

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. LEE FEDERAL 70
2. Name of Operator APACHE CORPORATION		9. API Well No. 30-015-41112-00-X1
3a. Address 303 VETERANS AIRPARK LANE SUITE 3000 MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 432.818.1167	10. Field and Pool, or Exploratory CEDAR LAKE
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 20 T17S R31E NESE 2260FSL 990FEL		11. County or Parish, and State EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Change to Original APD
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

BOND#: BLM-CO-1463 / NMB000736

Apache Corporation proposes to use a 13-5/8" 3M psi WP BOP (EXHIBIT 3) consisting of an annular bag type preventer. The BOP will be nipped up on the 13-3/8" surface csg head & tested to 2000psi using a test plug. After intermediate csg is set & cemented a 13-5/8" or a 11" 3M BOP consisting of an annular bag type preventer, middle blind rams, and bottom pipe rams (see EXHIBIT 3A) will be installed & utilized continuously until TD is reached. The BOP will be tested at 2000 psi (maximum surface pressure is not expected to exceed 2M psi). BHP is calculated to be approximately 2819 psi. All BOPs & associated equipment will be tested as per BLM Drilling Operations Order #2. The BOPs will be operated and checked each 24 hr period & the blind rams will be operated & checked when the drill pipe is out of the hole. Functional tests will be documented on the daily driller's log. EXHIBITS 3 & 3A also show a 3M psi choke manifold with a 3" blow down line. Full opening

Accepted for record
NMOC
TOS
4/15/2015

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #202677 verified by the BLM Well Information System
For APACHE CORPORATION, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 03/28/2013 (13KMS5743SE)**

Name (Printed/Typed) SORINA L FLORES	Title SUPERVISOR - DRILLING SERVICES
Signature (Electronic Submission)	Date 03/26/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>CHRISTOPHER WALLS</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>04/11/2013</u>
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office <u>Carlsbad</u>

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

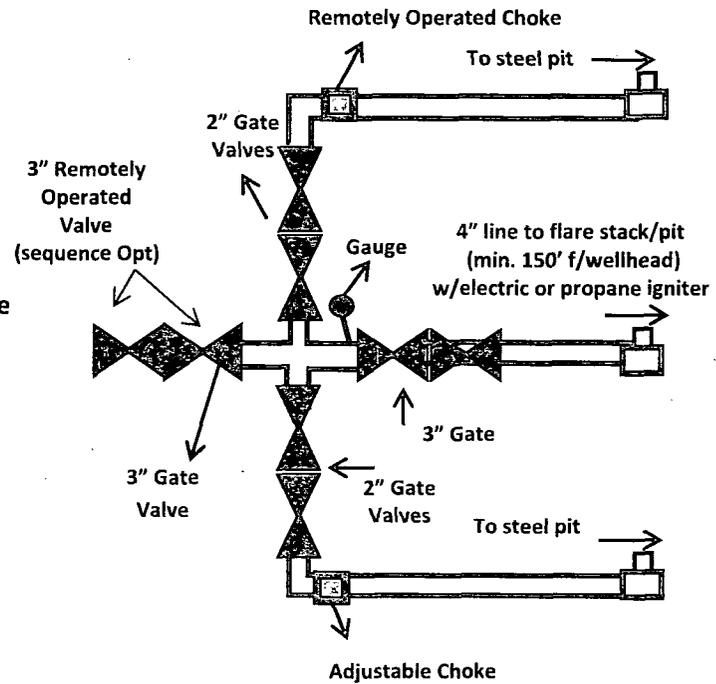
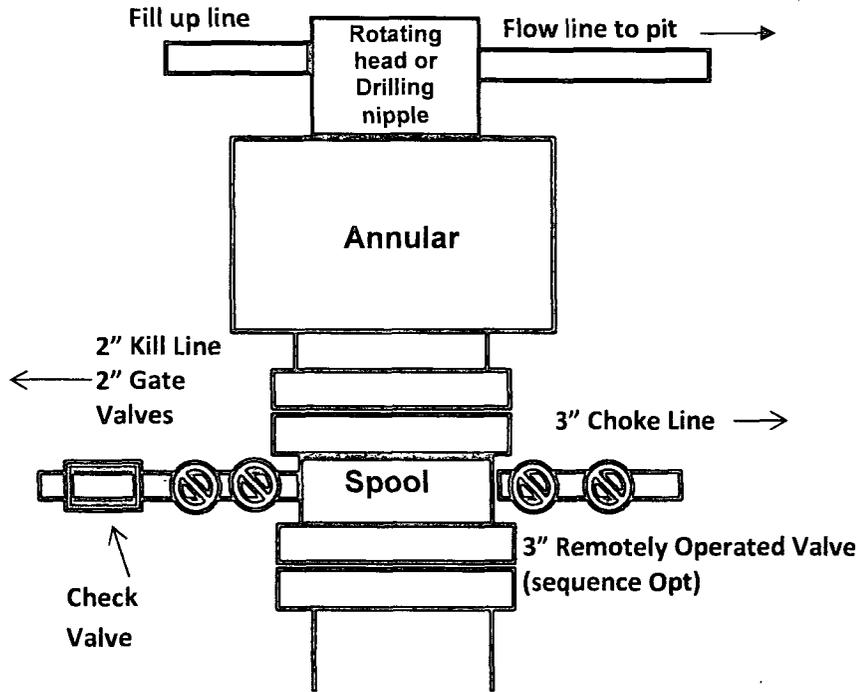
Additional data for EC transaction #202677 that would not fit on the form

