

APPENDIX B
WELL COMPLETION DIAGRAMS
FOR LISBON VALLEY MINE
WATER SUPPLY WELLS

Prepared for

Lisbon Valley Mining Co., LLC
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Prepared by:



Adrian Brown

Geology, Hydrology, Geochemistry, Environmental

WELL COMPLETION DIAGRAM

PW97-1



PW-1

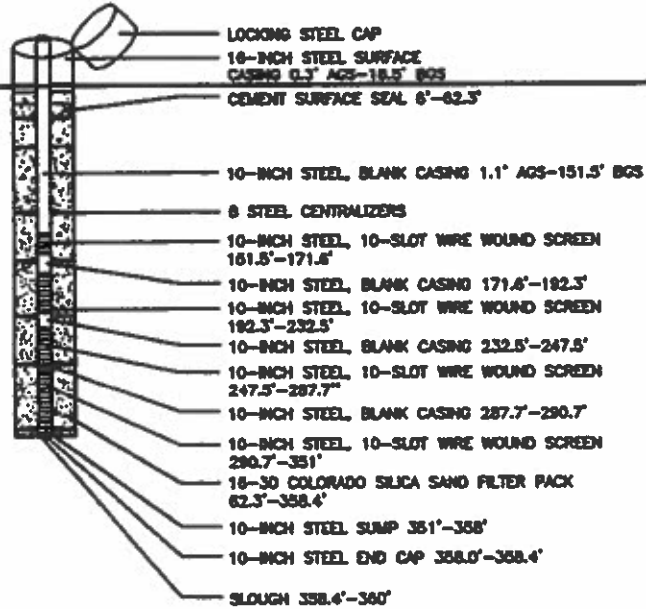
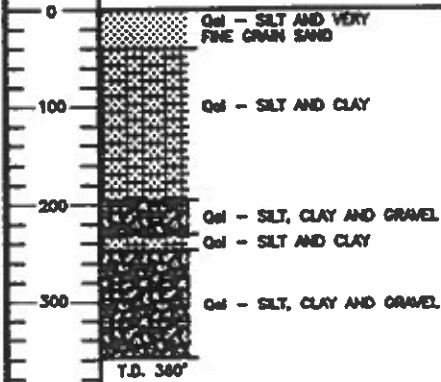
SUMMA USA CORPORATION

PROJECT NAME: 1424A LISBON VALLEY
 WELL NO.: PW97-1
 LOCATION: LISBON VALLEY, UT
 GROUND ELEVATION: 6385.2'
 CASING ELEVATION: 6388.3'
 CASING STICK UP: 1.1'

DRILLER: LAYNE DRILLING
 C. BAUER
 GEOLOGIST:
 HYDROGEOLOGIST:
 DATE DRILLED: 8/1/87-8/8/87
 METHOD: MUD ROTARY
 DATE COMPLETED: 8/8/87-8/12/87
 DATE DEVELOPED: 8/12/87-8/22/87
 METHOD: SURGING, AIR LIFTING AND BALING

BOREHOLE T.D.: 380'
 WELL T.D.: 358.4'
 SCREEN INTERVAL: 280.7'-361', 247.5'-287.7', 182.3'-232.5', 161.5'-171.6'
 DEPTH TO WATER: 67.83'
 DATE MEASURED: 11/10/87

SIMPLIFIED GEOLOGIC LOG



151.5 - 171.6 16.2
 171.6 - 232.5 60.9
 232.5 - 247.5 15.0
 247.5 - 287.7 40.2
 16.8

11/10/87

Prepared by:



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Geoscientist Hydrology-Geochronology-Environmental

