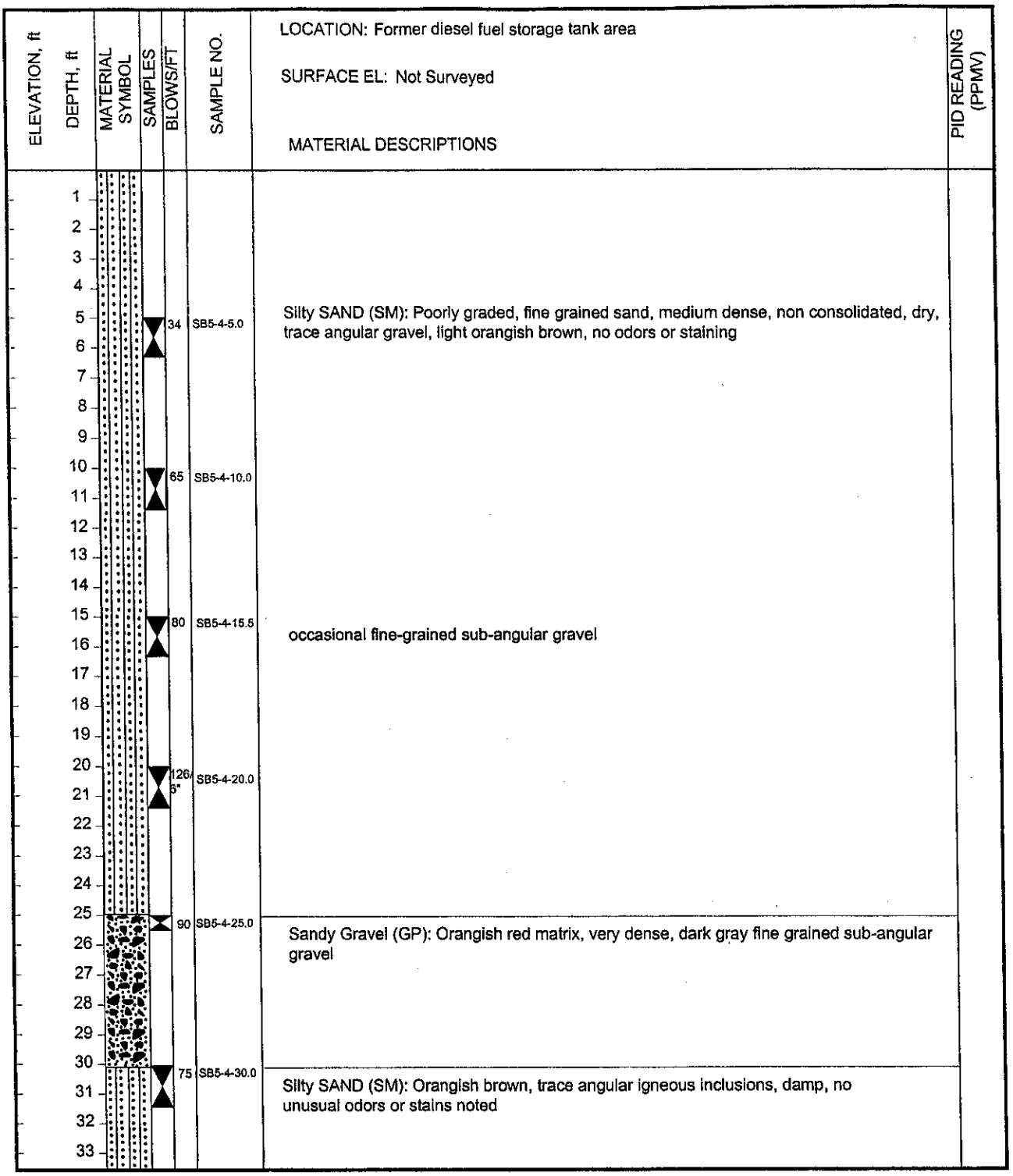
March 1999
Project No. 4020-004-260



COMPLETION DEPTH: 41.5 Ft.
DEPTH TO WATER
First Encountered (▽): None
At End of Drilling (▼): None
BACKFILLED WITH: Bentonite Chips
DRILLING DATE: March 29, 1999

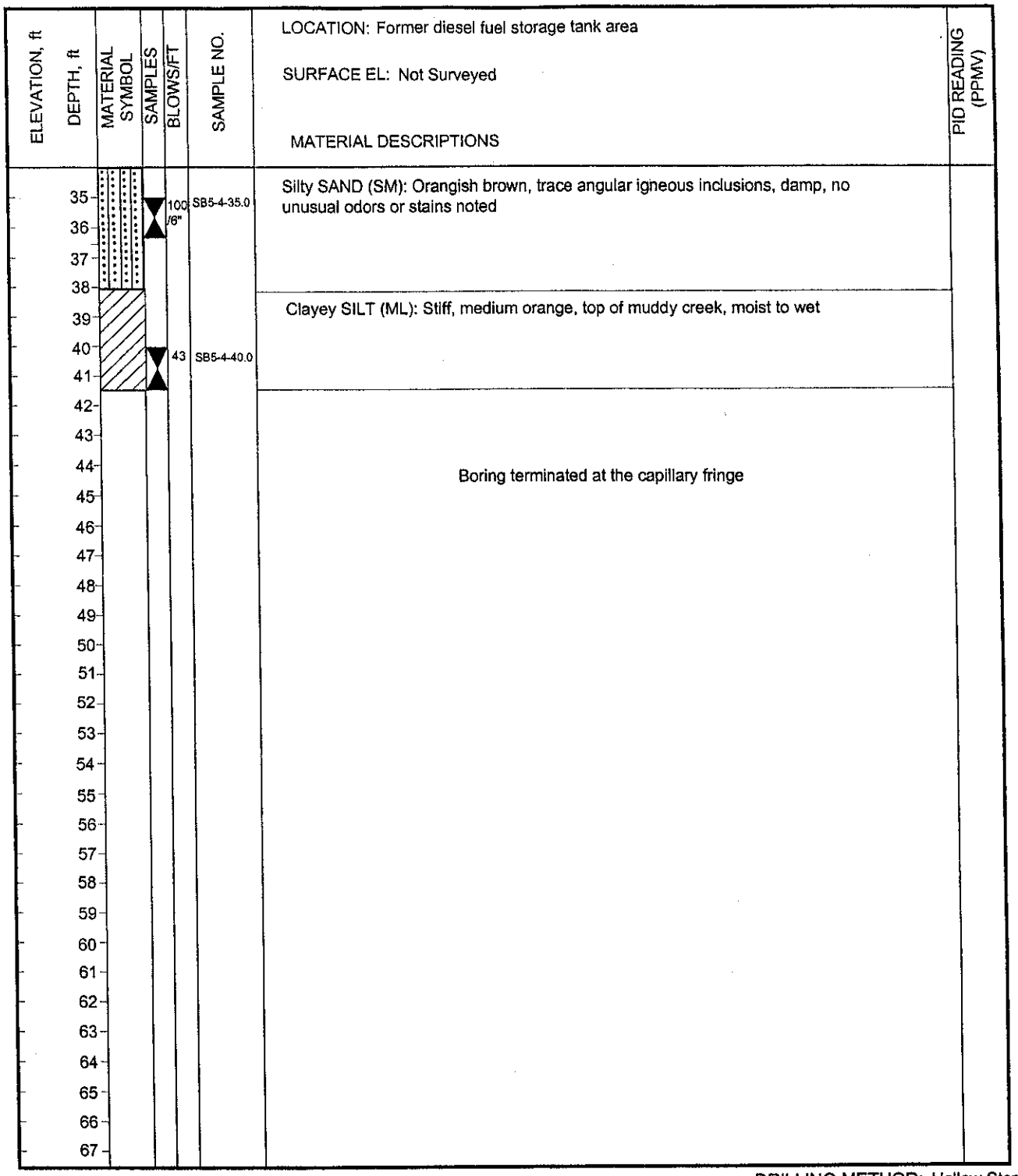
DRILLING METHOD: Hollow Stem
DRILLED BY: Gregg Drilling
LOGGED BY: DJ. Poehls
CHECKED BY: D. Gerry

The log and data presented are a simplification of actual condition encountered at the time of probing at the probed locations. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF SOIL BORING SB5-4
Kerr-McGee Chemical LLC
Henderson, Nevada Facility

G:\DWG\4020\004\SB5-4

March 1999
Project No. 4020-004-260



COMPLETION DEPTH: 41.5 Ft.
DEPTH TO WATER
First Encountered (▽): None
At End of Drilling (▼): None
BACKFILLED WITH: Bentonite Chips
DRILLING DATE: March 29, 1999

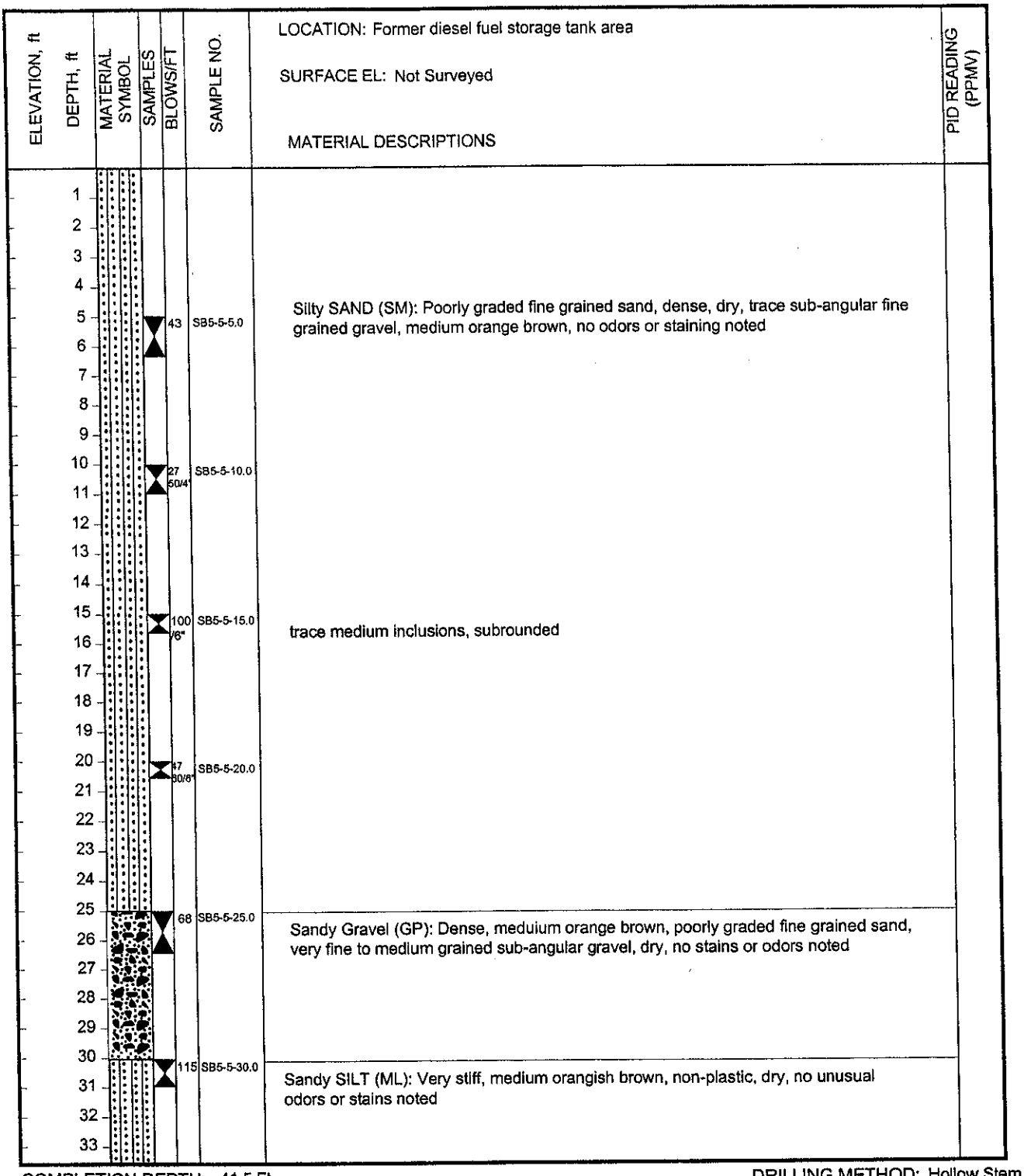
DRILLING METHOD: Hollow Stem
DRILLED BY: Gregg Drilling
LOGGED BY: DJ. Poehls
CHECKED BY: D. Gerry

