

**OIL CONSERVATION DIVISION**  
**P.O. Box 2088**  
**Santa Fe, NM 87504-2088**

District I  
PO Box 1968, Hobbs, NM 88241-1968  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

☐ AMENDED REPORT

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

<sup>1</sup> Operator name and Address <b>Phillips Petroleum Company 4001 Penbrook Street Odessa, TX 797962</b>		<sup>2</sup> OGRID Number <b>017643</b>
		<sup>3</sup> API Number <b>30-0 25-33928</b>
<sup>4</sup> Property Code <b>009140</b>	<sup>5</sup> Property Name <b>SANTA FE</b>	
		<sup>6</sup> Well Number <b>136</b>

<sup>7</sup> Surface Location									
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
<b>E</b>	<b>33</b>	<b>17-S</b>	<b>35-E</b>		<b>2175'</b>	<b>NORTH</b>	<b>336'</b>	<b>WEST</b>	<b>LEA</b>

<sup>8</sup> Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
<b>E</b>	<b>33</b>	<b>17-S</b>	<b>35-E</b>		<b>2175'</b>	<b>NORTH</b>	<b>336'</b>	<b>WEST</b>	<b>LEA</b>

<sup>9</sup> Proposed Pool 1 <b>VACUUM-DRINKARD</b>	<sup>10</sup> Proposed Pool 2
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<sup>11</sup> Work Type Code <b>N</b>	<sup>12</sup> Well Type Code <b>0</b>	<sup>13</sup> Cable/Rotary <b>ROTARY</b>	<sup>14</sup> Lease Type Code <b>S NM-015221</b>	<sup>15</sup> Ground Level Elevation <b>3948' GL</b>
<sup>16</sup> Multiple <b>NO</b>	<sup>17</sup> Proposed Depth <b>8,500'</b>	<sup>18</sup> Formations <b>DRINKARD</b>	<sup>19</sup> Contractor <b>ADVISE LATER</b>	<sup>20</sup> Spud Date <b>UPON APPROVAL</b>

<sup>21</sup> Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
<b>17-1/2"</b>	<b>13-3/8"</b>	<b>54.5#, J-55</b>	<b>1,650'</b>	<b>1150SX CL "C"</b>	<b>SURFACE</b>
<b>12-1/4"</b>	<b>8-5/8"</b>	<b>24# &amp; 32#, J-55</b>	<b>4850'</b>	<b>1400SX, CL "C"</b>	<b>SURFACE</b>
<b>7-7/8"</b>	<b>5-1/2"</b>	<b>15.5#, J-55</b>	<b>8,500'</b>	<b>900SX, CL "C"</b>	<b>APPOX 4,250'</b>

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary

**SEE ATTACHED PROPOSED CASING AND CEMENTING PROGRAM.**

Permit Expires 1 Year From Approval  
Date Unless Drilling Underway

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Larry M. Sanders*

Printed name: **Larry M. Sanders**

Title: **Senior Regulation Analyst**

Date: **04/17/97**

Phone: **(915) 368-1488**

**OIL CONSERVATION DIVISION**

Approved by: **ORIGINAL SIGNED BY JERRY SEXTON**  
**REGULATION SUPERVISOR**

Title:  
Approval Date: **MAY 16 1997** Expiration Date:

Conditions of Approval:  
Attached ☐

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

## OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-025-33928</b>	Pool Code 62110	Pool Name VACUUM - DRINKARD
Property Code 009140	Property Name SANTA FE	Well Number 136
OGRID No. 017643	Operator Name PHILLIPS PETROLEUM COMPANY	Elevation 3948'

