

Well Construction Report

Job Name Deseret Power
Job Number 2065
Location Vernal

Well Name FA DG 1
Driller Daniel Dodge
Helper Josh Mathews
Date Installed 5-11-16

Type of Well:

☐ Water Table Observation
☐ Piezometer
☐ Other _____

A. Height of Well Casing above ground
2.5 ft.

B. Diameter of Well Casing
4 in.

C. Surface Seal Bottom
2 ft.

D. Well Casing: Flush Threaded PVC
☒ Schedule 40
☐ Schedule 80
☐ Other _____

E. Bentonite Seal Top 18.2 ft.

F. Fine Sand Top _____ ft.

G. Filter Pack Top 23.4 ft.

H. Screen Joint Top 27.5 ft.

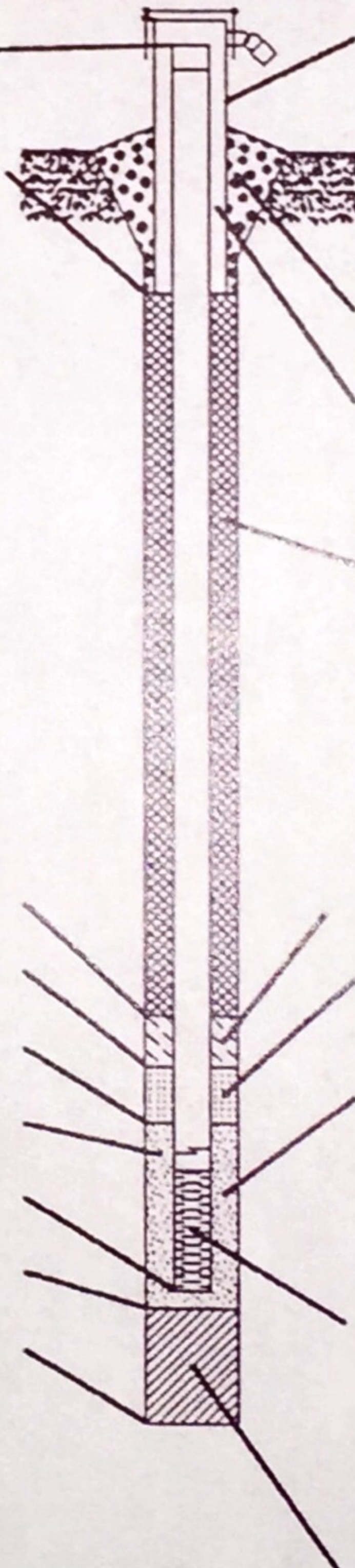
I. Well Bottom 37.5 ft.

J. Filter Pack Bottom 37.5 ft.

K. Borehole Bottom 37.5 ft.



7773 W. Seldon Lane
Peoria, AZ 85345
623-935-0124



1. Locking Cap? ☒ Yes ☐ No

2. Protective Cover: a. Inside diam. 12 in.
b. Length 5 ft.
c. Material ☒ Steel
☐ Other _____
d. Bumper Post _____ qty
_____ 3" _____ 4"

3. Surface Seal: ☐ Bentonite
☒ Concrete
☐ Other _____

4. Material between Casing and Protop:
☒ Bentonite
☒ Other Concrete

5. Annular Space Seal:
☐ Granular Bentonite
☒ Bentonite Slurry
☐ Cement-Bentonite Grout
☐ Other _____

How Installed:
☐ Gravity
☒ Tremie Pumped

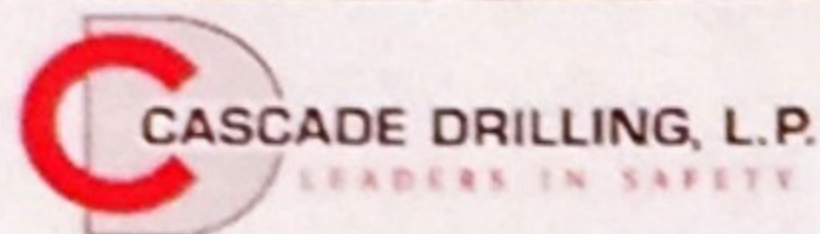
6. Bentonite Seal:
☐ Granules
☒ Pellets

7. Type of Fine Sand: _____

8. Type of Filter Pack: 20x40

9. Screen Material:
Type: ☒ Factory Cut
☐ Continuous Slot
Slot Size: 0.010 in.
Length: 10 ft.

10. Backfill Material: (Below filter pack)
☒ None
☐ Other _____



Well Construction Report

Job Name Deseret Power
Job Number 2065
Location Vernal UT

Well Name FADG - 2
Driller Daniel Dodge
Helper Josh Matthews
Date Installed 5-11-16