The log and data presented are a simplification of actual condition encountered at the time of probing at the probed locations. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF SOIL BORING SB5-4
Kerr-McGee Chemical LLC
Henderson, Nevada Facility

G:\DWG\4020\004\SB5-4A

March 1999
Project No. 4020-004-260



COMPLETION DEPTH: 41.5 Ft.
DEPTH TO WATER
First Encountered (▽): 41.5 Ft.
At End of Drilling (▼): None
BACKFILLED WITH: Bentonite Chips
DRILLING DATE: March 29, 1999

DRILLING METHOD: Hollow Stem
DRILLED BY: Gregg Drilling
LOGGED BY: DJ. Poehls
CHECKED BY: D. Gerry

The log and data presented are a simplification of actual condition encountered at the time of probing at the probed locations. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF SOIL BORING SB5-5
Kerr-McGee Chemical LLC
Henderson, Nevada Facility

G:\DWG\4020\004\SB5-5

March 1999
Project No. 4020-004-260

ELEVATION, ft / DEPTH, ft	MATERIAL SYMBOL	SAMPLES	BLOWS/FT	SAMPLE NO.	LOCATION: Former diesel fuel storage tank area SURFACE EL: Not Surveyed MATERIAL DESCRIPTIONS	PID READING (PPMV)
35					Silty SAND (SM): Very fine lenses or stringers of caliche (hydrochloric acid reactive)	
36			59	SB5-5-35.0		
37						
38						
39						
40						
41			44	SB5-5-40.0	▽ with saturated coarse sand, strong hydrocarbon odor	
42						
43					Boring advancement terminated at top of water table. Temporary monitoring well set for the collection of groundwater sample	
44						
45						
46						
47						
48						
49						
50						
51						
52						
53						
54						
55						
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57						
58						
59						
60						
61						
62						
63						
64						
65						
66						
67						

COMPLETION DEPTH: 41.5 ft.
DEPTH TO WATER
First Encountered (▽): 41.5 ft.
At End of Drilling (▼): None
BACKFILLED WITH: Bentonite Chips
DRILLING DATE: March 29, 1999

DRILLING METHOD: Hollow Stem
DRILLED BY: Gregg Drilling
LOGGED BY: DJ. Poehls
CHECKED BY: D. Gerry

The log and data presented are a simplification of actual condition encountered at the time of probing at the probed locations. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF SOIL BORING SB5-5
Kerr-McGee Chemical LLC
Henderson, Nevada Facility

G:\DWG\4020\004\SB5-5A

March 1999
Project No. 4020-004-260

LOCATION: Former diesel fuel storage tank Area

SURFACE EL: Not Surveyed

ELEVATION, ft / DEPTH, ft	MATERIAL SYMBOL	SAMPLES	BLOWS/FT	SAMPLE NO.	MATERIAL DESCRIPTIONS	PID READING (PPMV)
1–4						
5			34	SB5-6-5.0	Sandy SILT (ML): Very fine grained sand, dense, dry, trace very fine grained gravel, orangish brown, no odors or staining	
6–9						
10			43	SB5-6-10.0	Silty SAND (SM): Trace gravel, poorly graded fine grained sand, very dense, medium orangish brown, no stains or odors noted	
11–14						
15			47 50/3"	SB5-6-15.0	increased gravel	
16–19						
20			63	SB5-6-20.0	Silty sandy GRAVEL (GM): Very dense, orange brown, very poorly graded fine grained sand, fine grained angular gravel, sub-angular, dry, no odors or stains noted	
21–24						
25			115	SB5-6-25.0		
26–29						
30			108	SB5-6-30.0		
31					Silty SAND (SM): Very dense, medium orange brown, trace sub-angular fine grained gravel, medium grained sand, dry, no unusual odors or stains noted	
32–33						

COMPLETION DEPTH: 41.5 ft.
DEPTH TO WATER
First Encountered (▽): 41.5 ft.
At End of Drilling (▼): None
BACKFILLED WITH: Bentonite Chips
DRILLING DATE: March 29, 1999

DRILLING METHOD: Hollow Stem
DRILLED BY: Gregg Drilling
LOGGED BY: DJ. Poehls
CHECKED BY: D. Gerry

The log and data presented are a simplification of actual condition encountered at the time of probing at the probed locations. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF SOIL BORING SB5-6
Kerr-McGee Chemical LLC
Henderson, Nevada Facility

G:\DWG\4020\004\SB5-6

LOCATION: Former diesel fuel storage tank area

SURFACE EL: Not Surveyed

ELEVATION, ft / DEPTH, ft	MATERIAL SYMBOL	SAMPLES	BLOWS/FT	SAMPLE NO.	MATERIAL DESCRIPTIONS	PID READING (PPMV)
35					Silty SAND (SM): very dense, light orange brown, poorly graded fine grained sand, trace fine grained sub-angular gravel, dry, no unusual odors or stains noted	
36						
37						
38						
39						
40			125 /6"	SB5-6-35.0		
41			39	SB5-6-40.0	SILT (ML): Medium orange brown, no gravel, moist to wet, no stains or odors	
42						
43					Boring terminated at the capillary fringe	
44						
45						
46						
47						
48						
49						
50						
51						
52						
53						
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61						
62						
63						
64						
65						
66						
67						

COMPLETION DEPTH: 41.5 ft.
DEPTH TO WATER
First Encountered (▽): 41.5 ft.
At End of Drilling (▼): None
BACKFILLED WITH: Bentonite Chips
DRILLING DATE: March 29, 1999

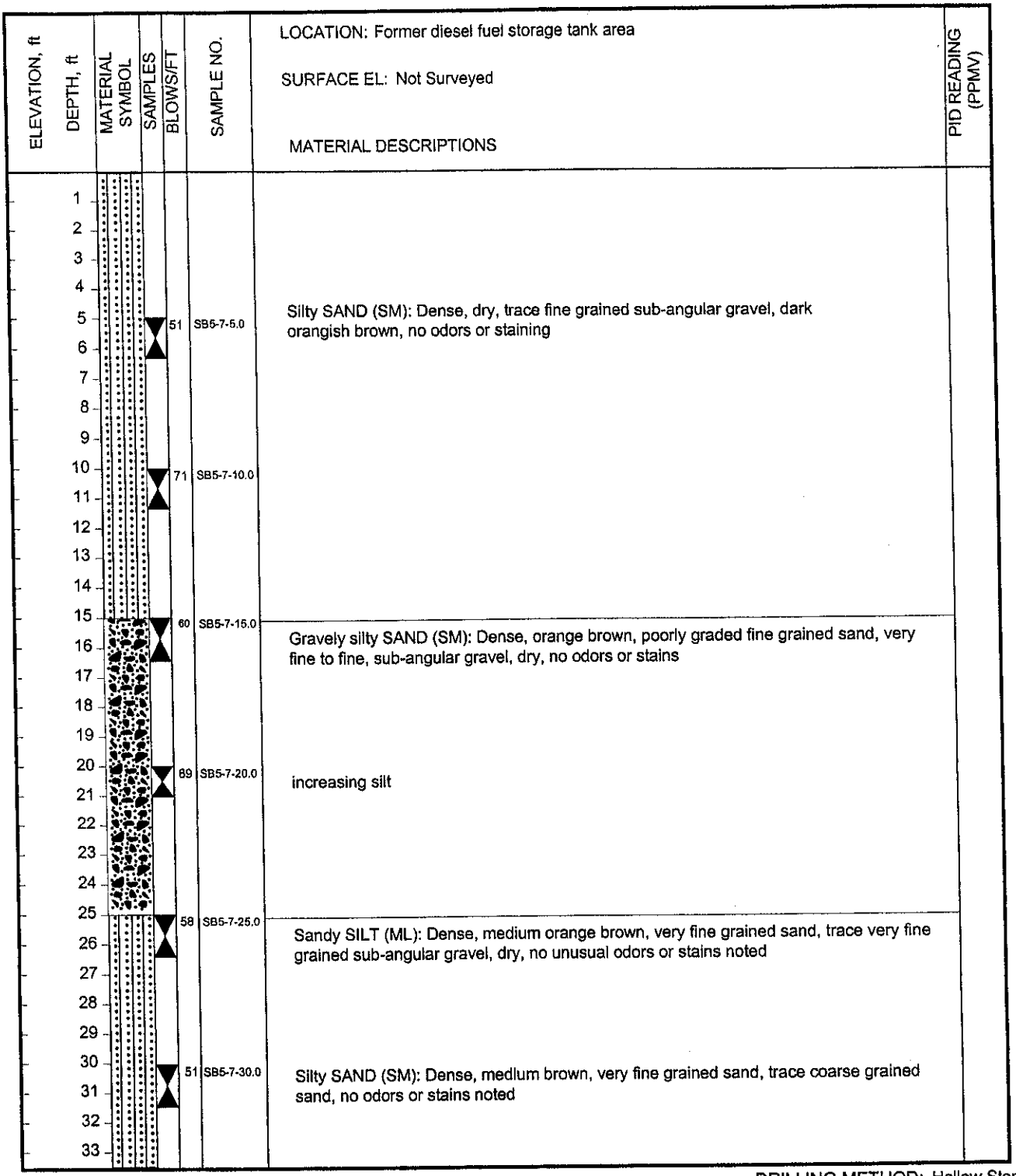
DRILLING METHOD: Hollow Stem
DRILLED BY: Gregg Drilling
LOGGED BY: DJ. Poehls
CHECKED BY: D. Gerry

The log and data presented are a simplification of actual condition encountered at the time of probing at the probed locations. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF SOIL BORING SB5-6
Kerr-McGee Chemical LLC
Henderson, Nevada Facility

G:\DWG\4020\004\SB5-6a

March 1999
Project No. 4020-004-260



COMPLETION DEPTH: 41.5 ft.
DEPTH TO WATER
First Encountered (▽): 41.5 ft.
At End of Drilling (▼): None
BACKFILLED WITH: Bentonite Chips
DRILLING DATE: March 29, 1999

DRILLING METHOD: Hollow Stem
DRILLED BY: Gregg Drilling
LOGGED BY: DJ. Poehls
CHECKED BY: D. Gerry

The log and data presented are a simplification of actual condition encountered at the time of probing at the probed locations. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF SOIL BORING SB5-7
Kerr-McGee Chemical LLC
Henderson, Nevada Facility

