

30-015-28456

|                                   |                                 |                        |                    |                 |                    |
|-----------------------------------|---------------------------------|------------------------|--------------------|-----------------|--------------------|
| Operator <u>Pogo Producing Co</u> |                                 | Lease <u>State "2"</u> |                    | Well # <u>4</u> |                    |
| Location of Well                  | Unit <u>J</u>                   | Section <u>2</u>       | Township <u>22</u> | Range <u>31</u> | County <u>Eddy</u> |
| Drilling Contractor <u>Nabors</u> | Type of Equipment <u>Rotary</u> |                        |                    |                 |                    |

## APPROVED CASING PROGRAM

\* Witness

| Size of Hole  | Size of Casing  | Weight Per Foot    | New or Used | Depth       | Sacks Cement     |
|---------------|-----------------|--------------------|-------------|-------------|------------------|
| <u>17 1/2</u> | <u>* 13 3/8</u> | <u>54.5 #</u>      |             | <u>850</u>  | <u>700 Circ</u>  |
| <u>11</u>     | <u>* 8 5/8</u>  | <u>34# + 32#</u>   |             | <u>4250</u> | <u>1200 Circ</u> |
| <u>7 7/8</u>  | <u>5 1/2</u>    | <u>15.5# + 17#</u> |             | <u>8500</u> | <u>1000 Circ</u> |

Casing Data:

Surface \_\_\_\_\_ joints of \_\_\_\_\_ inch \_\_\_\_\_ # Grade \_\_\_\_\_

(Approved) (Rejected) \_\_\_\_\_

Inspected by \_\_\_\_\_ date \_\_\_\_\_

## Cementing Program

Size of hole 17 1/2" Size of Casing 13 3/8" Sacks cement required \_\_\_\_\_Type of Shoe used guide Float collar used insert Btm 3 jts welded yesTD of hole 856' Set 856' Feet of 13 3/8" Inch \_\_\_\_\_ # Grade \_\_\_\_\_New-used csg. @ 856' with 200 2%cc sacks neat cement around shoe+ 750 sax Hal. Life additives 1/4" floreal, 2%ccPlug down @ 10:45 (AM) (PM) (PM) Date \_\_\_\_\_Cement circulated yes No. of Sacks 245 exCemented by Halliburton Witnessed by Mike Stubblefield

Temp. Survey ran @ \_\_\_\_\_ (AM) (PM) Date \_\_\_\_\_ top cement @ \_\_\_\_\_

Casing test @ \_\_\_\_\_ (AM) (PM) Date \_\_\_\_\_

Method Used \_\_\_\_\_ Witnessed by \_\_\_\_\_

Checked for shut off @ \_\_\_\_\_ (AM) (PM) Date \_\_\_\_\_

Method used \_\_\_\_\_ Witnessed by \_\_\_\_\_

Remarks: \_\_\_\_\_

17 1/2" hole R.T. 28 hours

Full circ. to TD.