Type of Well:

☐ Water Table Observation
☐ Piezometer
☐ Other _____

A. Height of Well Casing above ground
2.5 ft.

B. Diameter of Well Casing
4 in.

C. Surface Seal Bottom
2 ft.

D. Well Casing: Flush Threaded PVC
☒ Schedule 40
☐ Schedule 80
☐ Other _____

E. Bentonite Seal Top 22.6 ft.

F. Fine Sand Top _____ ft.

G. Filter Pack Top 27.7 ft.

H. Screen Joint Top 32 ft.

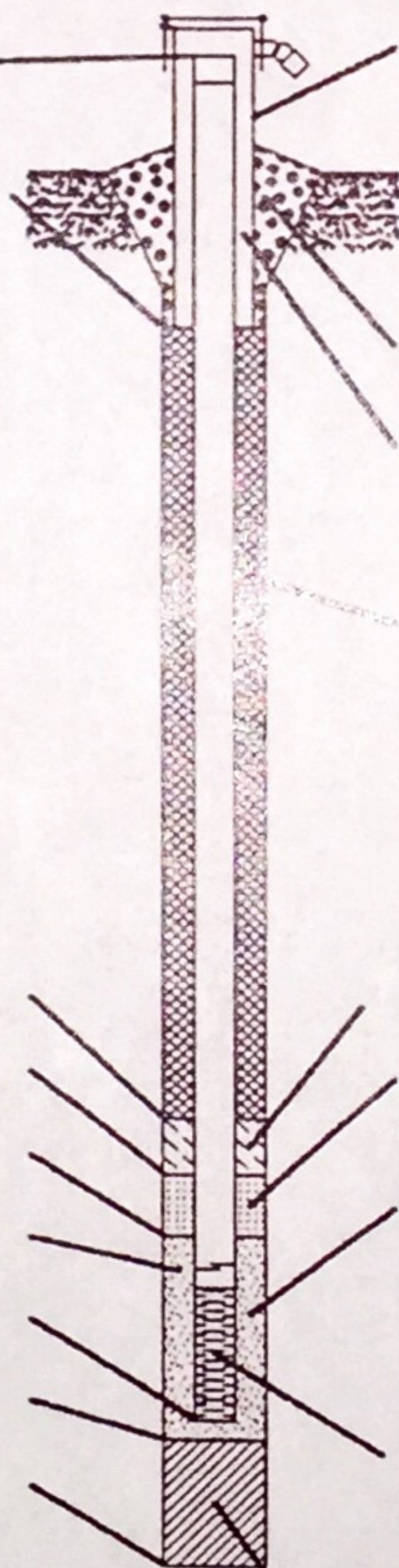
I. Well Bottom 42 ft.

J. Filter Pack Bottom 42 ft.

K. Borehole Bottom 42 ft.



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Peoria, AZ 85345
623-935-0124



1. Locking Cap? ☒ Yes ☐ No

2. Protective Cover: a. Inside diam. 12 in.
b. Length 5 ft.
c. Material ☒ Steel
☐ Other _____
d. Bumper Post _____ qty
_____ 3" _____ 4"

3. Surface Seal: ☐ Bentonite
☒ Concrete
☐ Other _____

4. Material between Casing and Protop:
☒ Bentonite
☒ Other Concrete

5. Annular Space Seal:
☐ Granular Bentonite
☒ Bentonite Slurry
☐ Cement-Bentonite Grout
☐ Other _____

How Installed:
☐ Gravity
☒ Tremie Pumped

6. Bentonite Seal:
☐ Granules
☒ Pellets

7. Type of Fine Sand: _____

8. Type of Filter Pack: 20x40

9. Screen Material:
Type: ☒ Factory Cut
☐ Continuous Slot
Slot Size: 0.010 in.
Length: 10 ft.

10. Backfill Material: (Below filter pack)
☒ None
☐ Other _____



CASCADE DRILLING, L.P.
LEADERS IN SAFETY

Well Construction Report

Job Name Deseret Power
Job Number 2065
Location Vernal UT

Well Name FA DG - 3
Driller Daniel Dodge
Helper Josh Mathews
Date Installed 5-13-16