G:\DWG\4020\004\SB5-7

March 1999
Project No. 4020-004-260

ELEVATION, ft / DEPTH, ft	MATERIAL SYMBOL	SAMPLES	BLOWS/FT	SAMPLE NO.	LOCATION: Former diesel fuel storage tank area SURFACE EL: Not Surveyed MATERIAL DESCRIPTIONS	PID READING (PPMV)
35					Firm, medium orangish brown, very fine grained poorly graded sand, damp, no unusual odors or stains noted	
36						
37						
38						
39						
40			33	SB5-7-35.0	Sandy SILT (ML):	
41			25	SB5-7-40.0	▽ SILT (ML): Trace clay, medium orange brown, moist to wet, very slightly plastic, no stains or odors	
42						
43					Boring terminated at the capillary fringe	
44						
45						
46						
47						
48						
49						
50						
51						
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54						
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57						
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62						
63						
64						
65						
66						
67						

COMPLETION DEPTH: 41.5 ft.
DEPTH TO WATER
First Encountered (▽): 41.5 ft.
At End of Drilling (▼): None
BACKFILLED WITH: Bentonite Chips
DRILLING DATE: March 29, 1999

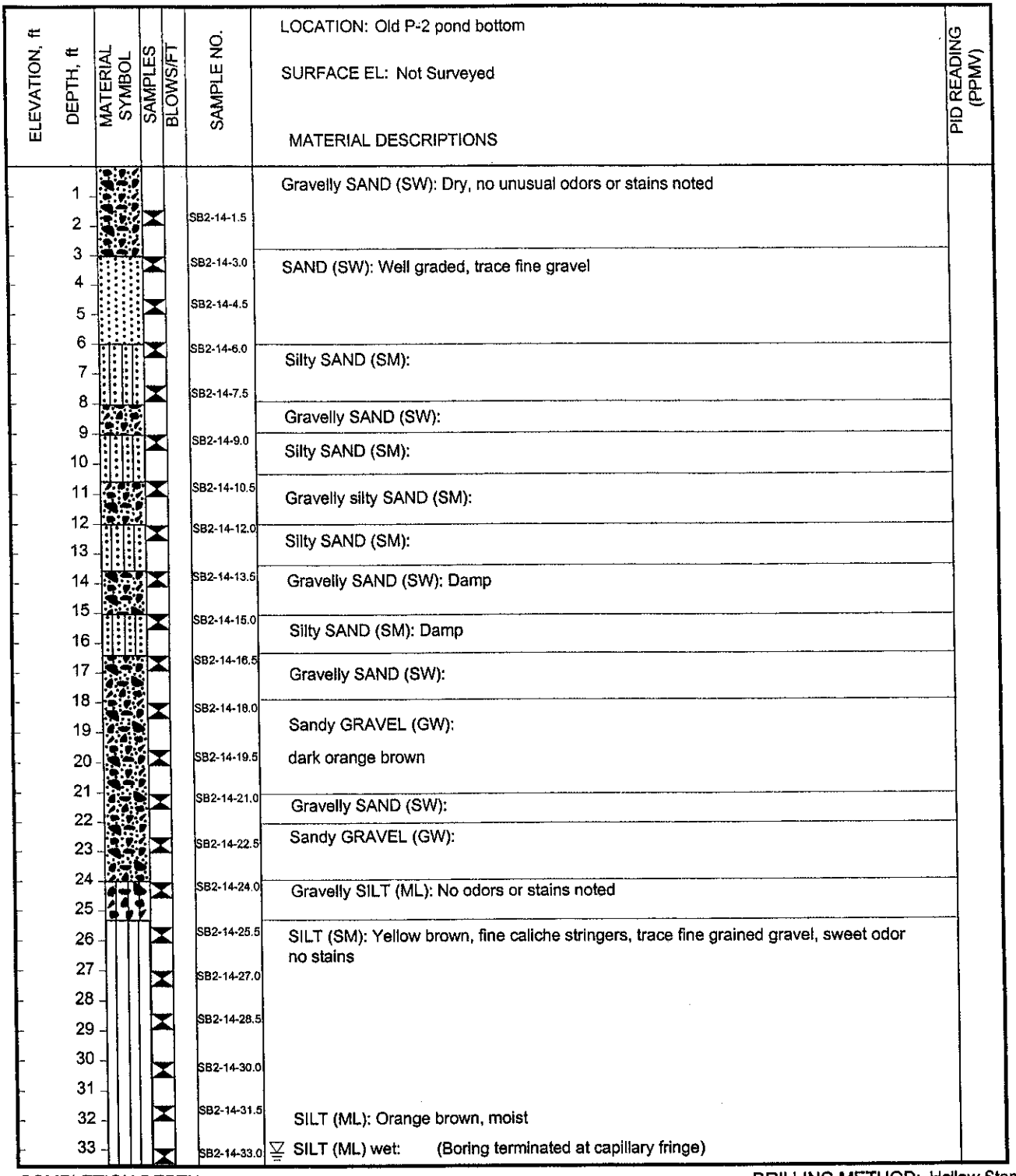
DRILLING METHOD: Hollow Stem
DRILLED BY: Gregg Drilling
LOGGED BY: DJ. Poehls
CHECKED BY: D. Gerry

The log and data presented are a simplification of actual condition encountered at the time of probing at the probed locations. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF SOIL BORING SB5-7
Kerr-McGee Chemical LLC
Henderson, Nevada Facility

G:\DWG\4020\004\SB5-7A

March 1999
Project No. 4020-004-260



COMPLETION DEPTH: 33.5 Ft.
DEPTH TO WATER
First Encountered (▽): 33.0 ft.
At End of Drilling (▼): None
BACKFILLED WITH: Bentonite Chips
DRILLING DATE: March 30, 1999

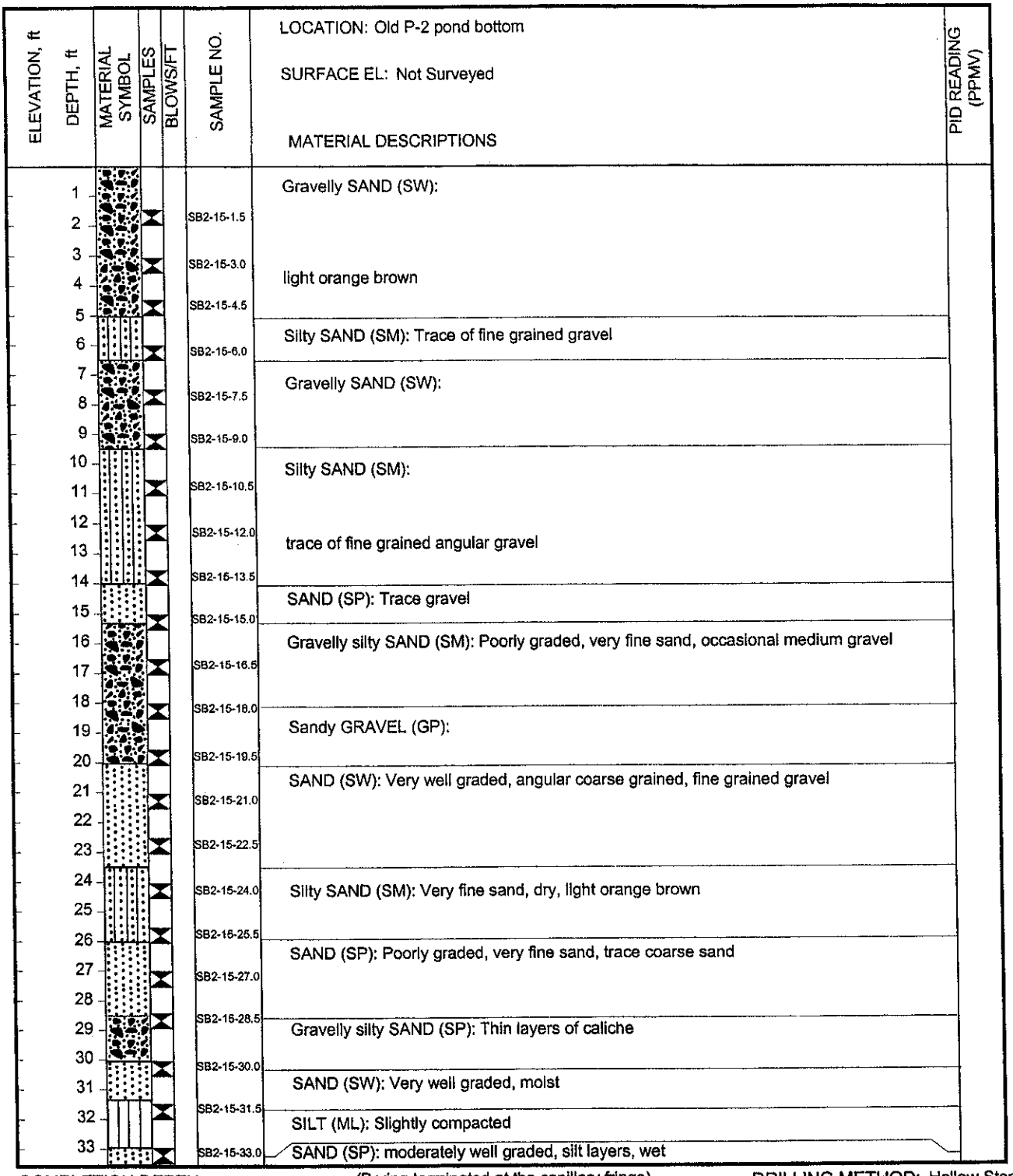
DRILLING METHOD: Hollow Stem
DRILLED BY: Gregg Drilling
LOGGED BY: DJ. Poehls
CHECKED BY: D. Gerry

The log and data presented are a simplification of actual condition encountered at the time of probing at the probed locations. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF SOIL BORING SB2-14
Kerr-McGee Chemical LLC
Henderson, Nevada Facility

G:\DWG\4020\004\SB2-14

March 1999
Project No. 4020-004-260



COMPLETION DEPTH: 33.5 Ft. (Boring terminated at the capillary fringe)