32. Additional remarks, continued

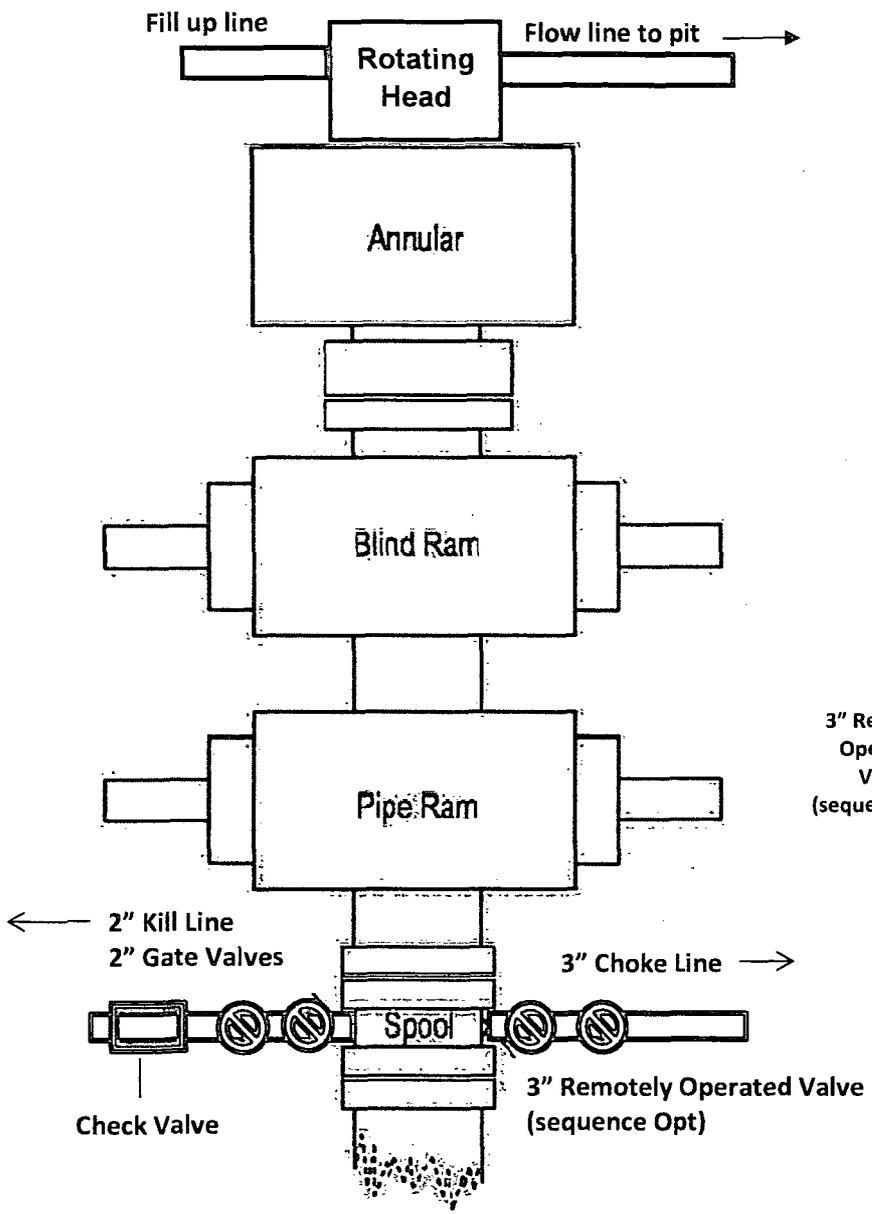
stabbing valve & kelly cock will be on derrick floor in case of need. No abnormal pressures or temperatures are expected in this well. No nearby wells have encountered any well control problems.

