | | | | |
| 15 | | | | | | 26 | | | | | | | | | | |
| 16 | | | | | | 26 | | | | | | | | | | |
| 17 | | | | | | 26 | | | | | | | | | | |
| 18 | | | | | | 26 | | | | | | | | | | |
| 19 | | | | | | 26 | | | | | | | | | | |
| 20 | | | | | | 26 | | | | | | | | | | |
| 21 | | | | | | 26 | | | | | | | | | | |
| 22 | | | | | | 26 | | | | | | | | | | |
| 23 | | | | | | 26 | | | | | | 1328+00 | | | | Cut 24± |

23 holes @ 618' OF PRESPLIT DRILLING

Bench 2 5-6-2011 B. Collier

# DRILL LOG

WESTERN STATES DRILLING AND BLASTING
2031 PABCO ROAD
HENDERSON, NV. 89011
PHONE: 702.558.3562 FAX: 702.558.3563

585-063

| HOLE NUMBER | PATTERN | PRODUCTION | PRESPLIT | EXPLORATORY | BOULDERS | HOLE DEPTH | DEPTH TO TOP OF ROCK | VOIDED Y | VOIDED N | AT WHAT DEPTH | BIT SIZE | STATION NUMBER | GROUND CONDITIONS WATER | LOOSE | SOLID | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 24" Grid | | ✓ | | | 28 | 0 | | | | | 1327+31 | 5 | | | Blow between Holes |
| 2 | | | | | | 28 | 0 | | | | | | 8 | | | |
| 3 | | | | | | 28 | 0 | | | | | | 6 | | | |
| 4 | | | | | | 28 | 0 | | | | | 1327+25 | 20 | | | C 26' |
| 5 | | | | | | 28 | 0 | | | | | | 18 | | | |
| 6 | | | | | | 28 | 1 | | | | | | 10 | | | Blow between Holes |
| 7 | | | | | | 28 | 1 | | | | | | 10 | | | |
| 8 | | | | | | 28 | 1 | | | | | | 10 | | | |
| 9 | | | | | | 27.5 | 1 | | | | | | | | | |
| 10 | | | | | | 27.5 | 0 | | | | | | | | | |
| 11 | | | | | | 27.5 | 1 | | | | | | | | | seamy softer Rock |
| 12 | | | | | | 28 | 1 | | | | | | | | | |
| 13 | | | | | | 28 | 1 | | | | | | | | | |
| 14 | | | | | | 28 | 1 | | | | | | | | | |
| 15 | | | | | | 27.5 | 0 | | | | | | | | | |
| | | | | | | | | | | | | 1327 | | | | C 25' |

418'

BENCH # 2

DAVE BENEFIELD
5-5-11
DRILL # 062

**DRILL LOG**

WESTERN STATES DRILLING AND BLASTING
2031 PABCO ROAD
HENDERSON, NV. 89011
PHONE: 702.558.3562 FAX: 702.558.3563

| HOLE NUMBER | PATTERN | PRODUCTION | PRESPLIT | EXPLORATORY | BOULDERS | HOLE DEPTH | DEPTH TO TOP OF ROCK | VOIDED Y | VOIDED N | AT WHAT DEPTH | BIT SIZE | STATION NUMBER | GROUND CONDITIONS WATER | LOOSE | SOLID | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 24" oc | | ✓ | | | 26 | 0-1' | | | | 3" | 1328+04 | | | ✓ | Cut 24' |
| 2 | | | | 78 | | 26 | | | | | | | | | | |
| 3 | | | | | | 26 | | | | | | | | | | |
| 4 | | | | | | 27 | | | | | | | | | | |
| 5 | | | 108 | | | 27 | | | | | | | | | | |
| 6 | | | | | | 27 | | | | | | | | | | |
| 7 | | | | | | 27 | | | | | | | | | | |
| 8 | | | | | | 28 | | | | | | | | | | |
| 9 | | | 84 | | | 28 | | | | | | | | | | |
| 10 | | | | | | 28 | | | | | | | | | | |
| 11 | | | | | | 29 | | | | | | 1328+25 | | | | Cut 26' |
| 12 | | | | | | 29 | | | | | | | | | | |
| 13 | | | 174 | | | 29 | | | | | | | | | | |
| 14 | | | | | | 29 | | | | | | | | | | |
| 15 | | | | | | 29 | | | | | | | | | | |
| 16 | | | | | | 29 | | | | | | | | | | |
| 17 | | | | | | 30 | | | | | | | | | | |
| 18 | | | 90 | | | 30 | | | | | | | | | | |
| 19 | | | | | | 30 | | | | | | 1328+41 | | | | |
| | | | 534 | | | | | | | | | | | | | |