WELL COMPLETION DIAGRAM

PW97-2

PW-2



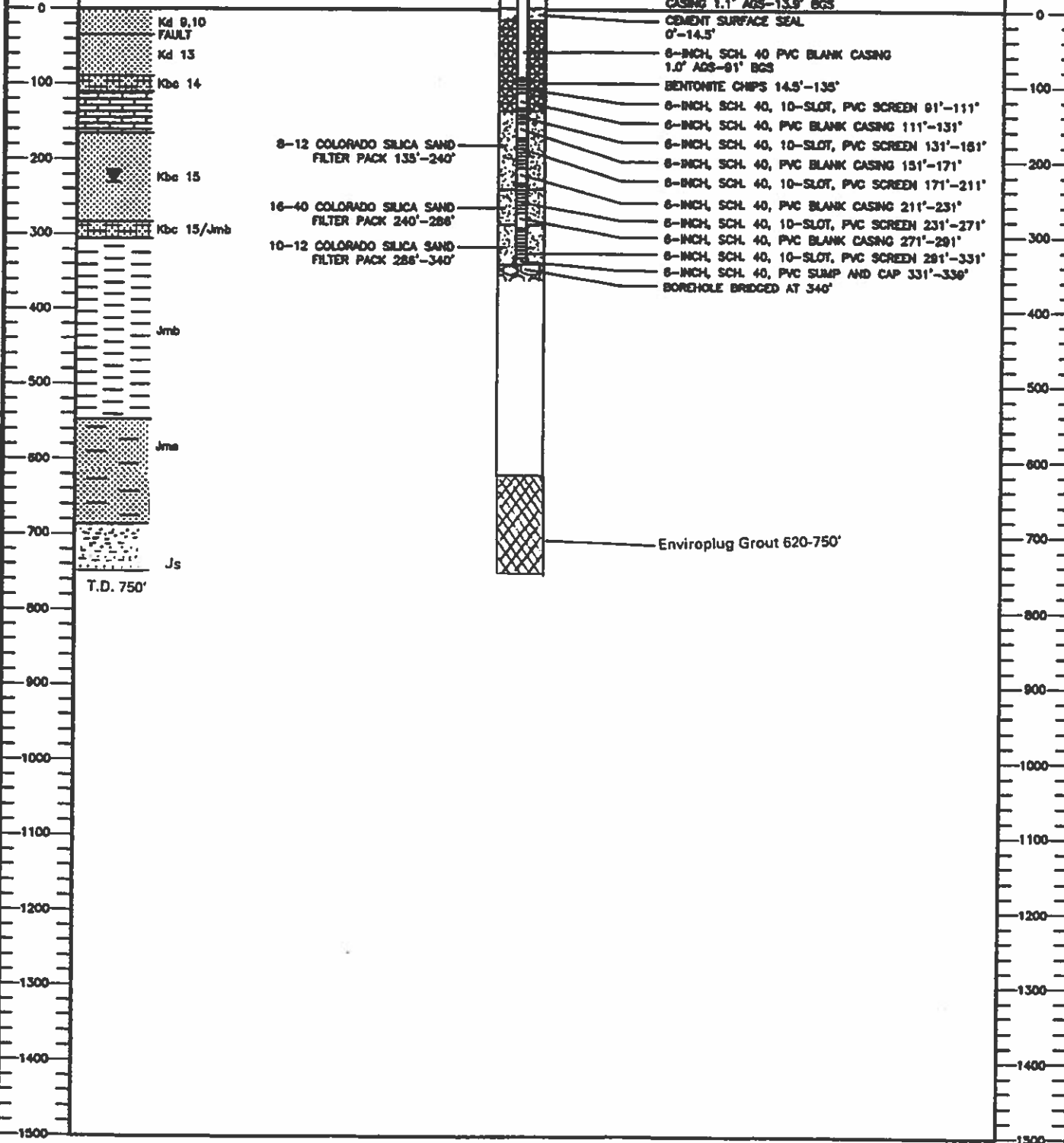
SUMMO USA CORPORATION

PROJECT NAME: 1424A LISBON VALLEY
 WELL NO.: PW97-2
 LOCATION: LISBON VALLEY, UT
 GROUND ELEVATION: 8366.6'
 CASING ELEVATION: 8387.6'
 CASING STICK UP: 1.0'