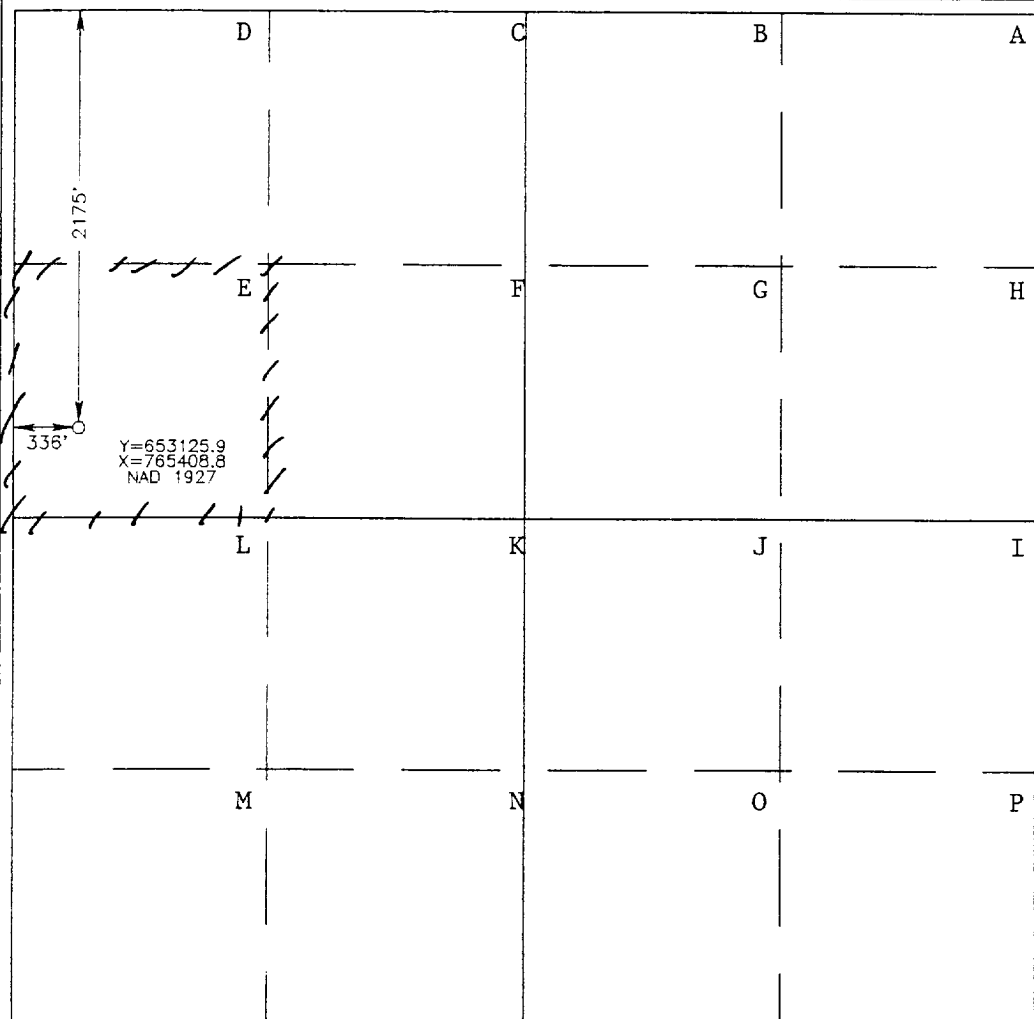
#### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	33	17 S	35 E		2175	NORTH	336	WEST	LEA

#### Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	33	17-S	35-E		2175'	NORTH	336'	WEST	LEA
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<h4>OPERATOR CERTIFICATION</h4> <p>I hereby certify the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>L. M. Sanders</i> Signature</p> <p>L. M. SANDERS Printed Name</p> <p>SR. REGULATION ANALYST Title</p> <p>4/17/97 Date</p> <h4>SURVEYOR CERTIFICATION</h4> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>APRIL 8, 1997</p> <p>Date Surveyed CDG</p> <p>Signature of Seal Professional Surveyor</p> <p>RONALD J. EIDSON NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR 4-11-97 087-11-0640</p> <p>Certificate No. JOHN W. WEST 676 RONALD J. EIDSON 3239 GARY EIDSON 12641</p>
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The following is the casing and cementing design for the Santa Fe Well No. 136.

Surface Casing: 13 3/8" 54.5 lb/ft J-55 set @ 1650 ft. 17 1/2" hole.

Lead Cmt: 800 Sxs Cl "C" + 4% Gel + 2% CaCl  
Wt. 13.5 ppg  
yld. 1.72 cfps  
wtr. 9.06 gps

Tail Cmt: 350 Sxs Cl "C" + 2% CaCl. Note: Cement Circulated to Surface.  
wt. 14.8 ppg  
yld. 1.32 cfps  
wtr. 6.30 gps

Intermediate Casing: 3100' 8 5/8" 24 lb/ft J-55 Surf to 3100' 12 1/4" hole.  
1750' 8 5/8" 32 lb/ft J-55 3100' to 4850'.

Lead Cmt: 1100 Sxs Cl "C" + 3% Econolite + 3% salt  
Wt. 11.8 ppg  
yld. 2.60 cfps  
Wtr. 15.60 gps

Tail Cmt: 300 Sxs Cl "C" + 2% CaCl Note: Cement circulated to Surface.  
wt. 14.8 ppg  
yld. 1.32 cfps  
wtr. 6.30 gps

Production Casing: 5 1/2" 15.5 lb/ft J-55 LT&C @ 8500' 7 7/8" hole.

Cement Slurry: 900 sxs 50/50 Class "C" Pozmix A + 1% gel + 1% Diacel Fl.  
wt. 14.15 ppg  
yld. 1.27 cfps  
wtr. 5.93 gps

Desired Top Of Cement: 600 ft inside the 8 5/8" intermediate casing.