DEPTH TO WATER
First Encountered (▽): None
At End of Drilling (▼): None

BACKFILLED WITH: Bentonite Chips
DRILLING DATE: March 30, 1999

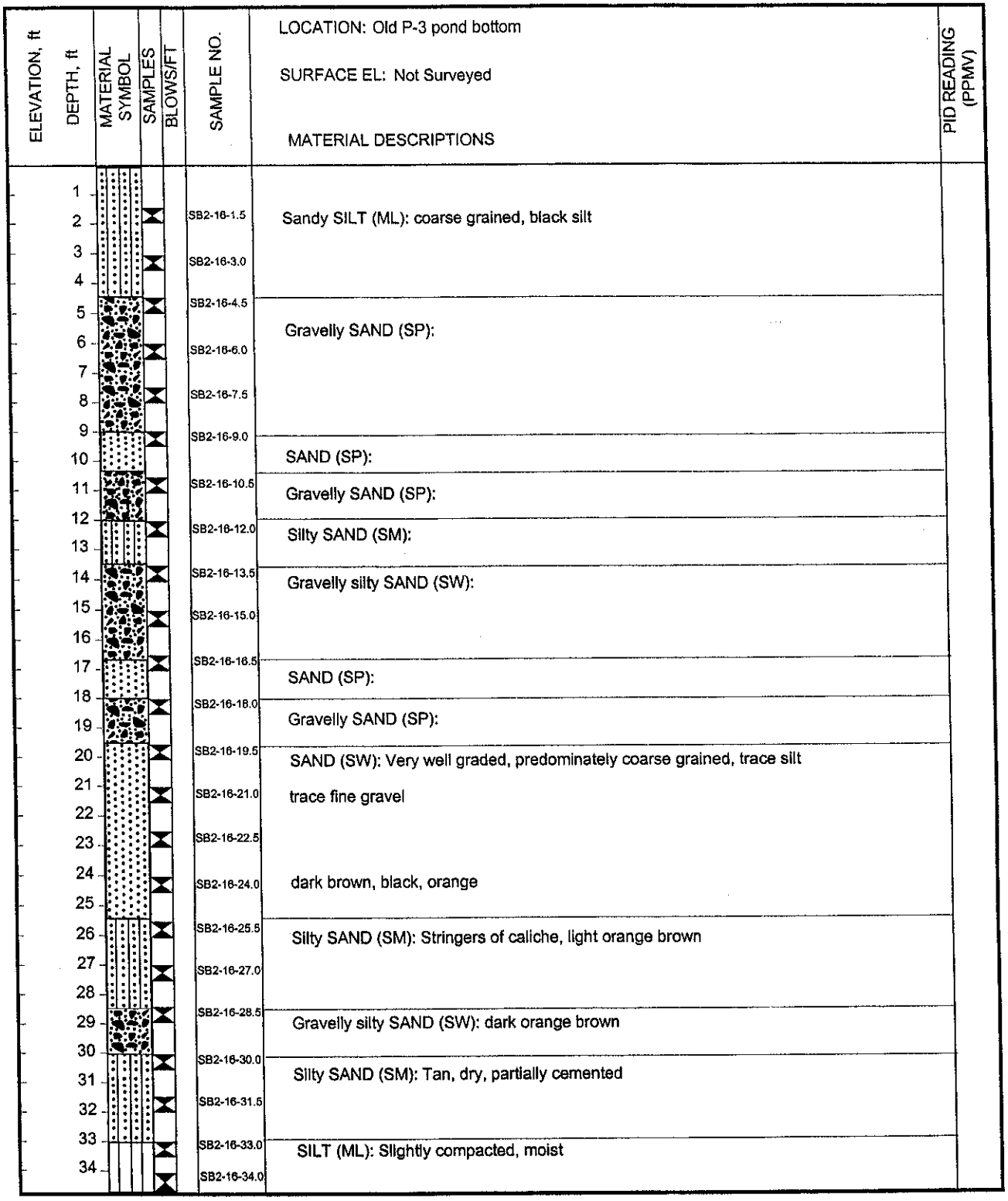
DRILLING METHOD: Hollow Stem
DRILLED BY: Gregg Drilling
LOGGED BY: DJ. Poehls
CHECKED BY: D. Gerry

The log and data presented are a simplification of actual condition encountered at the time of probing at the probed locations. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF SOIL BORING SB2-15
Kerr-McGee Chemical LLC
Henderson, Nevada Facility

G:\DWG\4020\004\SB2-15

March 1999
Project No. 4020-004-260



COMPLETION DEPTH: 34.5 Ft.
DEPTH TO WATER
First Encountered (▽): None
At End of Drilling (▼): None
BACKFILLED WITH: Bentonite Chips
DRILLING DATE: March 30, 1999

(Boring terminated at the capillary fringe)

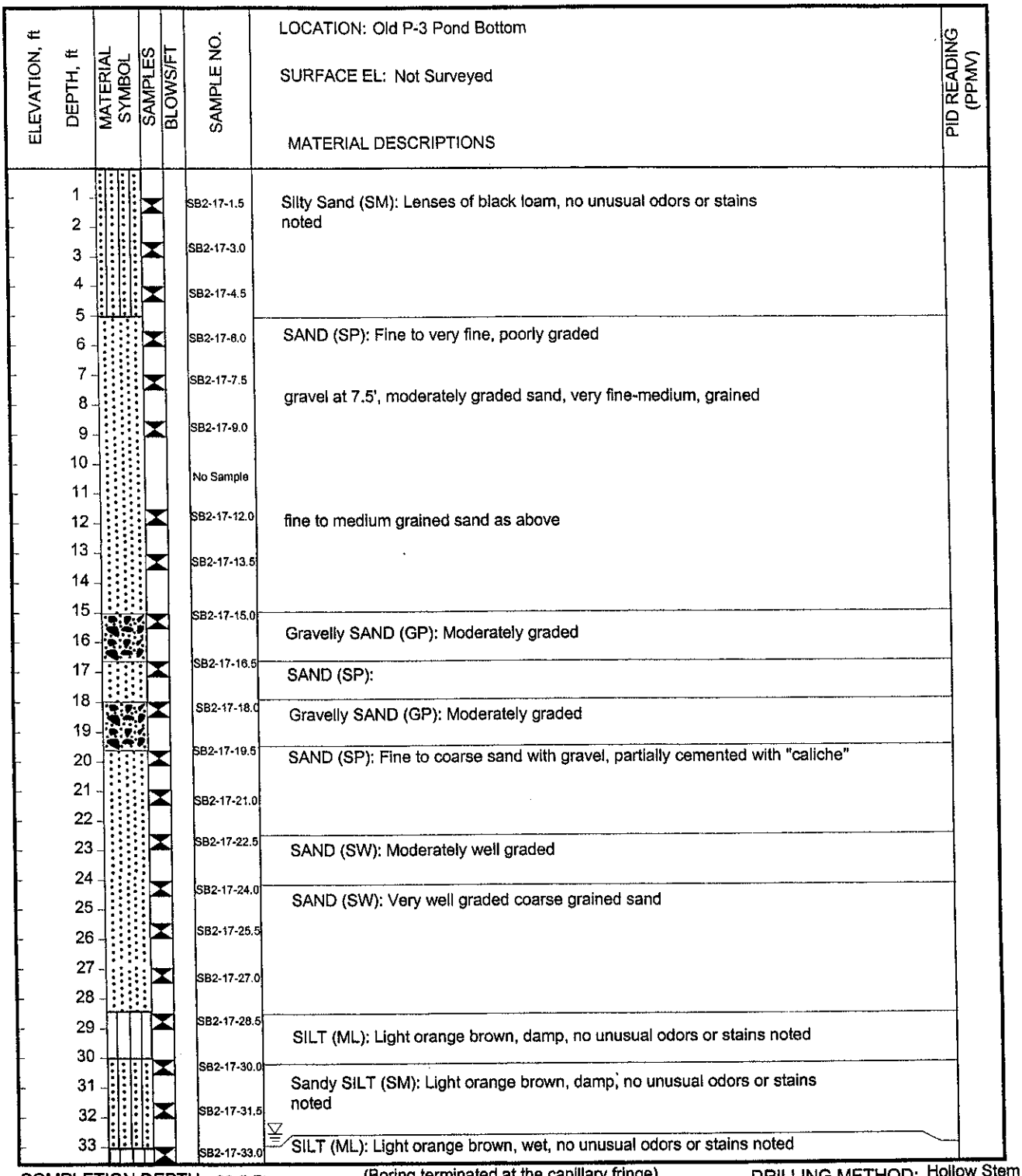
DRILLING METHOD: Hollow Stem
DRILLED BY: Gregg Drilling
LOGGED BY: DJ. Poehls
CHECKED BY: D. Gerry

The log and data presented are a simplification of actual condition encountered at the time of probing at the probed locations. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF SOIL BORING SB2-16
Kerr-McGee Chemical LLC
Henderson, Nevada Facility

G:\DWG\4020004\SB2-16

March 1999
Project No. 4020-004-260



(Boring terminated at the capillary fringe)

COMPLETION DEPTH: 33.5 Ft.
DEPTH TO WATER
First Encountered (▽): 33.0 ft.
At End of Drilling (▼): None
BACKFILLED WITH: Bentonite Chips
DRILLING DATE: March 30, 1999

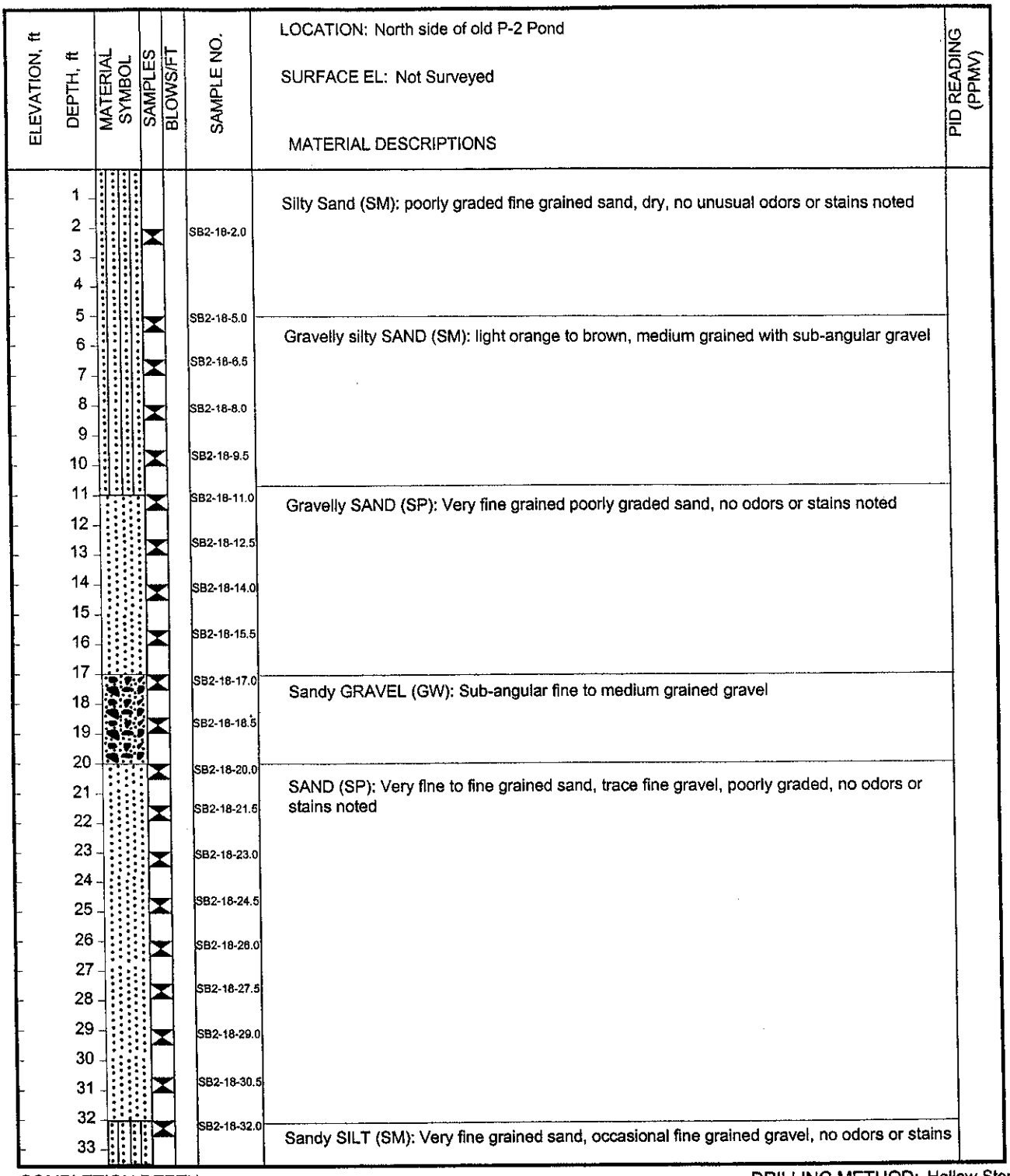
DRILLING METHOD: Hollow Stem
DRILLED BY: Gregg Drilling
LOGGED BY: DJ. Poehls
CHECKED BY: D. Gerry

The log and data presented are a simplification of actual condition encountered at the time of probing at the probed locations. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF SOIL BORING SB2-17
Kerr-McGee Chemical LLC
Henderson, Nevada Facility

G:\DWG\4020\004\SB2-17

March 1999
Project No. 4020-004-260



COMPLETION DEPTH: 43.0 ft.
DEPTH TO WATER
First Encountered (▽): 43.0 ft.
At End of Drilling (▼): None
BACKFILLED WITH: Bentonite Chips
DRILLING DATE: March 31, 1999