DRILLER: H.E. BEEMAN DRILLING
 GEOLOGIST: C. BAUER
 HYDROGEOLOGIST: S. WYMAN
 DATE DRILLED: 9/18/97-9/23/97
 METHOD: AIR ROTARY
 DATE COMPLETED: 11/15/97-11/21/97
 DATE DEVELOPED: 11/20/97
 METHOD: PLUMPING

BOREHOLE T.D.: 750'
 WELL T.D.: 336'
 SCREEN INTERVAL: 180' TOTAL
 DEPTH TO WATER: 138.94'
 DATE MEASURED: 11/20/97

SIMPLIFIED GEOLOGIC LOG



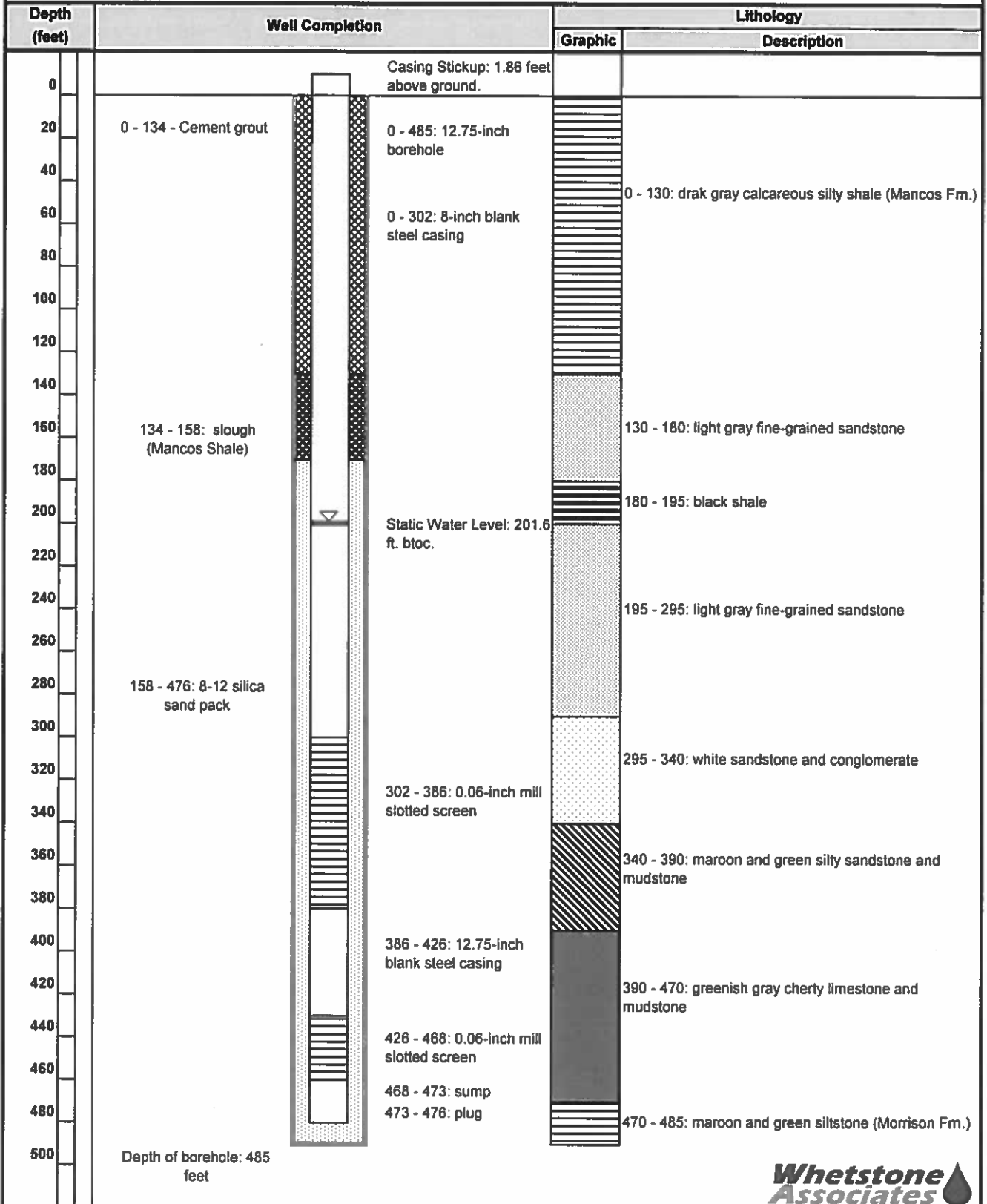
1424A LISBON VALLEY-97A-ARZ.DWG: 12/16/97

