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Rule 604.c.(2) Mitigation Measures

Lynch 34-6-18 #1 & Lynch 34-6-18 #2
SWNW T34N R6W S18 SUL
La Plata County, Colorado

A.) Noise

Sound mitigation will be added to the pump jacks and production equipment in order to comply with the residential/agricultura/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. Fresh water pits are not 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 CR 523. Operator will comply with any La Plata County traffic control measures required for this well. Access road will be built and maintained for all weather use and be able to accommodate local emergency vehicle access requirements.

E.) Multiwell Pads

Multiple wells will be drilled from this pad in order to minimize surface disturbance and impacts to wildlife. No other pad will be necessary to develop the Fruitland Coal in the 320 acre spacing unit being developed by these wells (N/2 T34N R6W S18U).

F.) Leak Detection Plan

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

G.) Berms will be constructed with a corrugated steel containment berm with poly liner and will be large enough to contain 150% of the largest single tank.

H.) Blow 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. The location will be equipped with a locked gate at the access from county road 523.

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

Visual Mitigation: Visual mitigation will be provided along the north-eastern portion of the well pad and be agreed to by the operator and surface owner. It will be reported to COGCC through a Form 4 Sundry that is has been implemented.