

Expires 5/26/00

30-005-63206

Operator <u>Gates Petr. Corp.</u>		Lease <u>Sparrow SP State</u>		Well # <u>7</u>	
Location of Well	Unit <u>0</u>	Section <u>32</u>	Township <u>6</u>	Range <u>25</u>	County <u>Chaves</u>
Drilling Contractor <u>UNITED Drilling Co</u> <u>NA</u> Rig # <u>9</u>			Type of Equipment <u>Rotary</u>		

APPROVED CASING PROGRAM

* Witness 11 3/4 Min. WOC Time 18 Hours

Size of Hole	Size of Casing	Weight Per Foot	New or Used	Depth	Sacks Cement
<u>14 3/4</u>	* <u>11 3/4</u>	<u>42 #</u>		<u>750'</u>	<u>400 Circ</u>
<u>11</u>	<u>8 5/8</u>	<u>24 #</u>		<u>1500'</u>	<u>350</u> ^{TOC} _{650'}
<u>7 7/8</u>	<u>4 1/2</u>	<u>10.5 #</u>		<u>4150'</u>	<u>350</u> ^{500'} _{Above ABO}

Casing Data:

Surface 11 joints of 11 3/4 inch 42 # Grade H-40

(Approved) (Rejected)

Inspected by [Signature] date 11-3-99

Cementing Program

Size of hole 14 3/4 Size of Casing 11 3/4 Sacks cement required 465

Type of Shoe used _____ Float collar used _____ Btm 3 jts welded _____

TD of hole 775' Set 469' Feet of 11 3/4 Inch 42 # Grade H-40New-used csg. @ 469' with 200 sacks neat cement around shoe
+ 265 sax Prem Plus LITE additives 3% CaCl₂ 1/4" FloCelPlug down @ 4:30 (AM) (PM) Date 11-4-99Cement circulated 144 sx No. of Sacks _____Cemented by Halliburton 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: Circ Hole 3/4 hr @ TDDriller informed to Drill out w/ fresh H₂O per Mike Stubblefield