WELL COMPLETION DIAGRAM

PW-3

Well ID: PW-3
Project: 4124E Lisbon Valley
Coordinates: 42,052.50 N, 40,509.47 E
Ground Elev.: 6390.16 ft
Casing Elev.: 6392.02 ft
Casing Stick-up: 1.86 ft
Total Well Depth: 476.00 ft

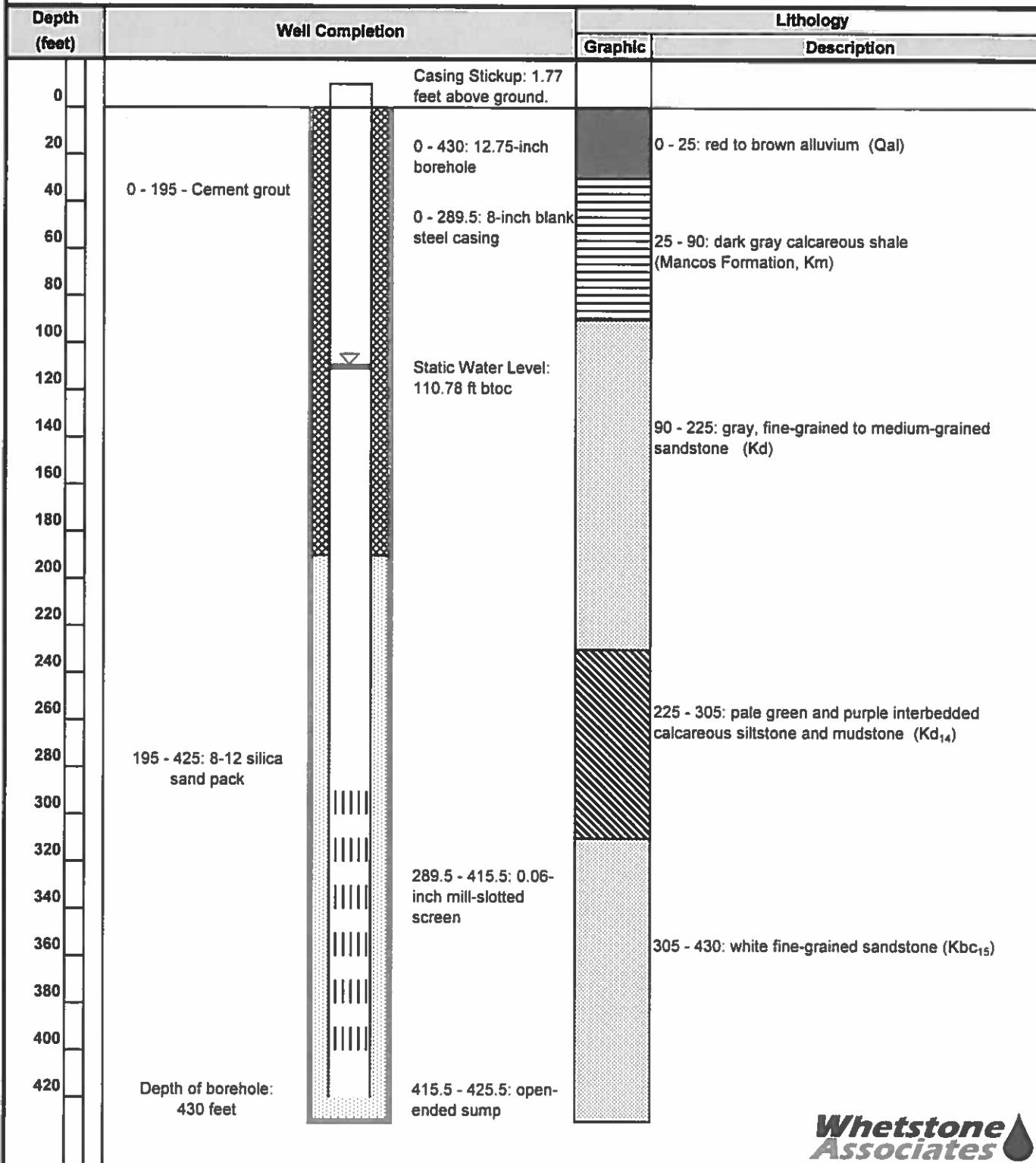
Date Drilled: 5/12/04 - 5/14/04
Date Completed: 5/15/04 - 5/22/04
Developed: 5/17/04
Yield Tested: 5/23 - 5/24/04
Driller: Bob Beeman Drilling, Moab Utah
Method: Air/Water Rotary
Hydrologist: Susan Wyman, Whetstone Associates



