

Operator <u>Santa Fe Energy</u>		Lease <u>Chase² State #</u>		Well # <u>1</u>	
Location of Well	Unit <u>N</u>	Section <u>2</u>	Township <u>22</u>	Range <u>27</u>	County <u>Eddy</u>
Drilling Contractor	<u>990/S 1980/W</u>		Type of Equipment <u>Rotary</u>		
<u>NA</u>					

* Witness

APPROVED CASING PROGRAM

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>48.0</u>		<u>450</u>	<u>475 Surf</u>
<u>12 1/4</u>	* <u>8 5/8</u>	<u>24.0</u>		<u>2200</u>	<u>980 Surf.</u>
<u>7 7/8</u>	<u>5 1/2</u>			<u>700</u>	<u>400</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 new Btm 3 jts welded yes

ID of hole 455' Set 455' Feet of 13 3/8" inch _____ # Grade _____

New-used csg. @ 455' with 475 sacks neat cement around shoe

+ 150 sax Thirset additives (10# gilsomite, 1/4# flexal)

Plug down @ 9:00 (AM) (PM) Date 12/18/86

Cement circulated No No. of Sacks - 0 -

Cemented by Hullington Witnessed by Mike Stubbfield

Temp. Survey ran @ 3:00 (AM) (PM) Date 12/19/86 top cement @ _____

Casing test @ _____ (AM) (PM) Date _____

Method Used _____ Witnessed by _____

Checked for shut off @ _____ (AM) (PM) Date _____

Method used _____ Witnessed by _____

Remarks: + 1000 gal. flexal leadoff.

lost circulation @ 213'