DRILLING METHOD: Hollow Stem
DRILLED BY: Gregg Drilling
LOGGED BY: DJ. Poehls
CHECKED BY: D. Gerry

The log and data presented are a simplification of actual condition encountered at the time of probing at the probed locations. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF SOIL BORING SB2-18
Kerr-McGee Chemical LLC
Henderson, Nevada Facility

G:\DWG\4020\004\SB2-18

March 1999
Project No. 4020-004-260

LOCATION: North Side of old P-2 Pond

SURFACE EL: Not Surveyed

ELEVATION, ft / DEPTH, ft	MATERIAL SYMBOL	SAMPLES	BLOWS/FT	SAMPLE NO.	MATERIAL DESCRIPTIONS	PID READING (PPMV)
35					SILT (ML):	
36						
37				SB2-18-36.5	SAND (SP): Coarse grained sand, mottled black, brown and orange	
38				SB2-18-38.0	Silty SAND (SM): Light tan, partly cemented caliche	
39						
40				SB2-18-39.5	SILT (ML): With laminations of fine sand	
41				SB2-18-41.0		
42						
43				SB2-18-42.5	▽ Sandy SILT (SM): Orange brown, very fine grained sand, wet	
44					Boring terminated at the capillary fringe	
45						
46						
47						
48						
49						
50						
51						
52						
53						
54						
55						
56						
57						
58						
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67						

COMPLETION DEPTH: 43.0 ft.
DEPTH TO WATER
First Encountered (▽): 43.0 ft.
At End of Drilling (▼): None
BACKFILLED WITH: Bentonite Chips
DRILLING DATE: March 31, 1999

DRILLING METHOD: Hollow Stem
DRILLED BY: Gregg Drilling
LOGGED BY: DJ. Poehls
CHECKED BY: D. Gerry

The log and data presented are a simplification of actual condition encountered at the time of probing at the probed locations. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF SOIL BORING SB2-18
Kerr-McGee Chemical LLC
Henderson, Nevada Facility

G:\DWG\4020\0041SB2-18

March 1999
Project No. 4020-004-260

ELEVATION, ft / DEPTH, ft	MATERIAL SYMBOL	SAMPLES	BLOWS/FT	SAMPLE NO.	LOCATION: East berm of old P-2 Pond SURFACE EL: Not Surveyed MATERIAL DESCRIPTIONS	PID READING (PPMV)
1					Silty SAND (SC): Mixture of sand, silt and clay with organic matter (loam), black, dry, fibrous, soft, no unusual odors or stains noted	
2				SB2-19-2.0		
3						
4						
5				SB2-19-5.0	as above, more consolidated	
6						
7				SB2-19-6.5		
8				SB2-19-8.0		
9					Gravelly SAND (GP): Medium orange brown, dry, poorly graded, no odors or stains noted	
10				SB2-19-9.5		
11				SB2-19-11.0	SAND (SP): Dark brown (loam) with dark orange brown sand, no odors or stains noted	
12						
13				SB2-19-12.5	Silty SAND (SM): Trace inclusions of caliche, no odors or stains noted	
14				SB2-19-14.0	Gravelly SAND to Sandy GRAVEL (SP-GP): Very dense, medium to grained sub-angular gravel, no odors or stains	
15						
16				SB2-19-15.5		
17				SB2-19-17.0	Silty gravelly SAND (SM): Very dense, poorly graded fine to medium grained sand	
18						
19				SB2-19-18.5		
20				SB2-19-20.0		
21						
22				SB2-19-21.5	Silty sandy GRAVEL (GM): Fine to medium grained gravel, well graded sand	
23				SB2-19-23.0		
24						
25				SB2-19-24.5	Gravelly silty SAND (SM): Very dense	
26				SB2-19-26.0	Silty GRAVEL (GM): very dense, Fine to medium grained gravel	
27					Gravelly SAND (SW): Well graded sand	
28				SB2-19-27.5		
29				SB2-19-29.0	SAND (SW): well graded	
30						
31				SB2-19-30.5	Gravelly SAND with silt (SM)): moderately graded very fine to medium grained sand, fine gravel	
32				SB2-19-32.0		
33					Silty SAND (SM): Fine grained sand, very poorly graded, no unusual odors or stains	

COMPLETION DEPTH: 43.0 ft.
DEPTH TO WATER
First Encountered (▽): None
At End of Drilling (▼): None
BACKFILLED WITH: Bentonite Chips
DRILLING DATE: March 31, 1999

DRILLING METHOD: Hollow Stem
DRILLED BY: Gregg Drilling
LOGGED BY: DJ. Poehls
CHECKED BY: D. Gerry

The log and data presented are a simplification of actual condition encountered at the time of probing at the probed locations. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF SOIL BORING SB2-19
Kerr-McGee Chemical LLC
Henderson, Nevada Facility

G:\DWG\4020\004\SB2-19

March 1999
Project No. 4020-004-260

LOCATION: East berm of old P-2 Pond

SURFACE EL: Not Surveyed

ELEVATION, ft	DEPTH, ft	MATERIAL SYMBOL	SAMPLES	BLOWS/FT	SAMPLE NO.	MATERIAL DESCRIPTIONS	PID READING (PPMV)
	35				SB2-19-35.0	Silty SAND (SM): Very poorly graded, fine grained sand	
	36					SAND (SP): Poorly graded fine sand, layers partly cemented with caliche	
	37				SB2-19-36.5	Silty SAND (SM): Very poorly graded, fine grained sand	
	38				SB2-19-38.0		
	39						
	40				SB2-19-39.5	SILT (ML): With trace clay and occasional coarse grained sand (SP) , moist	
	41				SB2-19-41.0		
	42					Clayey SILT (ML): with trace of sub-rounded medium grained gravel, moist to wet	
	43				SB2-19-42.5		
	44					Boring terminated at the capillary fringe - 43.0 ft.	
	45						
	46						
	47						
	48						
	49						
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	62						
	63						
	64						
	65						
	66						
	67						

COMPLETION DEPTH: 43.0 ft.

DEPTH TO WATER

First Encountered (▽): None

At End of Drilling (▼): None

BACKFILLED WITH: Bentonite Chips

DRILLING DATE: March 31, 1999

DRILLING METHOD: Hollow Stem

DRILLED BY: Gregg Drilling

LOGGED BY: DJ. Poehls

CHECKED BY: D. Gerry

The log and data presented are a simplification of actual condition encountered at the time of probing at the probed locations. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF SOIL BORING SB2-19
Kerr-McGee Chemical LLC
Henderson, Nevada Facility

G:\DWG\4020\004\SB2-19A

March 1999
Project No. 4020-004-260

ELEVATION, ft / DEPTH, ft	MATERIAL SYMBOL	SAMPLES	BLOWS/FT	SAMPLE NO.	LOCATION: North berm of former P-3 Pond SURFACE EL: Not Surveyed MATERIAL DESCRIPTIONS	PID READING (PPMV)
1					Hand Augered to 5', No samples collected	
2						
3						
4						
5				SB2-20-5.0	Silty SAND (SM):	
6						
7				SB2-20-7.0	Gravelly SAND (SP):	
8						
9						
10				SB2-20-9.5	Silty SAND (SM): Very fine grained, very poorly graded	
11				SB2-20-11.0	Gravelly SAND (SP):	
12						
13				SB2-20-12.5	SAND (SP):	
14				SB2-20-14.0	occasional gravel	
15						
16				SB2-20-15.5		
17				SB2-20-17.0		
18						
19				SB2-20-18.5	silty sand with trace gravel	
20				SB2-20-20.0		
21						
22				SB2-20-21.5		
23				SB2-20-23.0	occasional to trace gravel	
24						
25				SB2-20-24.5	Gravelly SAND (SP): With trace silt:	
26				SB2-20-26.0	Silty SAND (SW): With occasional fine grained gravel	
27						
28				SB2-20-27.5	Gravelly SAND (SP): Trace silt, very well graded sand, occasional sub-angular gravel	
29				SB2-20-29.0		
30						
31				SB2-20-30.5	SAND (SW): Very well graded	
32				SB2-20-32.0	Gravelly SAND (SW): Very well graded sand as above, fine grained gravel, black, brown to orange:	
33						

COMPLETION DEPTH: 41.5 ft.
DEPTH TO WATER
First Encountered (▽): None
At End of Drilling (▼): None
BACKFILLED WITH: Bentonite Chips
DRILLING DATE: March 31, 1999

DRILLING METHOD: Hollow Stem
DRILLED BY: Gregg Drilling
LOGGED BY: DJ. Poehls
CHECKED BY: D. Gerry

The log and data presented are a simplification of actual condition encountered at the time of probing at the probed locations. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF SOIL BORING SB2-20
Kerr-McGee Chemical LLC
Henderson, Nevada Facility

G:\DWG\4020\004\SB2-20

March 1999
Project No. 4020-004-260

LOCATION: North berm of former P-3 Pond

SURFACE EL: Not Surveyed

ELEVATION, ft / DEPTH, ft	MATERIAL SYMBOL	SAMPLES	BLOWS/FT	SAMPLE NO.	MATERIAL DESCRIPTIONS	PID READING (PPMV)
35				SB2-20-35.0	Gravelly SAND (SP-GW): Very well graded sand as above, fine grained gravel, black, brown to orange	
36					SILT (ML): Slightly compacted, orange brown with very fine grained sand	
37				SB2-20-36.5		
38				SB2-20-38.0		
39						
40				SB2-20-39.5		
41				SB2-20-41.0	Clayey SILT (ML): Moist	
42						
43						
44						
45					Boring terminated at the capillary fringe - 41.5 ft.	
46						
47						
48						
49						
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64						
65						
66						
67						

COMPLETION DEPTH: 41.5 ft.
DEPTH TO WATER
First Encountered (▽): None
At End of Drilling (▽): None
BACKFILLED WITH: Bentonite Chips
DRILLING DATE: March 31, 1999

