

Operator <u>Gates Petr. Corp.</u>		Lease <u>Mary "AIV" State</u>		Well # <u>3</u>	
Location of Well	Unit <u>B</u>	Section <u>36</u>	Township <u>21</u>	Range <u>31</u>	County <u>Eddy</u>
Drilling Contractor	<u>Undesignated</u>		Type of Equipment <u>Rotary</u>		

APPROVED CASING PROGRAM

* Witness - Potash Area

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>850 Circ</u>
<u>12 1/4</u>	<u>* 8 5/8</u>	<u>32.0 #</u>		<u>4500</u>	<u>2500 Circ</u>
<u>7 7/8</u>	<u>5 1/2</u>	<u>17 + 20 #</u>		<u>TD</u>	<u>As Warranted</u>

Casing Data:

Surface joints of 5/8 inch 14 # Grade J-55
(Approved) (Rejected)

Inspected by A.S. date 5-30-91

Cementing Program

Size of hole 11" Size of Casing 8 5/8" Sacks cement required

Type of Shoe used float Float collar used yes Btm 3 jts welded yes

TD of hole 4442' Set 4442' Feet of 8 5/8" Inch 32 # Grade J-55 5-80

New used csg. @ 4442' with 200 12cc sacks neat cement around shoe
+ 1500 sax potash for lite additives 10# salt 4# flocc.

Plug down @ 11:20 (AM) (PM) Date 6-5-91

Cement circulated yes No. of Sacks 225

Cemented by Wetmore 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:

B. Salt - 3990'