**13-5/8" 3M psi
BOPE & Choke Manifold
EXHIBIT 3**

All valve & lines on choke manifold are 2" unless noted.
Exact manifold configuration may vary

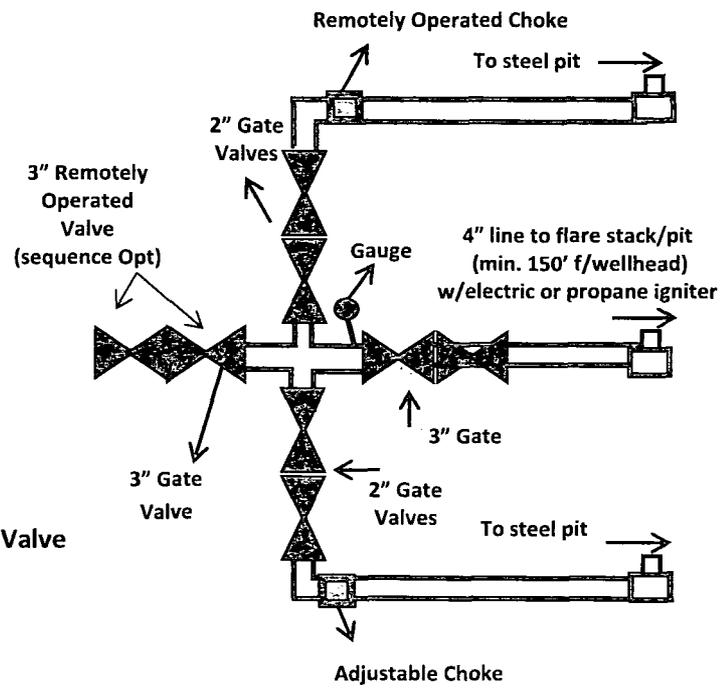


All bleed lines to pit
Minimum 2"



**11" or 13-5/8" 3M psi
 BOPE & Choke Manifold
 EXHIBIT 3A**

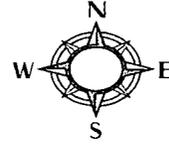
All valve & lines on choke manifold are 2" unless noted.
 Exact manifold configuration may vary



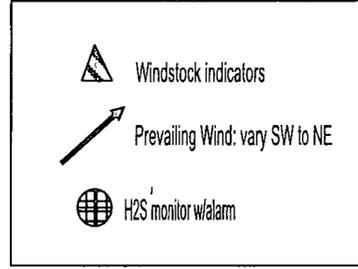
All bleed lines to pit
 Minimum 2"



