

Drilling 12-1/4" hole
below 13 3/8" Casing

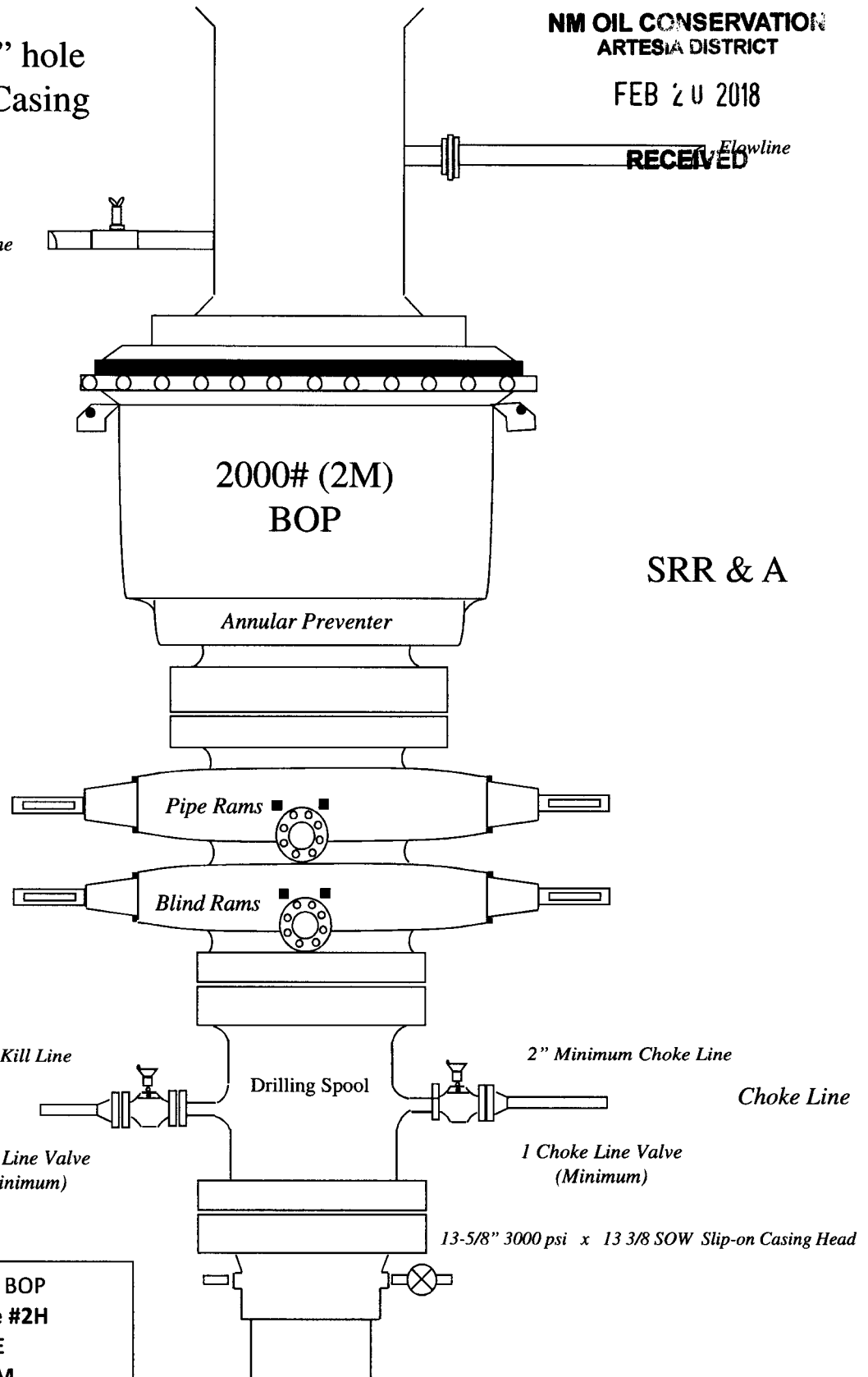
NM OIL CONSERVATION
ARTESIA DISTRICT

FEB 20 2018

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Flowline

Fill Line



SRR & A

Exhibit E-1 – 2000# BOP
Crawford 27-26 Fee #2H
Sec. 27 24S 26E
Eddy County, NM

30-015-44694

Drilling 8-3/4" hole
below 9 5/8" Casing

Fill Line

Flowline

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ARTESIA DISTRICT

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SRR & A

3000# (3M)
BOP

Annular Preventer

Pipe Rams

Blind Rams

2" Minimum Kill Line

Kill Line

2 Valves Minimum
(including 1 check valve)

Drilling
Spool

3" minimum choke line

Choke Line

2 Valves Minimum

Wellhead
Assembly

13-5/8" 3000 psi x 11" 5000 psi
Wellhead Assembly

13-5/8" 3000# psi x 13-3/8" SOW Casing Head

Exhibit E-1 - 3000# BOP
Crawford 27-26 Fee #2H
Sec. 27 24S 26E
Eddy County, NM

30-015-44694

Drilling 6" hole
below 7" Casing

Fill Line

Flowline

**NM OIL CONSERVATION
ARTESIA DISTRICT**

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SRR & A

**5000# (5M)
BOP**

Annular Preventer

Pipe Rams

Blind Rams

2" Minimum Kill Line

Kill Line

2 Valves and a check valve

*Drilling
Spool*

3" minimum choke line

Choke Line

*2 Valves Minimum
(HCR Required)*

*Wellhead
Assembly*

*11" 5000 psi x 7-1/16" 10,000 psi
Wellhead Assembly*

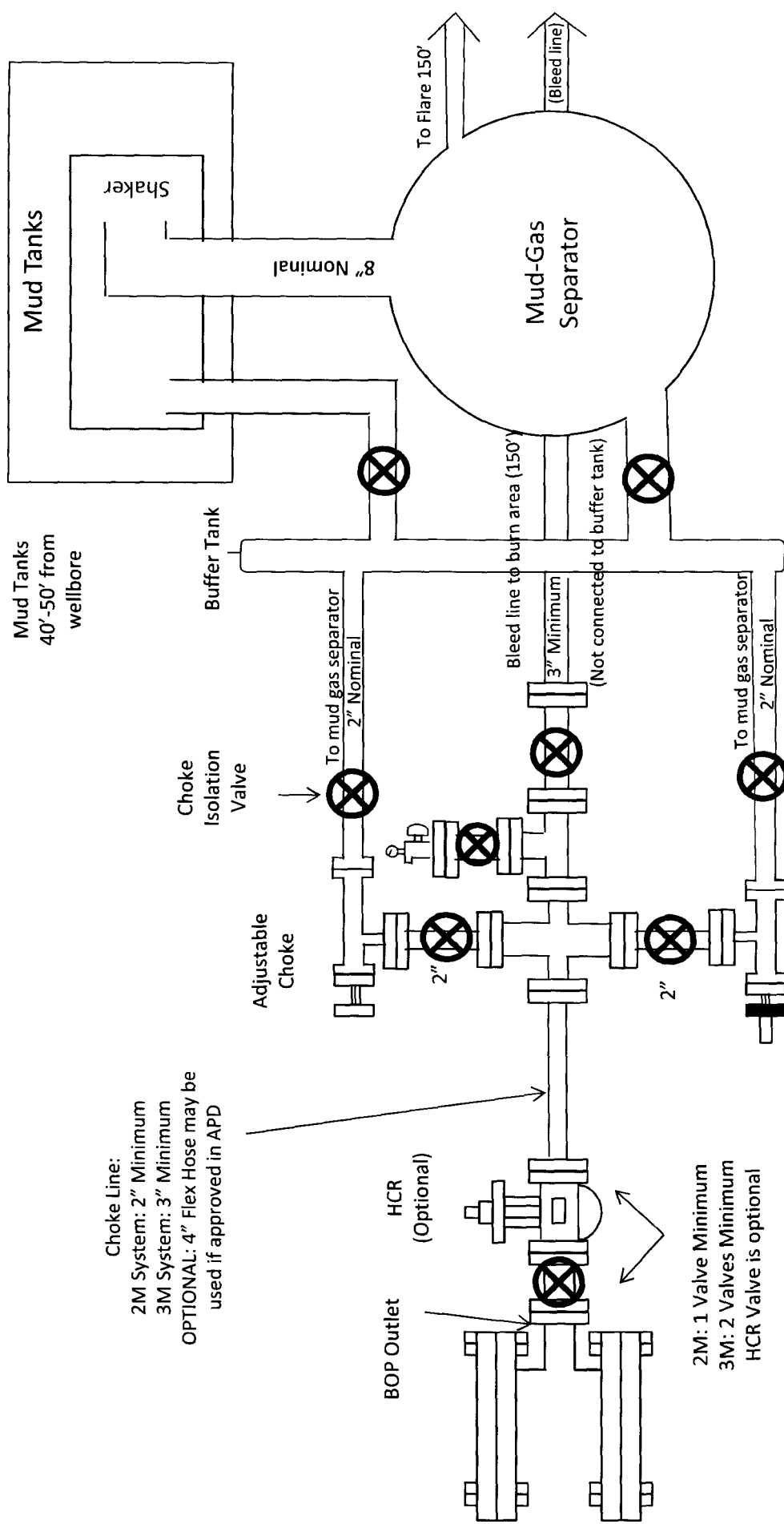