WELL COMPLETION DIAGRAM

PW-4

Well ID:	PW-4	Date Drilled:	5/18 - 5/21/04
Project:	4124E Lisbon Valley	Completed:	5/21 - 5/22/04
Coordinates:	43999.10 N, 38745.17 E	Developed:	5/22 - 5/23 and 6/10 - 6/11/04
Ground Elev.:	6351.52 ft	Yield Tested:	6/13/04
Casing Elev.:	6353.29 ft	Driller:	Bob Beeman Drilling, Moab Utah
Casing Stick-up:	1.77 ft	Method:	Air/Water Rotary
Total Well Depth:	425.50 ft	Hydrologist:	Susan Wyman, Whetstone Associates

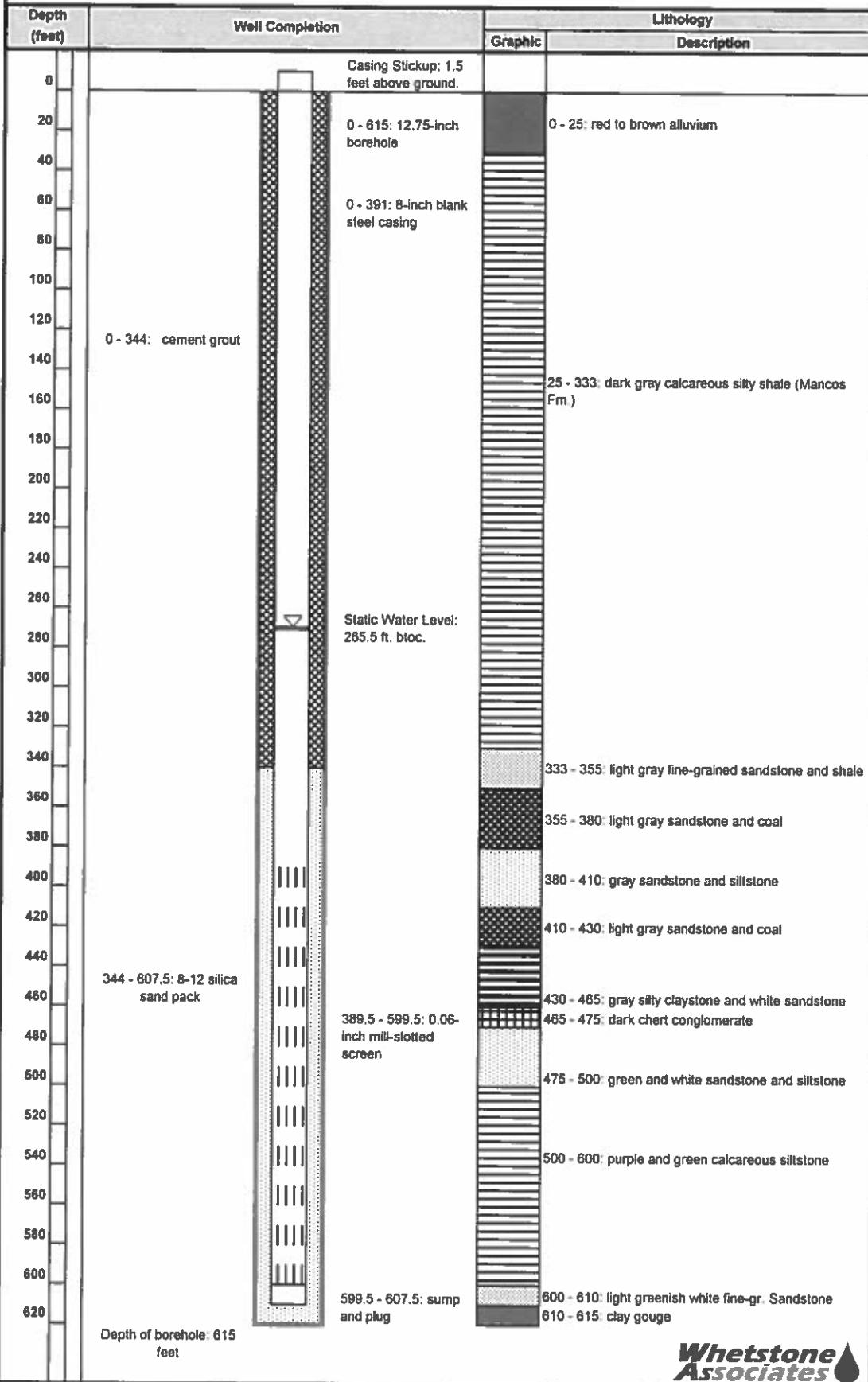


WELL COMPLETION DIAGRAM

PW-5

Well ID: PW-5
Project: 4124E Lisbon Valley
Coordinates: 32107.77 N, 45735.19 E
Ground Elev.: 6431.88 ft (variable)
Casing Elev.: 6433.10 ft
Casing Stick-up: 1.22 - 1.50 ft
Casing Depth: 607.50 ft bgs

Date Drilled: 5/24 - 5/26/04
Completed: 5/27 - 5/28/04
Developed: 5/27/04
Yield Tested: 6/5 - 6/6/04
Driller: Bob Beeman Drilling, Moab Utah
Method: Air/Water Rotary
Hydrologist: Susan Wyman, Whetstone Associates

