

Operator <u>Gates Energy Corp.</u>		Lease <u>Sidewinder</u>		Well # <u>1</u>	
Location of Well	Unit <u>F</u>	Section <u>20</u>	Township <u>24</u>	Range <u>24</u>	County <u>Eddy</u>
Drilling Contractor	<u>NA Peterson Drilling Corp #4</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>48 +</u>		<u>350</u>	<u>350 Circ</u>
<u>12 1/4</u>	* <u>8 5/8</u>	<u>24-32</u>		<u>2600</u>	<u>1100 Circ</u>
<u>7 7/8</u>	<u>4 1/2 - 5 1/2</u>	<u>11.6 - 17.0</u>		<u>TD</u>	<u>450</u>

Casing Data:

Surface _____ joints of _____ inch _____ # Grade _____
 (Approved) (Rejected) _____

Inspected by _____ date _____

Cementing Program

Size of hole 12 1/4 Size of Casing 8 5/8 Sacks cement required 1100

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

TD of hole 2460 Set 2460 Feet of 8 5/8 Inch _____ # Grade J-55

New used csg. @ 2460 with 250 22 cc sacks neat cement around shoe
 + 1000 sac Lite 32 cc additives

Plug down @ 5:00 (AM) (PM) Date 5/25/90

Cement circulated yes No. of Sacks 430 sr to pit

Cemented by Halliburton Witnessed by Gary Williams

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: _____

57 joints

centralizers - 10

full returns