Drilling Location
H2S Safety Equipment Diagram
Exhibit 3A



Lee Federal #70



Existing Road to Linn Energy well

Existing Road

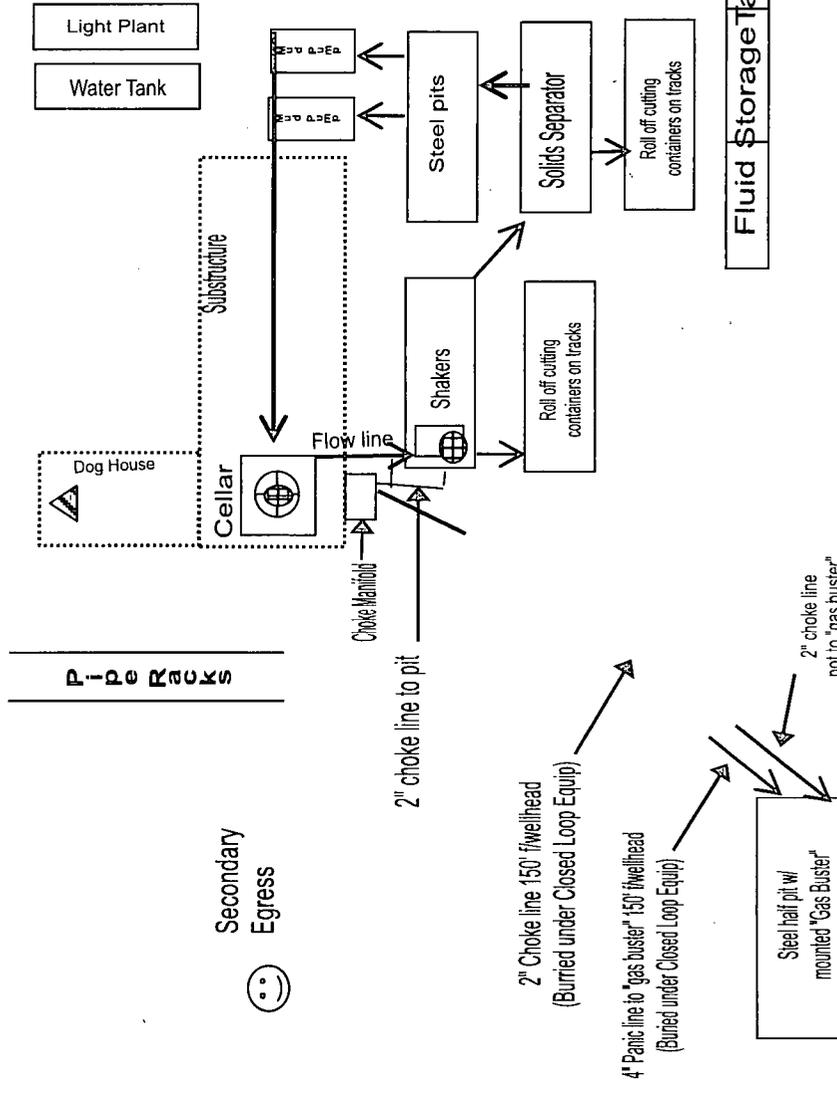
H2S Warning Sign
~ 200' but no
more than 500'
from well location

Primary briefing
area w/SCBA



TRAILER

TRAILER



Fluid Storage Tanks

Secondary
Egress

PIPE RACKS

2" Choke line 150' ft/wellhead
(Buried under Closed Loop Equip)

4" Pore line to "gas buster" 150' ft/wellhead
(Buried under Closed Loop Equip)

Steel pit w/
mounted "Gas Buster"

2" choke line
not to "gas buster"

