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Rule 604.c.(2) Mitigation Measures

Lamke 33-5-29 #1
SESE S29 T33N R5W
La Plata County, Colorado

A.) Noise

Sound mitigation will be used around the pump jacks and/or production equipment if necessary in order to comply with the residential/agricultural/rural requirements in Rule 802. Drilling, completion, workover, and construction operations will also comply with Rule 802.

B.) Closed Loop Drilling Systems

A closed loop drilling system will be used. No pits are planned.

C.) Green Completions - Emission Control Systems

Pipelines and production equipment, including burning flares, capable of supporting green completions will be used.

D.) Traffic Plan

Access is from State Highway 151. Operator will comply with any CDOT traffic control measures required for this well. Access road will be improved and maintained for all weather use and be able to accommodate local emergency vehicle access requirements.

E.) Multiwell Pads

Only one well is planned to be drilled from this location. No other pad will be necessary to develop the Fruitland Coal in the 320 acre spacing unit being developed by this well (E/2 S32 T33N R5W).

F.) Leak Detection Plan

Pipelines will be pressure tested prior to use and wells will be monitored daily.

G.) Berm Construction

Secondary containment berms with poly liner will be built around produced water storage tanks upon completion and will be large enough to contain 150% of the largest single tank. It will be inspected regularly and maintained in good condition.

H.) Blowout Preventer Equipment (BOPE)

BOPE equipment will consist of a double ram with blind ram and pipe ram.

I.) BOPE testing for drilling operations

BOPE will be pressured tested upon initial rig up and at least once every 30 days during drilling operations.

J.) BOPE for well servicing operations

Adequate blowout prevention equipment will be used on all well servicing operations.

K.) Pit level Indicators

Pit level indicators will be used.

L.) Drill stem tests

No drill stem tests will be performed.

M.) Fencing requirements

Fencing will be placed around all equipment with moving parts and will be designed and constructed to keep wildlife away from the equipment.

N.) Control of Fire Hazards

Any material not in use that might constitute a fire hazard shall be removed a minimum of 25 feet from the wellhead, tanks, and separators. Any electrical equipment installations inside the bermed area shall comply with API RP 500 classifications and comply with the current national electrical code as adopted by the State of Colorado.

O.) Loadlines

Loadlines will be bullplugged or capped.

P.) Removal of Surface trash

All surface trash, debris, scrap or discarded material connected with the operations of the property will be removed from the premises and disposed of in a legal manner.

Q. Guy line Anchors

Guy line anchors will be identified by a marker of bright color not less than 4 feet in height and not greater than one foot east of the guy line anchor.

R.) Tank specifications

No crude oil or condensate storage tanks will be used.

S.) Access roads

Access road will be built and maintained for all weather use and be able to accommodate local emergency vehicle access requirements.

T.) Well site cleared

Within 90 days after the wells are plugged and abandoned the well site shall be cleared of all non-essential equipment, trash, and debris.

U.) Identification of plugged and abandoned wells

Upon plugging and abandoning the well the location of the wellbore shall be marked with a permanent monument as specified in Rule 319.a(5).

V.) Development from existing well pads

Development from existing well pads is not feasible due to directional drilling constraints, lack of access, and lack of subsurface rights.

W.) Site specific measures

A tertiary berm around the entire location will be built, inspected regularly, and maintained in good condition during drilling/completion operations. It will be sufficiently impervious to contain any spilled or released material.