Type of Well:

- ☐ Water Table Observation
☐ Piezometer
☐ Other _____

A. Height of Well Casing above ground
2.5 ft.

B. Diameter of Well Casing
4 in.

C. Surface Seal Bottom
2 ft.

D. Well Casing: Flush Threaded PVC
☒ Schedule 40
☐ Schedule 80
☐ Other _____

E. Bentonite Seal Top 18.1 ft.

F. Fine Sand Top 18.1 ft.

G. Filter Pack Top 23.4 ft.

H. Screen Joint Top 27.5 ft.

I. Well Bottom 37.5 ft.

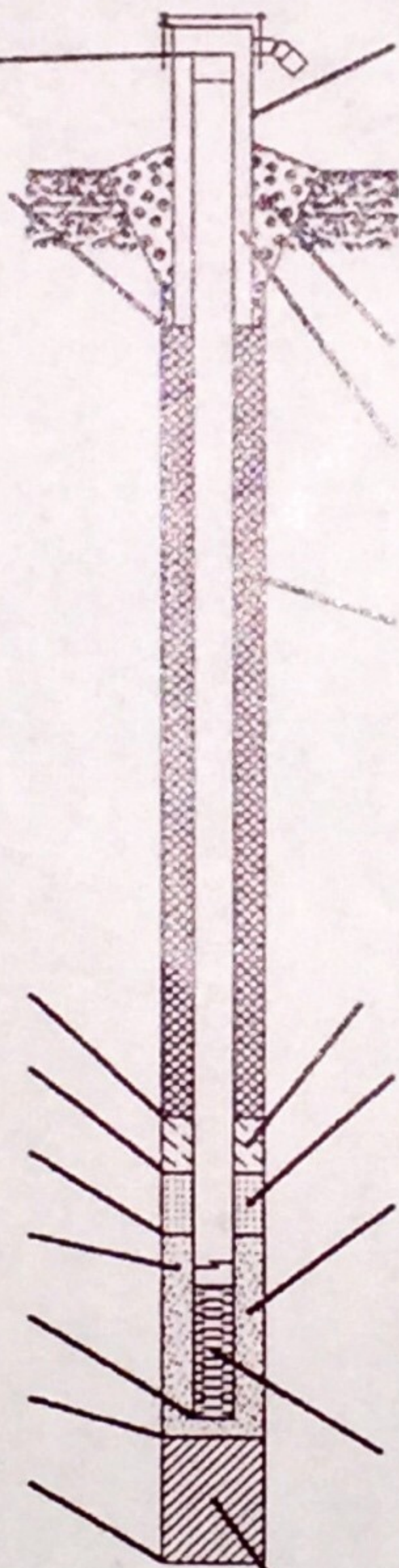
J. Filter Pack Bottom 37.5 ft.

K. Borehole Bottom 37.5 ft.



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7773 W. Seldon Lane
Peoria, AZ 85345
623-935-0124



1. Locking Cap? ☒ Yes ☐ No

2. Protective Cover: a. Inside diam. 12 in.
b. Length 5 ft.
c. Material ☒ Steel
☐ Other _____
d. Bumper Post _____ qty
_____ 3" _____ 4"