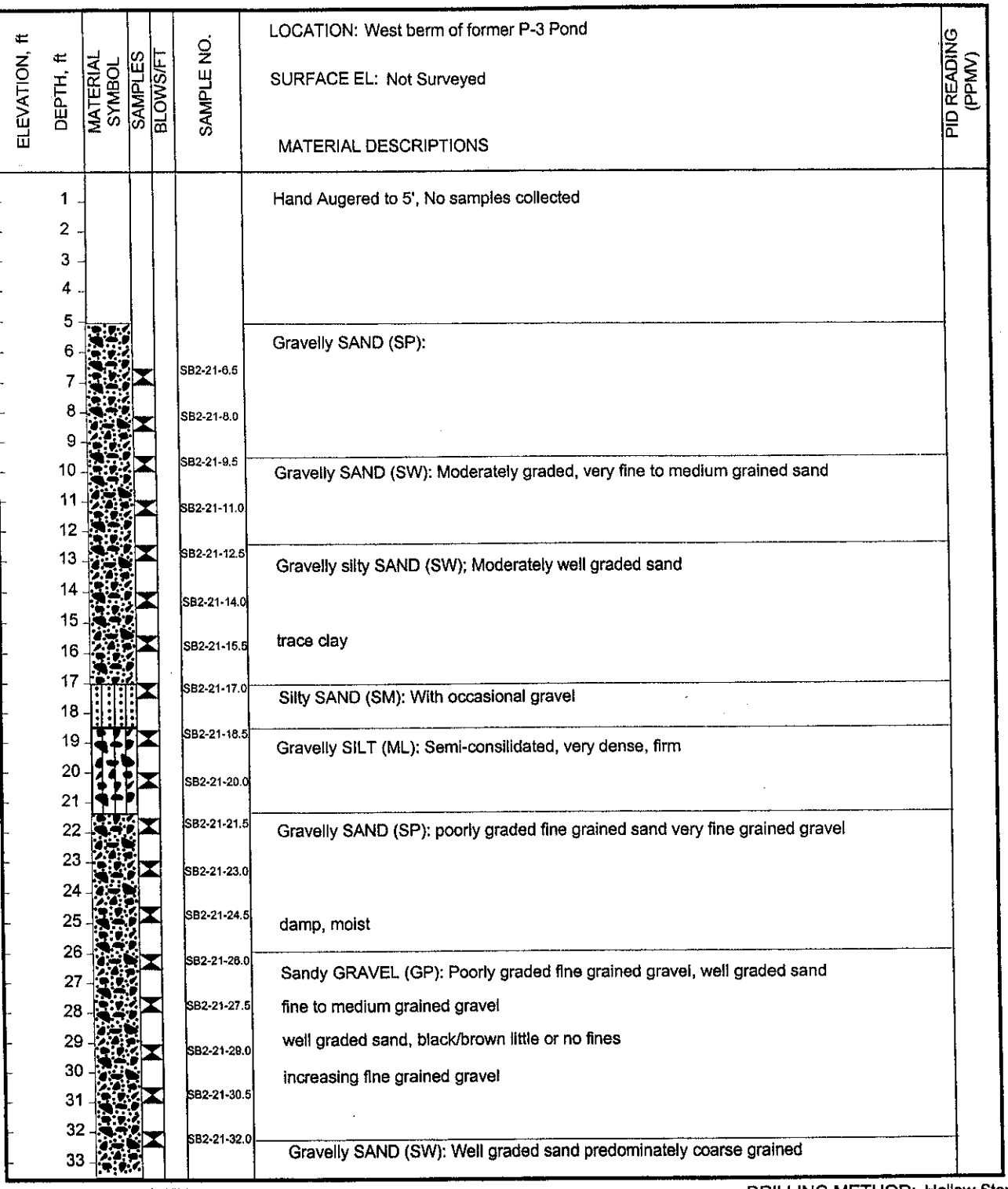
DRILLING METHOD: Hollow Stem
DRILLED BY: Gregg Drilling
LOGGED BY: DJ. Poehls
CHECKED BY: D. Gerry

The log and data presented are a simplification of actual condition encountered at the time of probing at the probed locations. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF SOIL BORING SB2-20
Kerr-McGee Chemical LLC
Henderson, Nevada Facility

G:\DWG\4020\004\SB2-20

March 1999
Project No. 4020-004-260



COMPLETION DEPTH: 43.0 Ft.
DEPTH TO WATER
First Encountered (▽): None
At End of Drilling (▼): None
BACKFILLED WITH: Bentonite Chips
DRILLING DATE: April 1, 1999

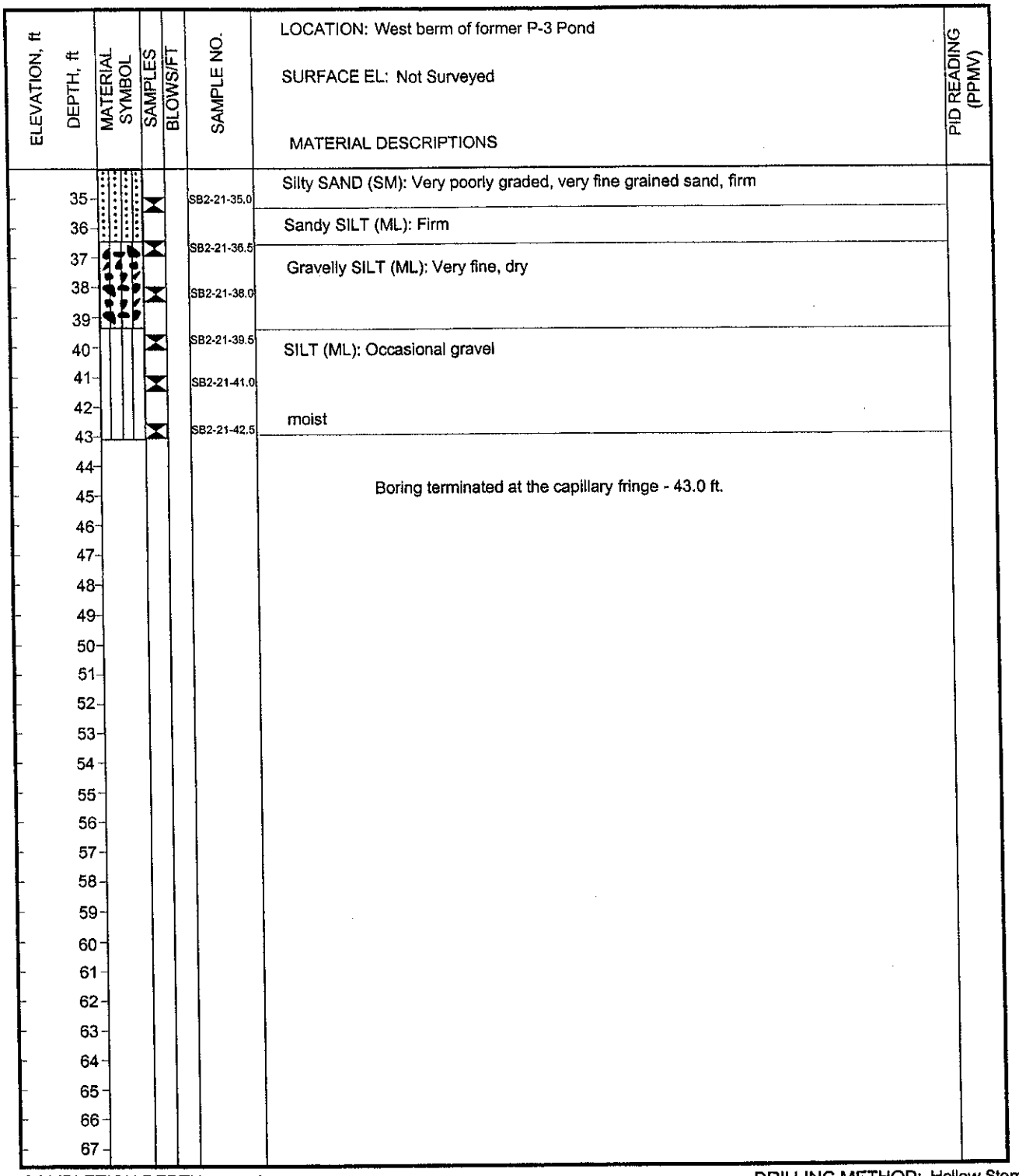
DRILLING METHOD: Hollow Stem
DRILLED BY: Gregg Drilling
LOGGED BY: DJ. Poehls
CHECKED BY: D. Gerry

The log and data presented are a simplification of actual condition encountered at the time of probing at the probed locations. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF SOIL BORING SB2-21
Kerr-McGee Chemical LLC
Henderson, Nevada Facility

G:\DWG\4020\004\SB2-21

March 1999
Project No. 4020-004-260



COMPLETION DEPTH: 43.0 ft.
DEPTH TO WATER
First Encountered (▽): None
At End of Drilling (▼): None
BACKFILLED WITH: Bentonite Chips
DRILLING DATE: April 1, 1999

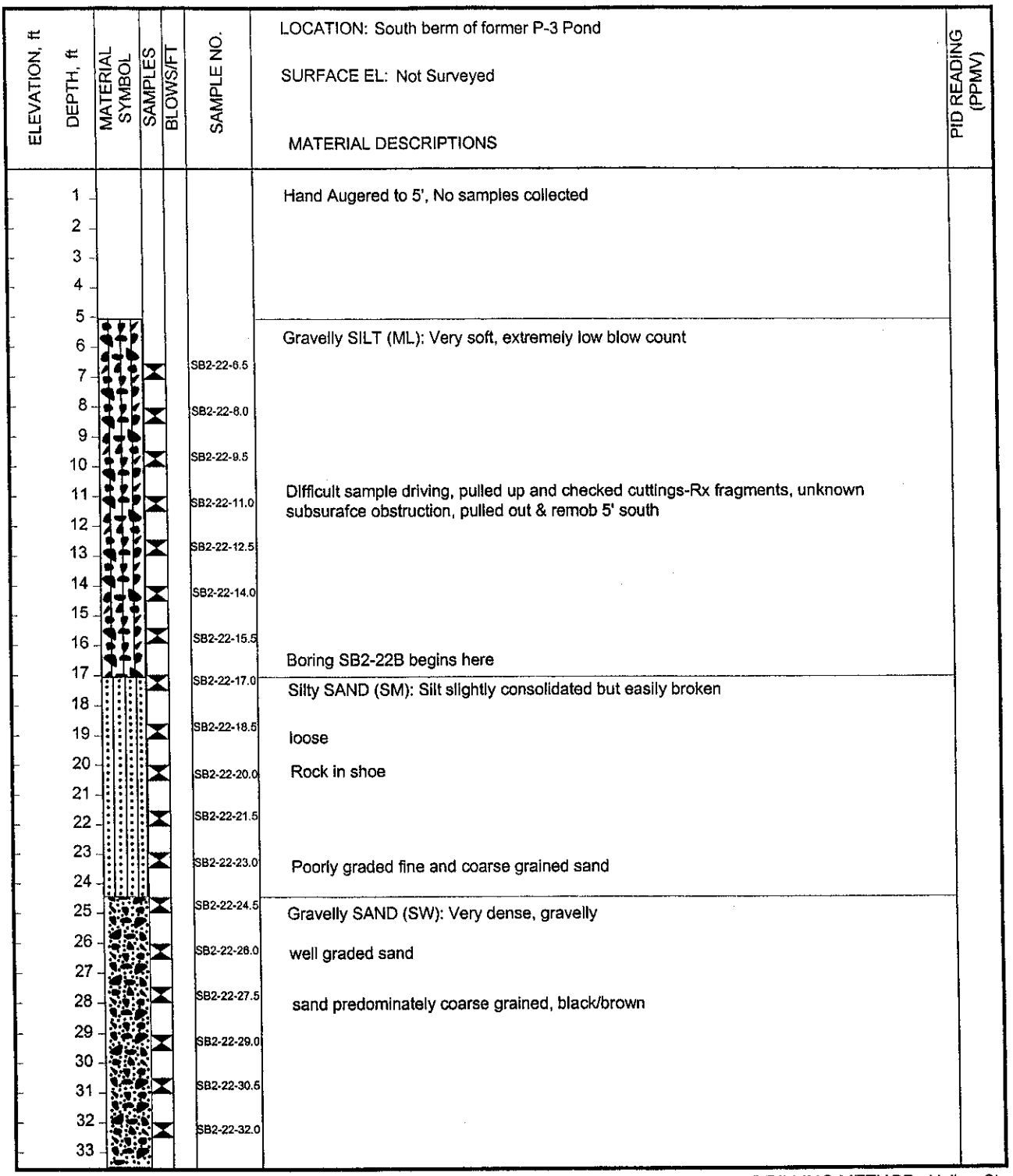
DRILLING METHOD: Hollow Stem
DRILLED BY: Gregg Drilling
LOGGED BY: DJ. Poehls
CHECKED BY: D. Gerry

The log and data presented are a simplification of actual condition encountered at the time of probing at the probed locations. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF SOIL BORING SB2-21
Kerr-McGee Chemical LLC
Henderson, Nevada Facility

G:\DWG\4020\004\SB2-21A

March 1999
Project No. 4020-004-260



COMPLETION DEPTH: 44.5 Ft.
DEPTH TO WATER
First Encountered (▽): 44.0 ft.
At End of Drilling (▼): None
BACKFILLED WITH: Bentonite Chips
DRILLING DATE: April 1, 1999

