

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

Fill Line

Flowline

HOBBS OCD

DEC 21 2016

RECEIVED

2000# (2M)
BOP

SRR & A

Annular Preventer

Pipe Rams

Blind Rams

2" Minimum Kill Line

Kill Line

1 Kill Line Valve
(Minimum)

Drilling Spool

2" Minimum Choke Line

Choke Line

1 Choke Line Valve
(Minimum)

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

Exhibit E-1 – 2000# BOP
West Grama Ridge 8 State #2
Cimarex Energy Company
8-22S-34E
Lea County, NM

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

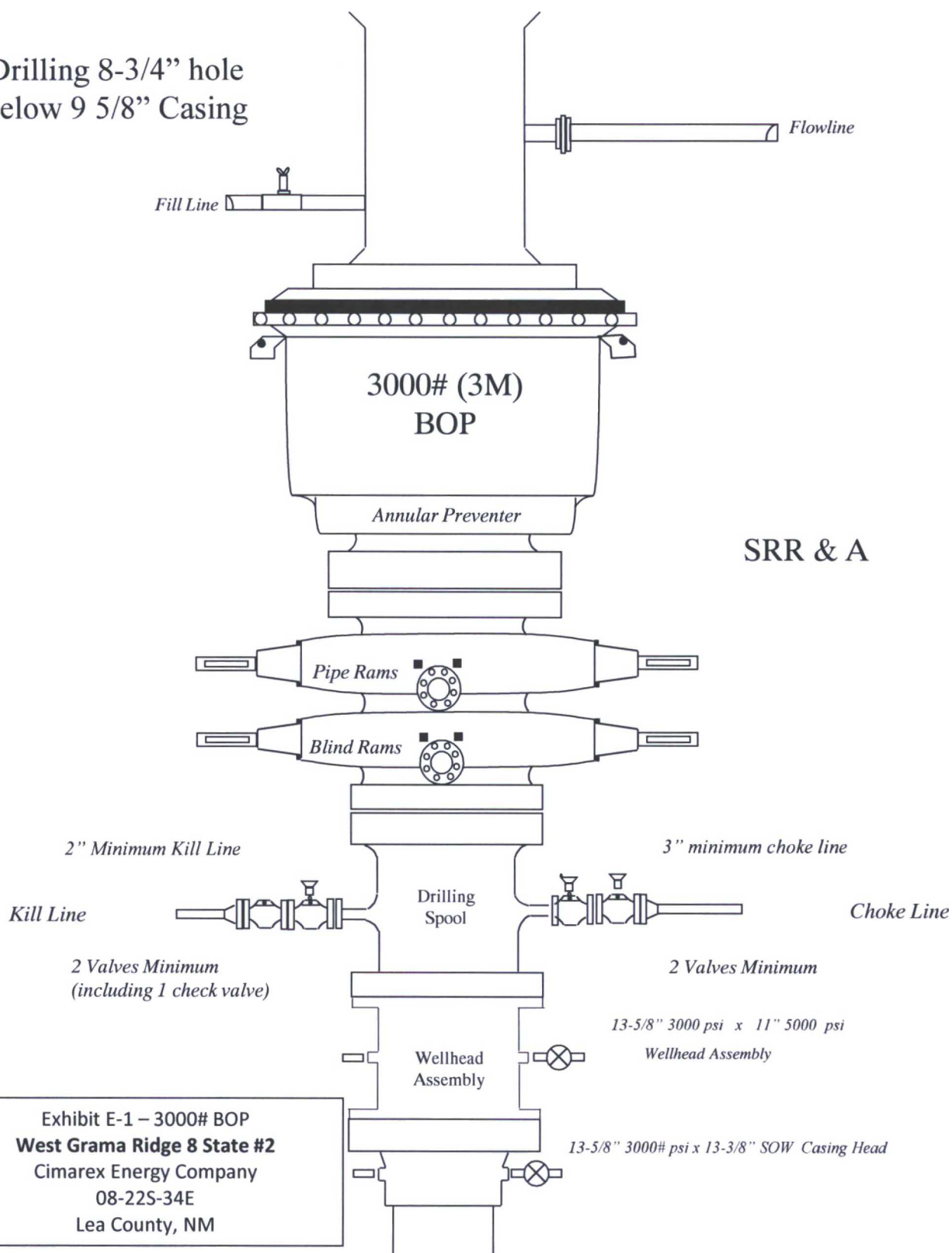
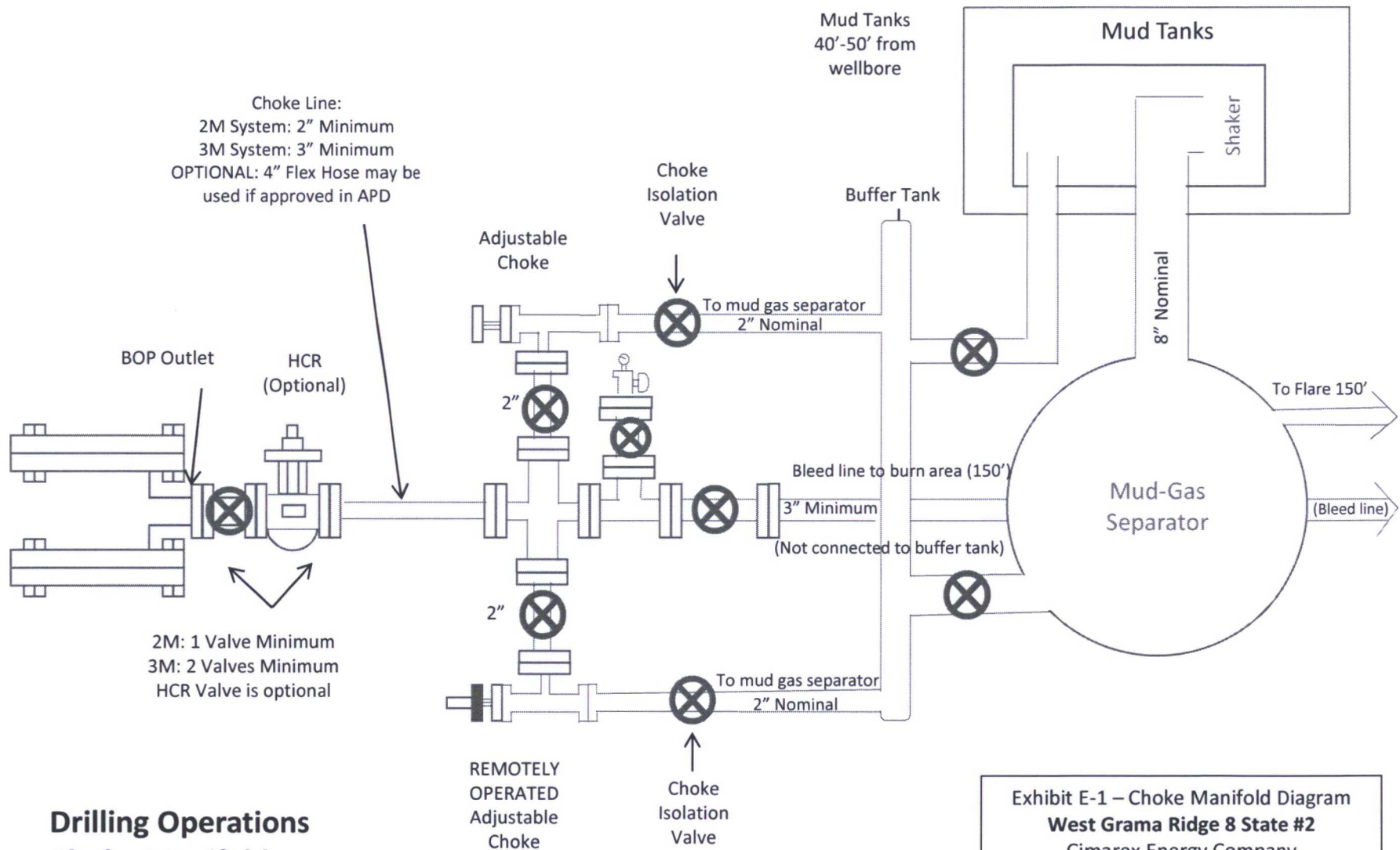


Exhibit E-1 – 3000# BOP
West Grama Ridge 8 State #2
Cimarex Energy Company
08-22S-34E
Lea County, NM



Drilling Operations
Choke Manifold
2M/3M Service

Exhibit E-1 – Choke Manifold Diagram
West Grama Ridge 8 State #2
 Cimarex Energy Company
 08-22S-34E
 Lea County, NM