3. Surface Seal: ☐ Bentonite
☒ Concrete
☐ Other _____

4. Material between Casing and Protop: ☒ Bentonite
☒ Other concrete

5. Annular Space Seal:
☐ Granular Bentonite
☒ Bentonite Slurry
☐ Cement-Bentonite Grout
☐ Other _____

How Installed:
☐ Gravity
☒ Tremie Pumped

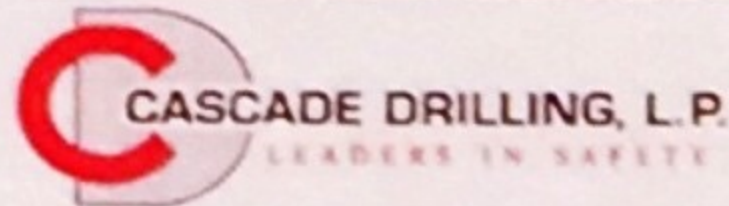
6. Bentonite Seal: ☐ Granules
☒ Pellets

7. Type of Fine Sand: _____

8. Type of Filter Pack: 20x40

9. Screen Material:
Type: ☒ Factory Cut
☐ Continuous Slot
Slot Size: 0.010 in.
Length: 10 ft.

10. Backfill Material: (Below filter pack)
☒ None
☐ Other _____



Well Construction Report

Job Name Deseret Power
Job Number 2065
Location Vernal, UT

Well Name FA DG - 4
Driller Daniel Dodge
Helper Josh Mathews
Date Installed 5-12-16

Type of Well:

☐ Water Table Observation
☐ Piezometer
☐ Other _____

A. Height of Well Casing above ground
2.5 ft.

B. Diameter of Well Casing
4 in.

C. Surface Seal Bottom
2 ft.

D. Well Casing: Flush Threaded PVC
☒ Schedule 40
☐ Schedule 80
☐ Other _____

E. Bentonite Seal Top 22.9 ft.

F. Fine Sand Top _____ ft.

G. Filter Pack Top 27.8 ft.

H. Screen Joint Top 32.5 ft.

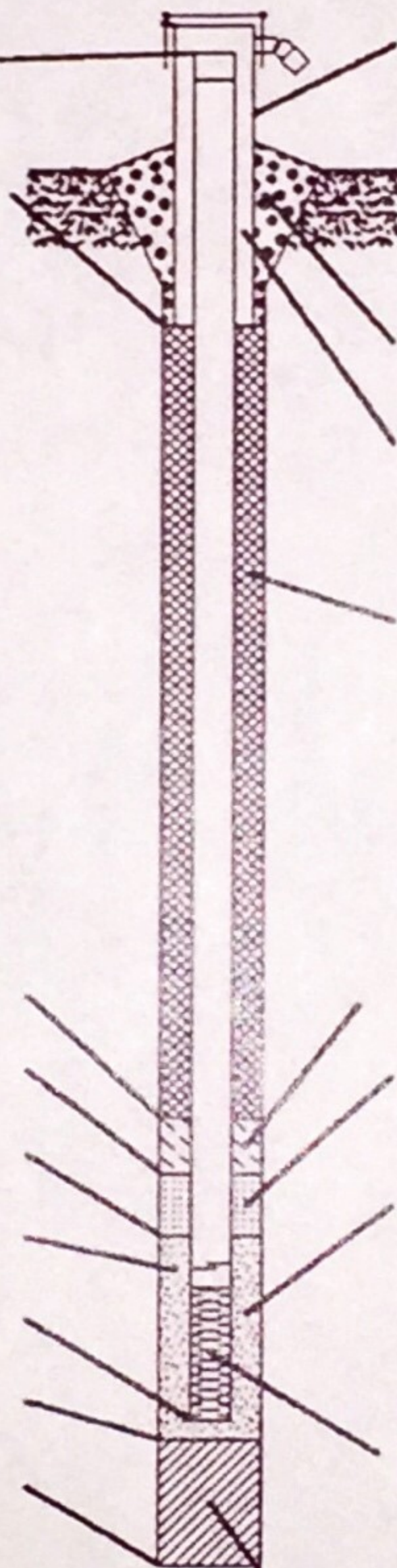
I. Well Bottom 42.5 ft.

J. Filter Pack Bottom 42.5 ft.

K. Borehole Bottom 42.5 ft.



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Peoria, AZ 85345
623-935-0124



1. Locking Cap? ☒ Yes ☐ No

2. Protective Cover: a. Inside diam. 12 in.
b. Length 5 ft.
c. Material ☒ Steel
☐ Other _____
d. Bumper Post _____ qty
_____ 3" _____ 4"