DRILLING METHOD: Hollow Stem
DRILLED BY: Gregg Drilling
LOGGED BY: DJ. Poehls
CHECKED BY: D. Gerry

The log and data presented are a simplification of actual condition encountered at the time of probing at the probed locations. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF SOIL BORING SB2-22 And SB2-22B
Kerr-McGee Chemical LLC
Henderson, Nevada Facility

G:\DWG\4020\004\SB2-22

LOCATION: South berm of former P-3 Pond

SURFACE EL: Not Surveyed

ELEVATION, ft / DEPTH, ft	MATERIAL SYMBOL	SAMPLES	BLOWS/FT	SAMPLE NO.	MATERIAL DESCRIPTIONS	PID READING (PPMV)
35				SB2-22-35.0	SAND (SW): Very well graded, very dense, non-consolidated, black/brown	
36						
37				SB2-22-36.5	Silty SAND (SM): Dry, very poorly graded, very fine grained sand, firm	
38				SB2-22-38.0	SILT (ML): zones of partial consolidation and zones of clay	
39					caliche stringers	
40				SB2-22-39.5		
41				SB2-22-41.0	trace clay, moist	
42						
43				SB2-22-42.5		
44				SB2-22-44.0 ▽		
45					Boring terminated at the capillary fringe - 44.5 ft.	
46						
47						
48						
49						
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52						
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56						
57						
58						
59						
60						
61						
62						
63						
64						
65						
66						
67						

COMPLETION DEPTH: 44.5 ft.
DEPTH TO WATER
First Encountered (▽): 44.0 ft.
At End of Drilling (▼): None
BACKFILLED WITH: Bentonite Chips
DRILLING DATE: April 1, 1999

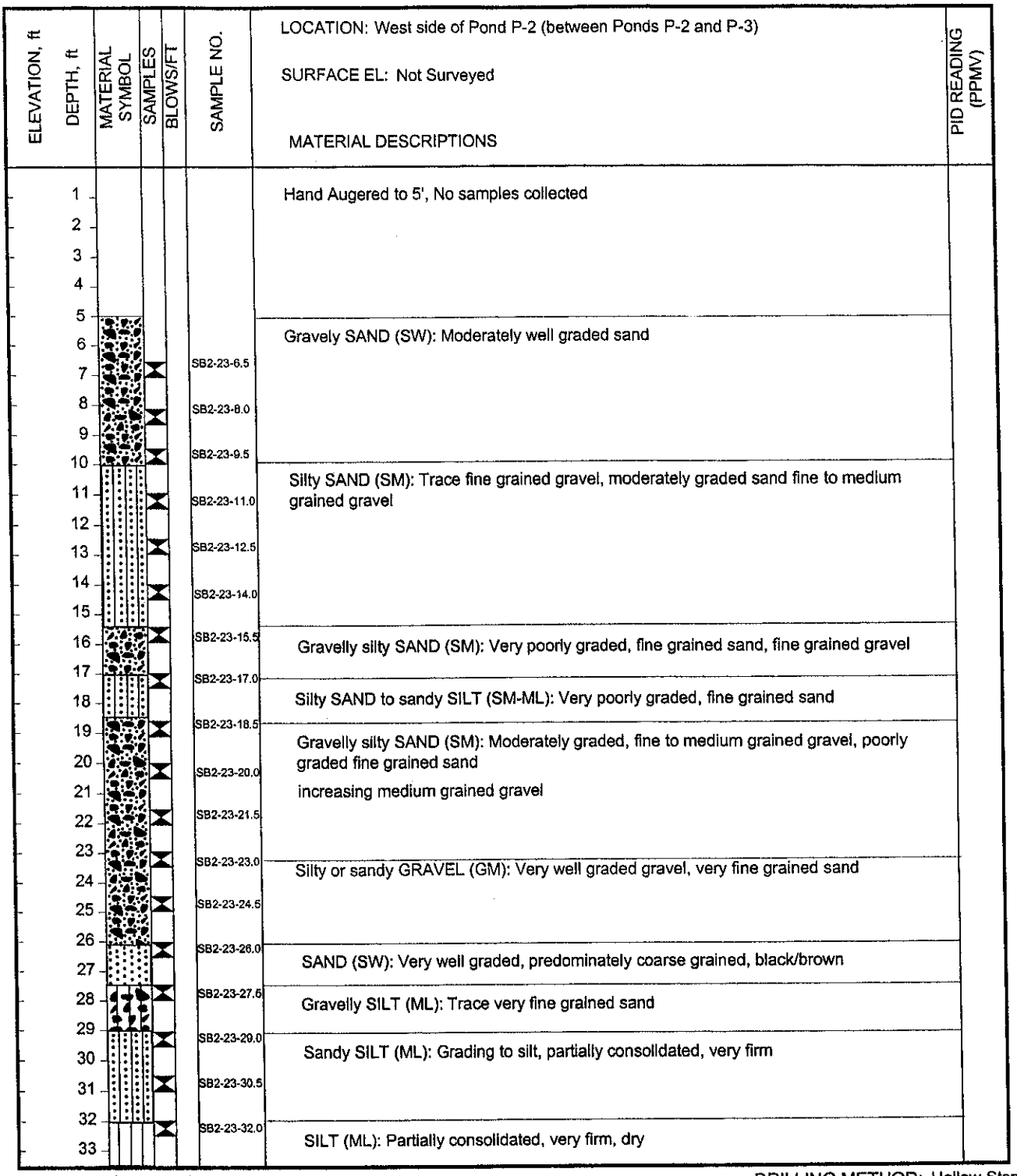
DRILLING METHOD: Hollow Stem
DRILLED BY: Gregg Drilling
LOGGED BY: DJ. Poehls
CHECKED BY: D. Gerry

The log and data presented are a simplification of actual condition encountered at the time of probing at the probed locations. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF SOIL BORING SB2-22 and SB2-22B
Kerr-McGee Chemical LLC
Henderson, Nevada Facility

G:\DWG\4020\004\SB2-22A

March 1999
Project No. 4020-004-260



COMPLETION DEPTH: 42.5 ft.
DEPTH TO WATER
First Encountered (▽): 42.5 ft.
At End of Drilling (▼): None
BACKFILLED WITH: Bentonite Chips
DRILLING DATE: April 1, 1999

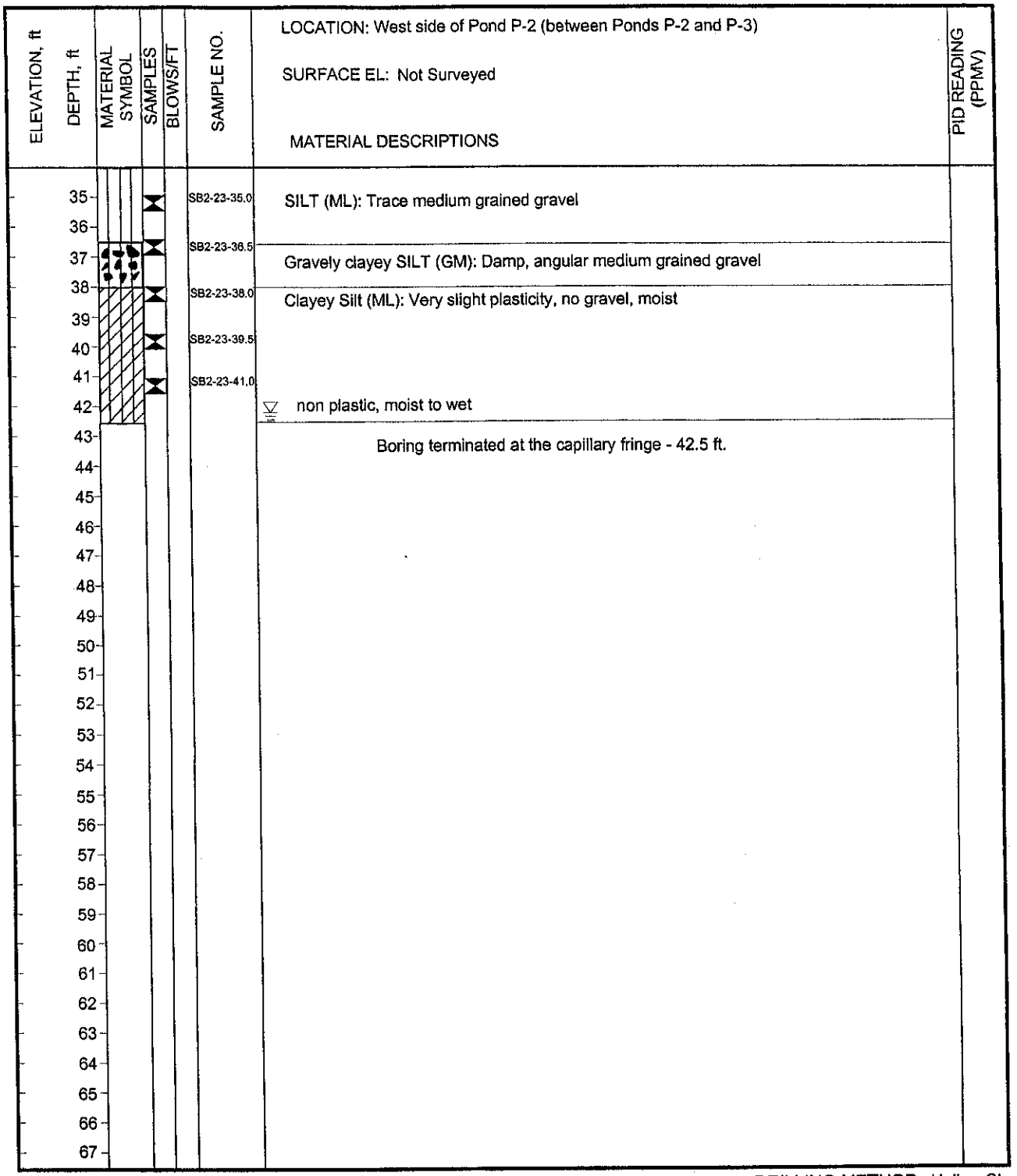
DRILLING METHOD: Hollow Stem
DRILLED BY: Gregg Drilling
LOGGED BY: DJ. Poehls
CHECKED BY: D. Gerry

The log and data presented are a simplification of actual condition encountered at the time of probing at the probed locations. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF SOIL BORING SB2-23
Kerr-McGee Chemical LLC
Henderson, Nevada Facility

G:\DWG\4020\004\SB2-23

March 1999
Project No. 4020-004-260



COMPLETION DEPTH: 42.5 ft.
DEPTH TO WATER
First Encountered (▽): 42.5 ft.
At End of Drilling (▼): None
BACKFILLED WITH: Bentonite Chips
DRILLING DATE: April 1, 1999