*Wellhead
Assembly*

*13-5/8" 3000 psi x 11" 5000 psi
Wellhead Assembly*

13-5/8" 3000# psi x 13-3/8" SOW Casing Head

Exhibit E-1 – 5000# BOP
Crawford 27-26 Fee #2H
Sec. 27 24S 26E
Eddy County, NM

30.013-44694



Choke Line:
 2M System: 2" Minimum
 3M System: 3" Minimum
 OPTIONAL: 4" Flex Hose may be used if approved in APD

2M: 1 Valve Minimum
 3M: 2 Valves Minimum
 HCR Valve is optional

Drilling Operations
Choke Manifold
2M/3M Service

REMOTELY
 OPERATED
 Adjustable
 Choke

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ARTESIA DISTRICT

Exhibit E-1 – Choke Manifold Diagram
 Crawford 27-26 Fee #2H
 Sec. 27 24S 26E
 Eddy County, NM

30-1015-14694

**NM OIL CONSERVATION
ARTESIA DISTRICT**

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Choke Line:
5M System: 3" Minimum
OPTIONAL: 4" Flex Hose may be
used if approved in APPD

Adjustable
Choke

Choke
Isolation
Valve

Mud Tanks
40'-50' from
wellbore

Buffer Tank

Mud Tanks

Shaker

8" Nominal

To Flare 150'

Mud-Gas
Separator

(Bleed line)

3" Minimum
Bleed line to burn area (150')
(Not connected to buffer tank)

2" Nominal
To mud gas separator

BOP Outlet
HCR
(Required)

5M: 2 Valves Minimum

**Drilling Operations
Choke Manifold
5M Service**

REMOTELY
OPERATED
Adjustable
Choke

Choke
Isolation
Valve

To mud gas separator
2" Nominal

Exhibit E-1 - Choke Manifold Diagram
Crawford 27-26 Fee #2H
Sec. 27 24S 26E
Eddy County, NM

30-015-44694