3. Surface Seal: ☐ Bentonite
☒ Concrete
☐ Other _____

4. Material between Casing and Protop:
☒ Bentonite
☒ Other Concrete

5. Annular Space Seal:
☐ Granular Bentonite
☒ Bentonite Slurry
☐ Cement-Bentonite Grout
☐ Other _____

How Installed:
☐ Gravity
☒ Tremie Pumped

6. Bentonite Seal:
☐ Granules
☒ Pellets

7. Type of Fine Sand: _____

8. Type of Filter Pack: 20x40

9. Screen Material:
Type: ☒ Factory Cut
☐ Continuous Slot
Slot Size: 0.010 in.
Length: 10 ft.

10. Backfill Material: (Below filter pack)
☒ None
☐ Other _____



CASCADE DRILLING, L.P.
LEADERS IN SAFETY

Well Construction Report

Job Name Deseret Power
Job Number 2065
Location Vernal, UT

Well Name BA UG - 1
Driller Daniel Dodge
Helper Josh Mathews
Date Installed 5-10-16

Type of Well:

☐ Water Table Observation
☐ Piezometer
☐ Other _____

A. Height of Well Casing above ground
2.5 ft.

B. Diameter of Well Casing
4 in.

C. Surface Seal Bottom
2 ft.

D. Well Casing: Flush Threaded PVC
☒ Schedule 40
☐ Schedule 80
☐ Other _____

E. Bentonite Seal Top 26 ft.

F. Fine Sand Top _____ ft.

G. Filter Pack Top 31.2 ft.

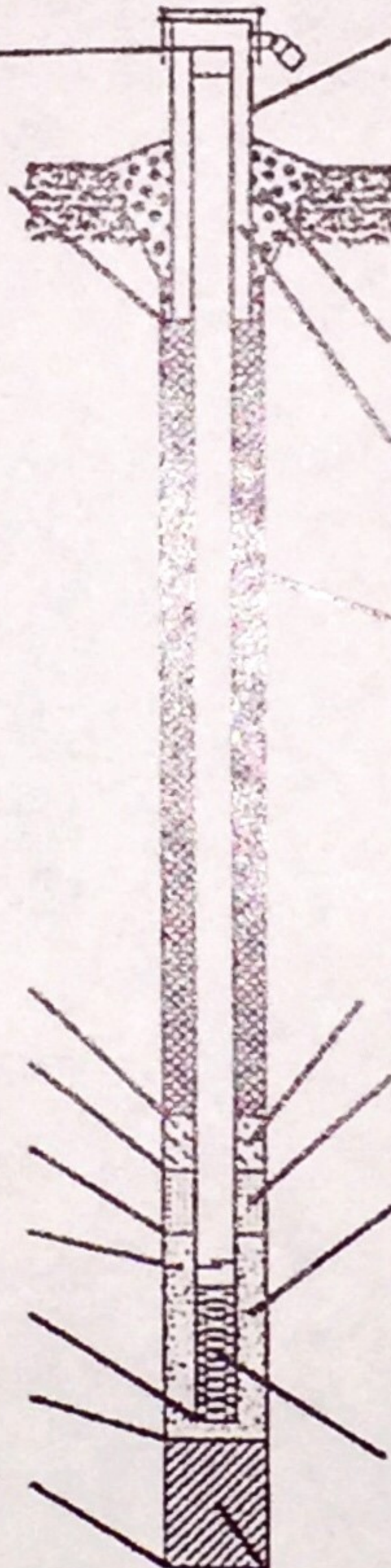
H. Screen Joint Top 35 ft.

I. Well Bottom 45 ft.

J. Filter Pack Bottom 45 ft.

K. Borehole Bottom 45 ft.

Cascade Drilling LP



1. Locking Cap? ☒ Yes ☐ No

2. Protective Cover: a. Inside diam. 12 in.
b. Length 5 ft.
c. Material ☒ Steel
☐ Other _____
d. Bumper Post _____ qty
_____ 3" _____ 4"

3. Surface Seal: ☐ Bentonite
☒ Concrete
☐ Other _____

4. Material between Casing and Protap:
☒ Bentonite
☒ Other concrete

5. Annular Space Seal:
☐ Granular Bentonite
☒ Bentonite Slurry
☐ Cement-Bentonite Grout
☐ Other _____

How Installed:
☐ Gravity
☒ Tremie Pumped

6. Bentonite Seal: ☐ Granules
☒ Pellets

7. Type of Fine Sand: _____

8. Type of Filter Pack: 20x40

9. Screen Material:
Type: ☒ Factory Cut
☐ Continuous Slot
Slot Size: 0.010 in.
Length: 10 ft.

10. Backfill Material: (Below filter pack)
☒ None
☐ Other _____



Well Construction Report

Job Name Deseret Power
Job Number 2065
Location Vernal, UT

Well Name BA DG 2
Driller Daniel Dodge
Helper Josh Mathews
Date Installed 5-9-16

Type of Well:

- ☐ Water Table Observation
☐ Piezometer
☐ Other _____

A. Height of Well Casing above ground
2.5 ft.

B. Diameter of Well Casing
6 ~~4~~ in.

C. Surface Seal Bottom
2 ft.

D. Well Casing: Flush Threaded PVC
☒ Schedule 40
☐ Schedule 80
☐ Other _____

E. Bentonite Seal Top 4 ~~5~~ ft.

F. Fine Sand Top _____ ft.

G. Filter Pack Top 9.8 ft.

H. Screen Joint Top 12 ft.

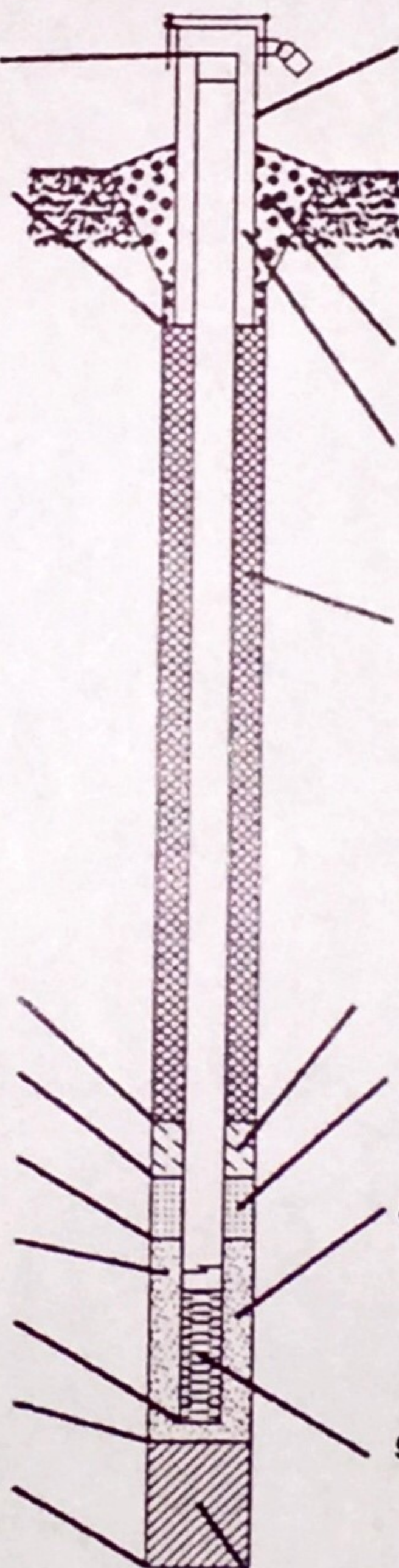
I. Well Bottom 22.5 ft.

J. Filter Pack Bottom 22.5 ft.

K. Borehole Bottom 22.5 ft.



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Peoria, AZ 85345
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1. Locking Cap? ☒ Yes ☐ No

2. Protective Cover: a. Inside diam. 12 in.
b. Length 5 ft.
c. Material ☒ Steel
☐ Other _____
d. Bumper Post _____ qty
_____ 3" _____ 4"

3. Surface Seal: ☐ Bentonite
☒ Concrete
☐ Other _____

4. Material between Casing and Protop:
☒ Bentonite
☒ Other concrete

5. Annular Space Seal:
☐ Granular Bentonite
☒ Bentonite Slurry
☐ Cement-Bentonite Grout
☐ Other _____

How Installed:
☐ Gravity
☒ Tremie Pumped

6. Bentonite Seal:
☐ Granules
☒ Pellets

7. Type of Fine Sand: _____

8. Type of Filter Pack: 20x40

9. Screen Material:
Type: ☒ Factory Cut
☐ Continuous Slot
Slot Size: 0.010 in.
Length: 10 ft.

10. Backfill Material: (Below filter pack)
☒ None
☐ Other _____



CASCADe DRILLING, L.P.
LEADERS IN SAFETY

Well Construction Report

Job Name Deseret Power
Job Number 2065
Location Vernal, UT

Well Name BA Dgr 3
Driller Daniel Dodge
Helper Josh Mathews
Date Installed 5-10-16