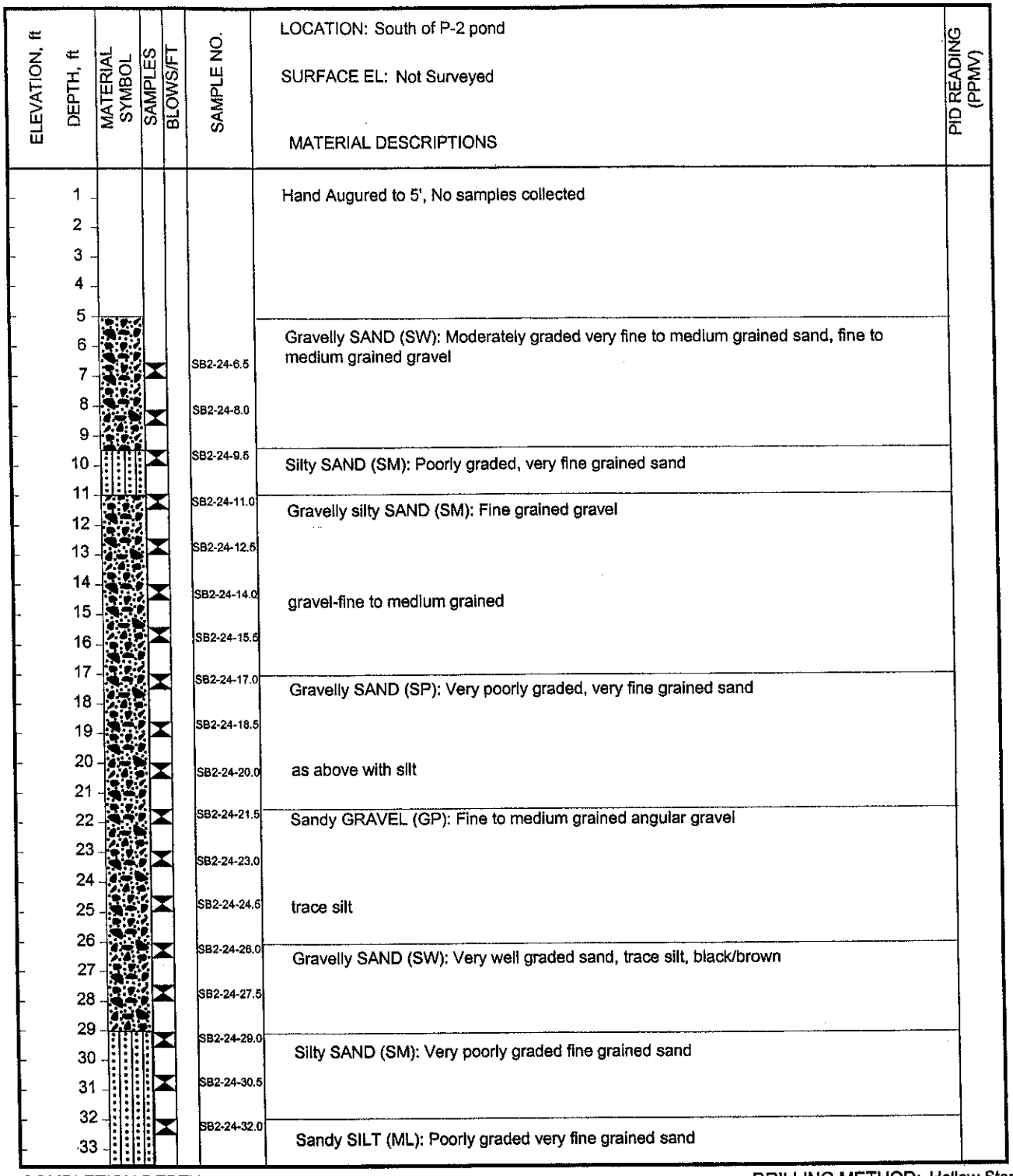
DRILLING METHOD: Hollow Stem
DRILLED BY: Gregg Drilling
LOGGED BY: DJ. Poehls
CHECKED BY: D. Gerry

The log and data presented are a simplification of actual condition encountered at the time of probing at the probed locations. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF SOIL BORING SB2-23
Kerr-McGee Chemical LLC
Henderson, Nevada Facility

G:\DWG\4020\004\SB2-23c

March 1999
Project No. 4020-004-260



COMPLETION DEPTH: 42.5 ft.
DEPTH TO WATER
First Encountered (▽): 42.5 ft.
At End of Drilling (▼): None
BACKFILLED WITH: Bentonite Chips
DRILLING DATE: April 1, 1999

DRILLING METHOD: Hollow Stem
DRILLED BY: Gregg Drilling
LOGGED BY: DJ. Poehls
CHECKED BY: D. Gerry

The log and data presented are a simplification of actual condition encountered at the time of probing at the probed locations. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF SOIL BORING SB2-24
Kerr-McGee Chemical LLC
Henderson, Nevada Facility

G:\DWG\4020\004\SB2-24

March 1999
Project No. 4020-004-260

LOCATION: South of P-2 Pond

SURFACE EL: Not Surveyed

ELEVATION, ft / DEPTH, ft	MATERIAL SYMBOL	SAMPLES	BLOWS/FT	SAMPLE NO.	MATERIAL DESCRIPTIONS	PID READING (PPMV)
35				SB2-24-35.0	Gravelly SILT (ML):	
36						
37				SB2-24-36.5		
38				SB2-24-38.0	Sandy SILT (ML): Layered caliche, very poorly graded, very fine sand, wet	
39						
40				SB2-24-39.5		
41				SB2-24-41.0	SILT (ML): Trace clay, holds water	
42					▽	
43					Boring terminated at the capillary fringe - 42.5 ft.	
44						
45						
46						
47						
48						
49						
50						
51						
52						
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67						

COMPLETION DEPTH: 42.5 ft.
DEPTH TO WATER
First Encountered (▽): 42.5 ft.
At End of Drilling (▼): None
BACKFILLED WITH: Bentonite Chips
DRILLING DATE: April 1, 1999

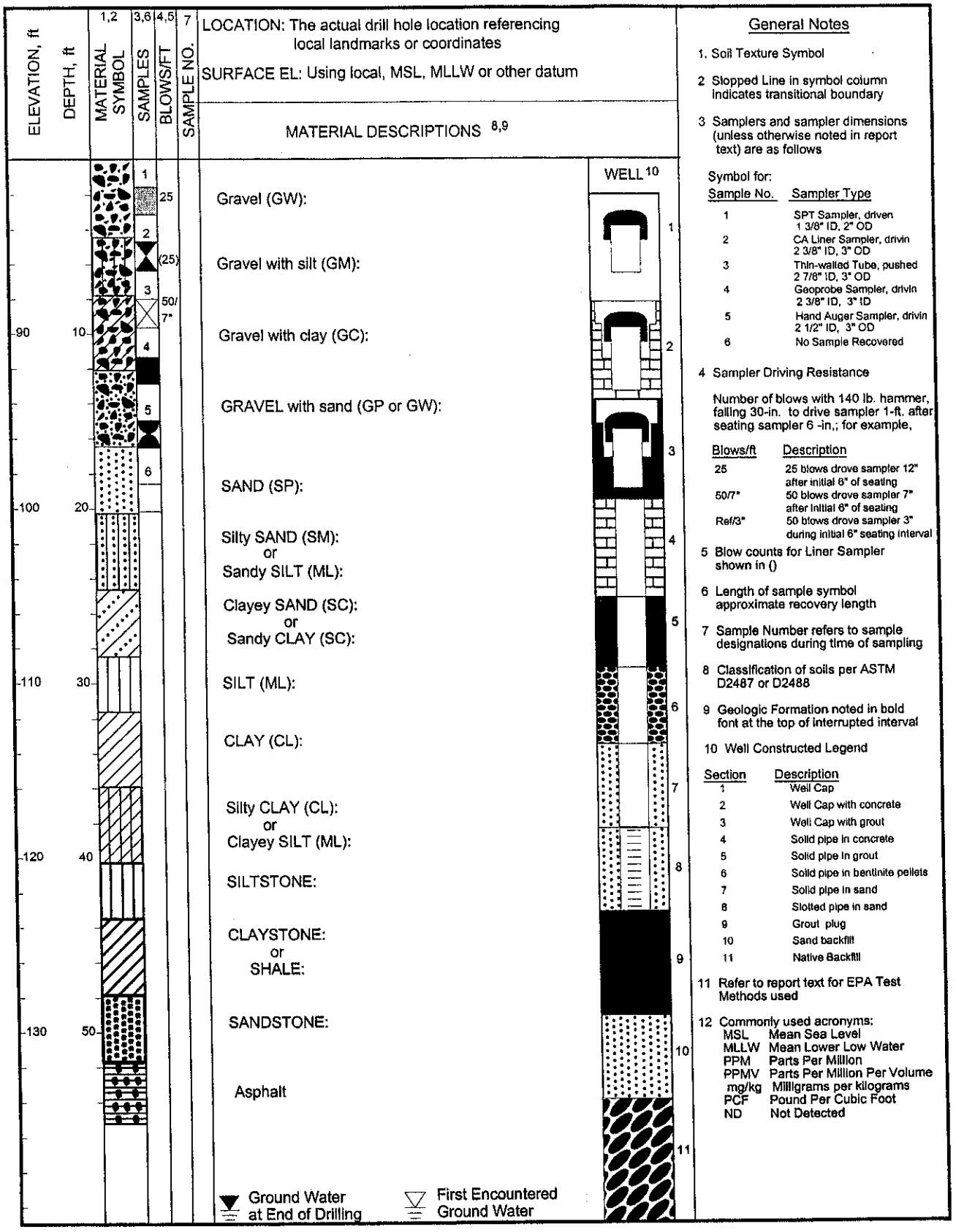
DRILLING METHOD: Hollow Stem
DRILLED BY: Gregg Drilling
LOGGED BY: DJ. Poehls
CHECKED BY: D. Gerry

The log and data presented are a simplification of actual condition encountered at the time of probing at the probed locations. Subsurface conditions may differ at other locations and with the passage of time.

LOG OF SOIL BORING SB2-24
Kerr-McGee Chemical LLC
Henderson, Nevada Facility

G:\DWG\4020\004\SB2-24A

March 1999
Project No.: 4020-004-260



General Notes

1. Soil Texture Symbol

2 Slopped Line in symbol column indicates transitional boundary

3 Samplers and sampler dimensions (unless otherwise noted in report text) are as follows

Symbol for:

Sample No.	Sampler Type
1	SPT Sampler, driven 1 3/8" ID, 2" OD
2	CA Liner Sampler, drivin 2 3/8" ID, 3" OD
3	Thin-walled Tube, pushed 2 7/8" ID, 3" OD
4	Geoprobe Sampler, drivin 2 3/8" ID, 3" ID
5	Hand Auger Sampler, drivin 2 1/2" ID, 3" OD
6	No Sample Recovered

4 Sampler Driving Resistance

Number of blows with 140 lb. hammer, falling 30-in. to drive sampler 1-ft. after seating sampler 6 -in,; for example,

Blows/ft	Description
25	25 blows drove sampler 12" after initial 6" of seating
50/7"	50 blows drove sampler 7" after initial 6" of seating
Ref/3"	50 blows drove sampler 3" during initial 6" seating interval

5 Blow counts for Liner Sampler shown in ()

6 Length of sample symbol approximate recovery length

7 Sample Number refers to sample designations during time of sampling

8 Classification of soils per ASTM D2487 or D2488

9 Geologic Formation noted in bold font at the top of interrupted interval

10 Well Constructed Legend

Section	Description
1	Well Cap
2	Well Cap with concrete
3	Well Cap with grout
4	Solid pipe in concrete
5	Solid pipe in grout
6	Solid pipe in bentinite pellets
7	Solid pipe in sand
8	Slotted pipe in sand
9	Grout plug
10	Sand backfill
11	Native Backfill

11 Refer to report text for EPA Test Methods used

12 Commonly used acronyms:

MSL	Mean Sea Level
MLLW	Mean Lower Low Water
PPM	Parts Per Million
PPMV	Parts Per Million Per Volume
mg/kg	Milligrams per kilograms
PCF	Pound Per Cubic Foot
ND	Not Detected

G:DWG\4020\004\Key.Dsf

KEY TO TERMS AND SYMBOLS USED ON LOGS

Kerr-McGee Chemical LLC

Henderson, Nevada Facility