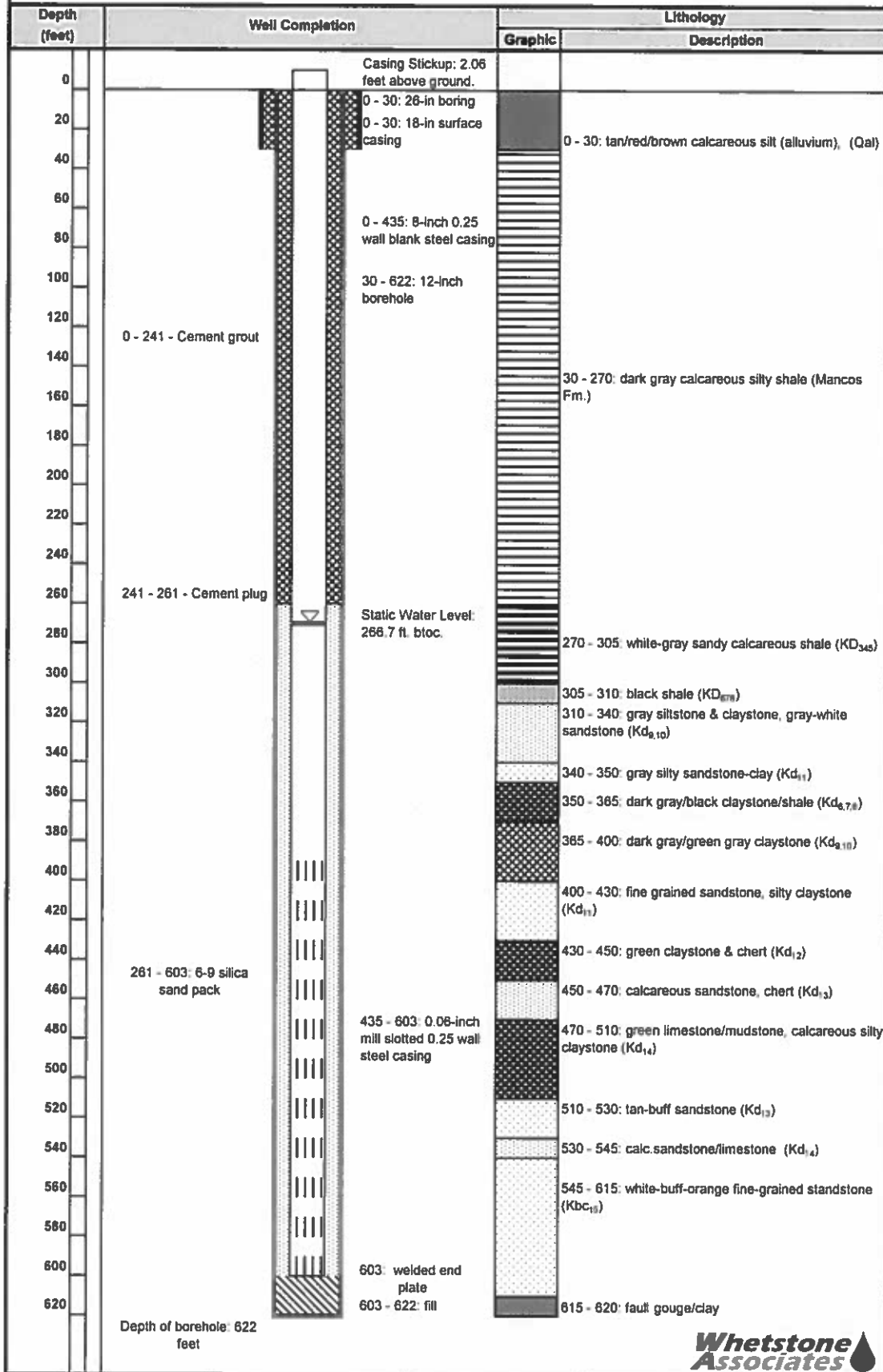


WELL COMPLETION DIAGRAM

PW-6

Well ID: PW-6
 Project: 4124E Lisbon Valley
 Coordinates: 34776.96 N, 44437.74 E
 Ground Elev.: 8433.79 ft
 Casing Elev.: 8435.85 ft
 Casing Stick-up: 2.06 ft
 Casing Depth: 603.0 ft

Date Drilled: 5/8 - 5/11/2005
 Completed: 5/12- 5/14/2005
 Developed: 5/14/2005
 Yield Tested: 5/20/2005
 Driller: Stewart Brothers Drilling Co.
 Method: Mud Rotary Flooded Reverse
 Hydrologist: Susan Wyman, Whetstone Associates



WELL COMPLETION DIAGRAM

PW-7

Well ID: PW-7	Date Drilled: 5/20/05-6/7/2005
Project: 4124E Lisbon Valley	Completed: 6/18/2005
Coordinates: 33605.05 N, 47569.02 E	Developed: n/a
Ground Elev.: 6374.91 ft	Yield Tested: 6/18-17/05
Casing Elev.: 6376.01 ft	Driller: Stewart Brothers Drilling Co.
Casing Stick-up: 1.10 ft	Method: Mud Rotary Flooded Reverse (0-666 ft)
Casing Depth: 1500.70 ft	Air/Water Rotary (666-1,518 ft)
Borehole Depth: 1,518 ft	Hydrologist: Susan Wyman, Whelstone Associates
	Geologist: Chuck Bauer, LVMC