2" choke line to pit

Flow line

Substructure

Light Plant
Water Tank

Dog House
Cellar

Steel pits

Solids Separator

Roll off cutting
containers on tracks

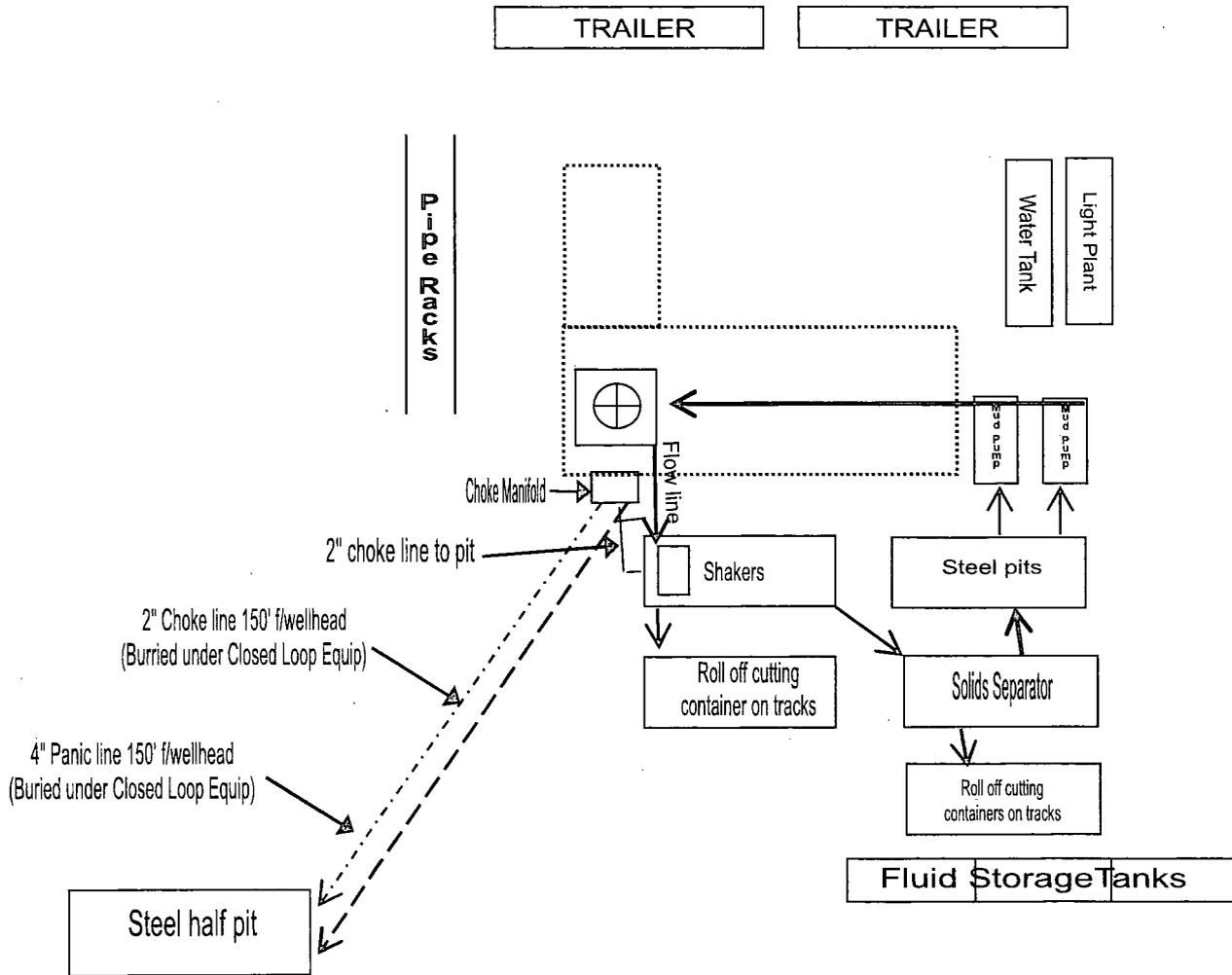
Shakers

Roll off cutting
containers on tracks

Choke Manifold

Existing Road

Existing Road to Linn Energy well



Apache

Closed Loop Equipment Diagram
Exhibit 4