5/6/11

19 holes @ 534' OF 3" DIAMETER PRE-SPLIT

Bench 2

5-4-2011

Brad Gillm

585-063

# DRILL LOG

WESTERN STATES DRILLING AND BLASTING
2031 PABCO ROAD
HENDERSON, NV. 89011
PHONE: 702.558.3562 FAX: 702.558.3563

| HOLE NUMBER | PATTERN | PRODUCTION | PRESPLIT | EXPLORATORY | BOULDERS | HOLE DEPTH | DEPTH TO TOP OF ROCK | VOIDED Y | VOIDED N | AT WHAT DEPTH | BIT SIZE | STATION NUMBER | GROUND CONDITIONS WATER | LOOSE | SOLID | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 24' | | ✓ | | | 27.5 | 0 | | | | 3" | 1327+50 | (10) | | | C 25.5 |
| 2 | | | | | | 27.5 | 0 | | | | | | (5) | | | |
| 3 | | | | | | 27.5 | 0 | | | | | | (5) | | | |
| 4 | | | | | | 27.5 | 0 | | | | | | (5) | | | |
| 5 | | | | | | 27.5 | 0 | | | | | | (6) | | | |
| 6 | | | | | | 27.5 | 0 | | | | | | | | | |
| 7 | | | | | | 27.5 | 0 | | | | | | | | | |
| 8 | | | | | | 28 | 0 | | | | | | 10 | | | |
| | | | Total | | | 220.5 | | | | | | | | | | |
| | | | | | | 5/8/11 | | | | | | | | | | |
| | | | RB | | | | | | | | | 1327+25 | | | | C 26.1 |

BENCH 3 / BENCH 2

DAVE BENEFIELD
5-4-11
DRILL 062

**DRILL LOG**
WESTERN STATES DRILLING AND BLASTING
2031 PABCO ROAD
HENDERSON, NV. 89011
PHONE: 702.558.3562 FAX: 702.558.3563

| | HOLE NUMBER | PATTERN | PRODUCTION | PRESPLIT | EXPLORATORY | BOULDERS | HOLE DEPTH | DEPTH TO TOP OF ROCK | VOIDED Y | VOIDED N | AT WHAT DEPTH | BIT SIZE | STATION NUMBER | GROUND CONDITIONS WATER | LOOSE | SOLID | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BENCH 3 | 1 | 24" OC | | ✓ | | | 26 | 1' | | | | | 1329+43 | | | ✓ | cut 22°7 |
| | 2 | | | | | | 26 | | | | | | | | | | |
| | 3 | | | | | | 26 | | | | | | | | | | |
| | 4 | | | | | | 26 | | | | | | | | | | |
| | 5 | | | | | | 26 | | | | | | | | | | |
| | 6 | | | | | | 26 | | | | | | | | | | |
| | 7 | | | | | | 26 | | | | | | | | | | |
| | 8 | | | | | | 26 | | | | | | | | | | |
| | 9 | | | | | | 25 | | | | | | | | | | |
| | 10 | | | | | | 25 | | | | | | | | | | |
| | 11 | | | | | | 25 | | | | | | | | | | |
| | 12 | | | | | | 25 | | | | | | | | | | |
| | 13 | | | | | | 25 | | | | | | | | | | |
| | 14 | | | | | | 25 | | | | | | | | | | |
| | 15 | | | | | | 25 | | | | | | | | | | |
| | 16 | | | | | | 25 | | | | | | 1329+75 | | | ✓ | cut 22 44 |
| BENCH 2 | 17 | | | | | | 26 | 0 | | | | | 1327+88 | | | | |
| | 18 | | | | | | 26 | | | | | | | | | | |
| | 19 | | | | | | 26 | | | | | | | | | | |
| | 20 | | | | | | 26 | | | | | | | | | | |
| | 21 | | | | | | 26 | | | | | | | | | | |
| | 22 | | | | | | 26 | | | | | | 1328+00 | | | | cut 24 1 |

