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OIL CON. DIV.
DIST. 3

Elm Ridge Resources Inc.
Apache #12-R
Sec.17-T24N-R5W
Rio Arriba County, New Mexico

SLOPE TESTS

DEPTH

655'
1154'
1656'
2158'
2249'
2742'
3270'
3775'
4275'
4647'
5150'
5646'
6087'
6586'
6803'

HOLE DEVIATION

1
1
1
1
1 1/2
1 1/4
3/4
1
1 1/4
2
1 3/4
2
2
3

State of New Mexico)

) ss

County of San Juan)

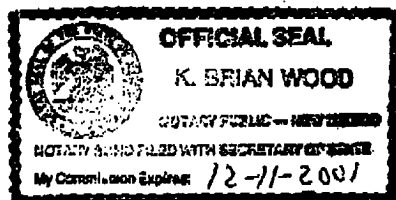
I, Doug Endsley, being first duly sworn, depose and state that the above and foregoing depth and hole deviation figures are true and correct to the best of my information and belief.

Subscribed and sworn before me this 23rd day of January, 1998.

Notary Public

My Commission Expires

12-11-2001



- Elk and deer utilize this unit for winter range.
- Deterioration of the vegetation often results in the formation of gullies that drain adjacent areas and reduce forage production.
- Runoff from the adjacent areas can increase forage production on this soil.

Major Limitations to Use:

Orlie and Aban soil: Hazard of water erosion and hazard of soil blowing.

Suitable Management Practices:

- Grazing management should be designed to increase the productivity and reproduction of desirable species.
- Practices that facilitate range management such as fencing, water pipelines and water facilities are suitable.
- Sagebrush control practices which increase the quantity of desirable species.
 - Provide adequate winter forage for elk and deer.