Type of Well:

☐ Water Table Observation
☐ Piezometer
☐ Other _____

A. Height of Well Casing above ground
2.5 ft.

B. Diameter of Well Casing
6 in.

C. Surface Seal Bottom
2 ft.

D. Well Casing: Flush Threaded PVC
☒ Schedule 40
☐ Schedule 80
☐ Other _____

E. Bentonite Seal Top 4.5 ft.

F. Fine Sand Top _____ ft.

G. Filter Pack Top 9.6 ft.

H. Screen Joint Top 12.5 ft.

I. Well Bottom 23 ft.

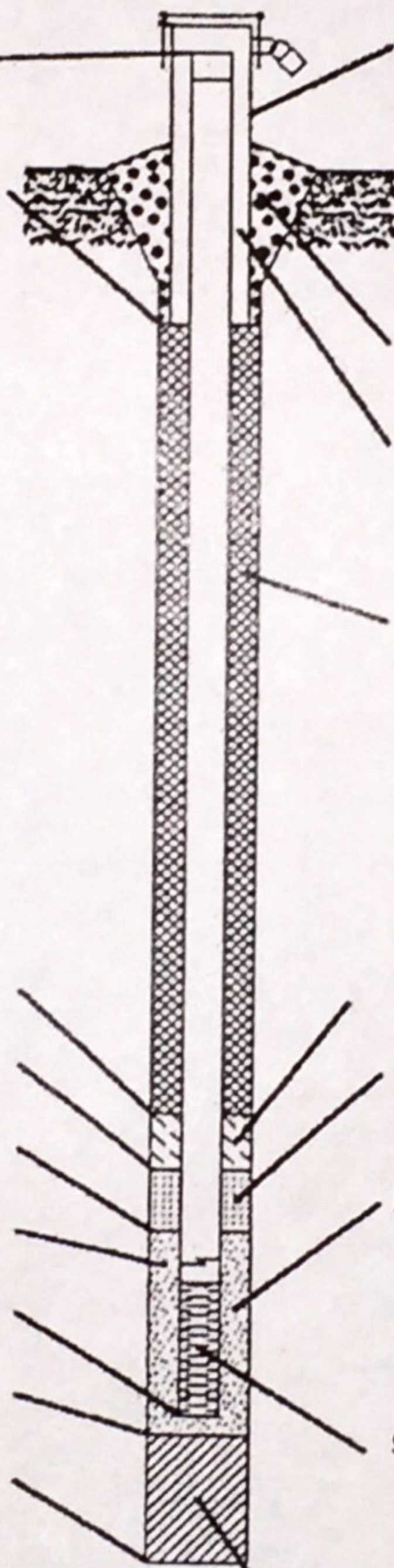
J. Filter Pack Bottom 23 ft.

K. Borehole Bottom 23 ft.



CASCADe DRILLING, L.P.
LEADERS IN SAFETY

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Peoria, AZ 85345
623-935-0124



1. Locking Cap? ☒ Yes ☐ No

2. Protective Cover: a. Inside diam. 12 in.
b. Length _____ ft.
c. Material _____
Steel
Other _____
d. Bumper Post _____ qty
3" 4"

3. Surface Seal: ☐ Bentonite
☒ Concrete
Other _____

4. Material between Casing and Protop:
☒ Bentonite
☒ Other Concrete

5. Annular Space Seal:
☐ Granular Bentonite
☒ Bentonite Slurry
☐ Cement-Bentonite Grout
Other _____

How Installed:

☐ Gravity
☒ Tremie Pumped

6. Bentonite Seal:
☐ Granules
☒ Pellets

7. Type of Fine Sand: _____

8. Type of Filter Pack: 20x40

9. Screen Material:
Type: ☒ Factory Cut
☐ Continuous Slot
Slot Size: 0.010 in.
Length: 10 ft.

10. Backfill Material: (Below filter pack)
☒ None
Other _____