22 holes @ 564' EE

HARD ROCK / ALL WILL HAVE WATER IN THEM when we LOAD

Bench 3

# DRILL LOG

WESTERN STATES DRILLING AND BLASTING
2031 PABCO ROAD
HENDERSON, NV. 89011
PHONE: 702.558.3562 FAX: 702.558.3563

5-3-2011
Brad Collier
585-063

| HOLE NUMBER | PATTERN | PRODUCTION | PRESPLIT | EXPLORATORY | BOULDERS | HOLE DEPTH | DEPTH TO TOP OF ROCK | VOIDED Y | VOIDED N | AT WHAT DEPTH | BIT SIZE | STATION NUMBER | GROUND CONDITIONS WATER | LOOSE | SOLID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 24" | | X | | | 27 | 2 | | | | 30 | 1329+27 | | 16 | |
| 2 | Centers | | | | | 27 | 2 | | | | | 1329+29 | | 15 | |
| 3 | | | | | | 26 | 2 | | | | | +31 | | 16 | |
| 4 | | | | | | 26 | 1 | X | | 6 | | +33 | | 15+25 | |
| 5 | | | | | | 26 | 0 | X | | 4 | | +35 | | 10 | |
| 6 | | | | | | 25 | 1 | | | | | +37 | | 8 | |
| 7 | | | | | | 25 | 1 | | | | | +39 | | 7 | |
| 8 | | | | | | 24 | 3 | | | | | +41 | | 7 | |
| | | | | | | | | | | | | 1329+50 | | | |

Soft Seam

C =24.60

C 22.07

Total 206 LF
[signature]
5/4/11

Bench 3

5-3-11
DRILL - 062
DAVE

# DRILL LOG

WESTERN STATES DRILLING AND BLASTING
2031 PABCO ROAD
HENDERSON, NV. 89011
PHONE: 702.558.3562 FAX: 702.558.3563

| HOLE NUMBER | PATTERN | PRODUCTION | PRESPLIT | EXPLORATORY | BOULDERS | HOLE DEPTH | DEPTH TO TOP OF ROCK | VOIDED Y | VOIDED N | AT WHAT DEPTH | BIT SIZE | STATION NUMBER | GROUND CONDITIONS WATER | LOOSE | SOLID | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 24" OC | | ✓ | | 0 | ~~25~~ 24' | 1' | | | | 3" | 1329+75 | ✓ | ✓ | ✓ | (cut 22.44) |
| 2 | | | | | | ~~25~~ 24 | 1' | | | | | | | | | |
| 3 | | | | | | ~~25~~ 24 | 2' | | | | | | | | | |
| 4 | | | 120 | | | 24 | 2' | | | | | | | | | |
| 5 | | | | | | 24 | 1' | | | | | | | | | |
| 6 | | | | | | 25 | 2' | | | | | | | | | |
| 7 | | | | | | 25 | 1' | | | | | | | | | |
| 8 | | | | | | 25 | 1' | | | | | | | | | |
| 9 | | | | | | 25 | 1' | | | | | | | | | |
| 10 | | | | | | 25 | 1' | | | | | | | | | |
| 11 | | | 205 | | | 25 | 1' | | | | | | | | | |
| 12 | ~~1330+00~~ | | | | | 25 | 1' | | | | | 1330+00 | | | | (cut 23.41) |
| 13 | | | | | | 25 | 1' | | | | | | | | | |
| 14 | | | | | | 25 | 2' | | | | | | | | | |
| 15 | | | | | | 25 | 2' | | | | | | | | | |
| 16 | | | | | | 26 | 2' | | | | | | | | | |
| 17 | | | | | | 26 | 2' | | | | | | | | | |
| 18 | | | | | | 26 | 1' | | | | | | | | | |
| 19 | | | 134 | | | 26 | 1' | | | | | | | | | |
| 20 | | | | | | 26 | 1' | | | | | | | | | |
| 21 | | | | | | 26 | 1' | | | | | | | | | |
| 22 | | | | | | 26 | 2' | | | | | | | | | |
| 23 | | | | | | 26 | 1' | | | | | | | | | |
| 24 | | | | | | 26 | 1' | | | | | 1330+25 | | | | (cut 24.36) |

24 holes @ 604' OF PRESPLIT

HOLES WILL ALL HAVE WATER IN THEM. MOSTLY SOLID ROCK WITH DIRTY ROCK Seams AT 9'-12' and 16'-19'

5/4/11