

Operator <u>Arco Oil & Gas Co.</u>		Lease <u>State "2"</u>		Well # <u>4</u>	
Location of Well	Unit <u>L</u>	Section <u>2</u>	Township <u>19</u>	Range <u>30</u>	County <u>Eddy</u>
Drilling Contractor	<u>Artesia Fishing Tool</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
17 1/2	* 13 3/8	48		700	600
11	* 8 5/8	24		± 2000	700
7 7/8	5 1/2	15.5		3300	350

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 yes Btm 3 jts welded yes

TD of hole 700' Set 700' Feet of 13 3/8" Inch 48 # Grade H-40

New used csg. @ 700' with 250 270cc sacks neat cement around shoe
 + _____ sax _____ additives _____

Plug down @ 10:00 (AM) (PM) PM Date 5-12-90

Cement circulated yes No. of Sacks 200

Cemented 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: _____

8 centralizers 95'-TD

Full returns to TD