# PROPOSED MUD PROGRAM

Santa Fe Well

DEPTH	MUD WEIGHT	VISCOSITY	FLUID LOSS	CL PPM	%SOLIDS	ADDITIVES
Surf - 1500'	8.6-9.0 ppq	32-34 sec/1000 cc	-	-	-	Native Solids
1500' - 7400'	10.0-10.2 ppq	28-32 sec/1000 cc	-	Saturated	-	Native Solids
7400' - 8150'	10.0-10.2 ppq	32-36 sec/1000 cc	12 - 15 cc	Saturated	-	Starch

Note: Losses may be encountered at approximately 6200'. Pump LCM sweeps and keep pipe moving.

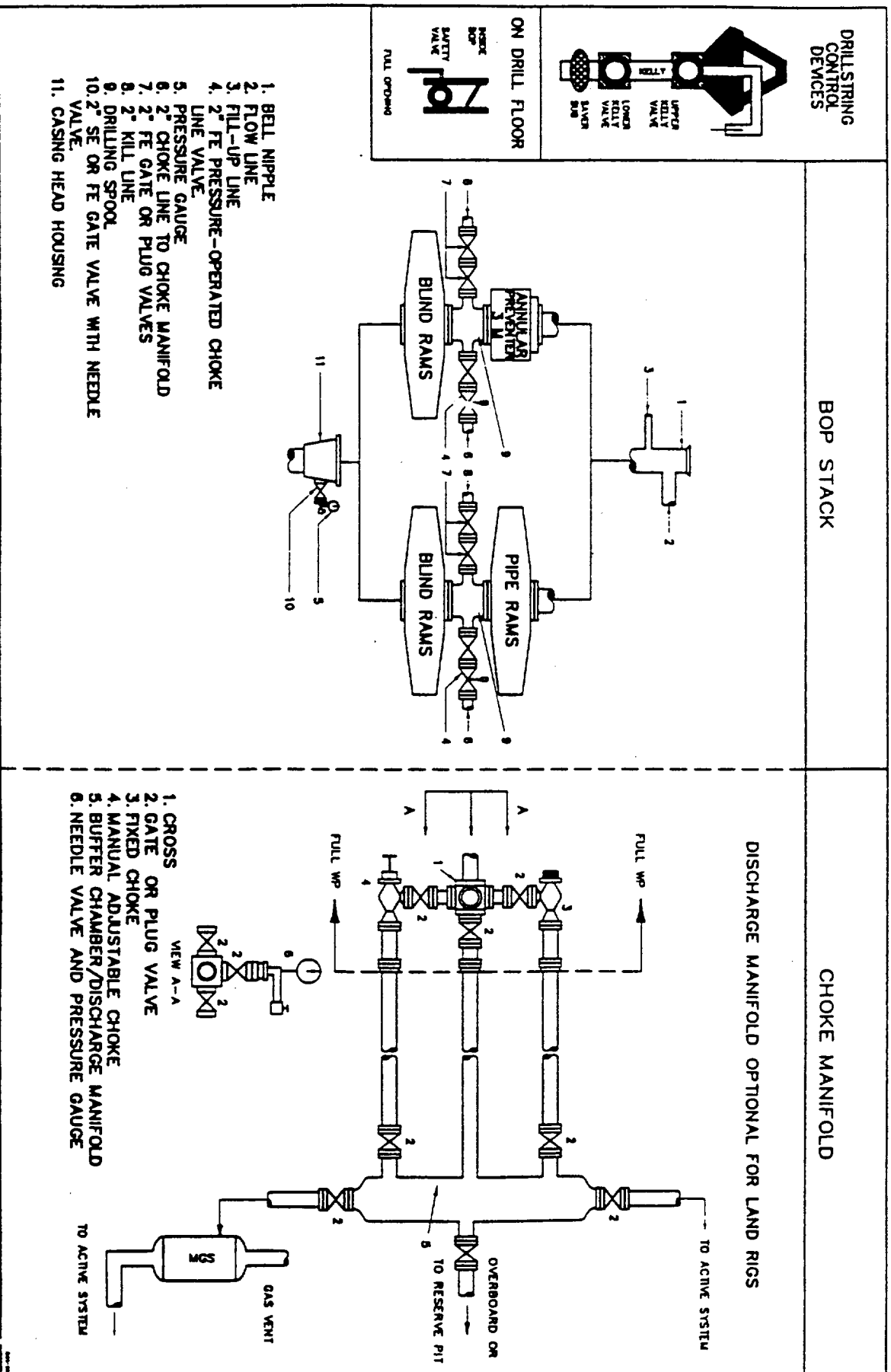


Fig. 2.4. Class 2 BOP and Choke Manifold.