

Expires 2/26/2000

30-015-30582

Operator <u>Gates Petr. Corp.</u>		Lease <u>Sa. Avalon ASZ St. Com.</u>		Well # <u>1</u>	
Location of Well	Unit <u>C</u>	Section <u>14</u>	Township <u>21</u>	Range <u>26</u>	County <u>Eddy</u>
Drilling Contractor	<u>NA</u>		Type of Equipment <u>R</u>		

## APPROVED CASING PROGRAM

\* Witness 8 5/8 18 Hours WOC.

Size of Hole	Size of Casing	Weight Per Foot	New or Used	Depth	Sacks Cement
17 1/2	13 3/8	48#		600'	550 Circ
12 1/4	* 8 5/8	24#		2200'	1600 Circ
7 7/8	5 1/2	17#		11,300'	400

## Casing Data:

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

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

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

## Cementing Program

Size of hole \_\_\_\_\_ Size of Casing \_\_\_\_\_ Sacks cement required \_\_\_\_\_

Type of Shoe used \_\_\_\_\_ Float collar used \_\_\_\_\_ Btm 3 jts welded \_\_\_\_\_

TD of hole \_\_\_\_\_ Set \_\_\_\_\_ Feet of \_\_\_\_\_ Inch \_\_\_\_\_ # Grade \_\_\_\_\_

New-used csg. @ \_\_\_\_\_ with \_\_\_\_\_ sacks neat cement around shoe

+ \_\_\_\_\_ sax \_\_\_\_\_ additives \_\_\_\_\_

Plug down @ \_\_\_\_\_ (AM) (PM) Date \_\_\_\_\_

Cement circulated \_\_\_\_\_ No. of Sacks \_\_\_\_\_

Cemented by \_\_\_\_\_ Witnessed by \_\_\_\_\_

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: 6-6-99- Run 30 Jcs 8 5/8" 24# J-55 - to 1410'Set 1/450 SX + 200 SX tail Cmt Circ 164 SX to P.T.

cemented 6/6/99 - 11A 4 stages