

District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brumas Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Enx Minerals & Natural Resources Department

Form C-101

Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 6 Copies

Fee Lease - 5 Copies

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

☐ AMENDED REPORT

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

¹ Operator name and Address Phillips Petroleum Company 4001 Penbrook Street Odessa, TX 797962		² OGRID Number 017643
		³ API Number 30-025-32736
⁴ Property Code 009166	⁵ Property Name EAST VACUUM GB/SA UNIT	⁶ Well Number 388

⁷ Surface Location									
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
M	27	17 S	35 E		205	SOUTH	255	WEST	LEA

⁸ 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
M	27	17 S	35 E		349	SOUTH	414	WEST	LEA
⁹ Proposed Pool 1 VACUUM GRAYBURG/SAN ANDRES					¹⁰ Proposed Pool 2 VACUUM GRAYBURG/SAN ANDRES				

¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3937' GR-UNPREPARED
¹⁶ Multiple NO	¹⁷ Proposed Depth 4700'	¹⁸ Formations SAN ANDRES	¹⁹ Contractor NA	²⁰ Spud Date UPON APPROVAL

²¹ Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	8-5/8"	24#	1625'	750 SXS C	SURFACE
7-7/8"	5-1/2"	15.5#	4700'	850 SXS C	4000'

²² 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 BLOW OUT PREVENTER SCHEMATIC.

OPER. OGRID NO. 17643

PROPERTY NO. 009166

POOL CODE

EFF. DATE 11/9/94

API NO. 30-025-32736

DDIC1

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>L. M. Sanders</i> Printed name: L. M. SANDERS Title: SUPERVISOR, REG. AFFAIRS Date: 11/09/94 Phone: 915/368-1488		OIL CONSERVATION DIVISION Approved by: <i>Paul Kautz</i> Title: Geologist Approval Date: NOV 16 1994 Expiration Date: Conditions of Approval: Attached <input type="checkbox"/>	
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--

CASING & CEMENTING PROGRAM

EVGSAU - 388

Well 388 kickoff point is approx. 3000' build to 11-1/2 deg. and hold.

8 5/8" 24 lb/ft k-55 Surface Casing Set at 1625' - 12 1/4" Hole:

Lead to surface with 600 sx 75/25 Class "C" Pozmix + 4% gel + 2% CaCl₂

Slurry Weight:	13.5 ppg
Slurry Yield:	1.58 ft ³ /sx
Water Requirement:	7.99 gals/sx

Tail with 150 sx of Class "C" + 2% CaCl₂.

Slurry Weight:	14.8 ppg
Slurry Yield:	1.32 ft ³ /sx
Water Requirement:	6.3 gals/sx

5 1/2" 15.5 lb/ft J-55 Production Casing Set at 4700' - 7 7/8" Hole:

Lead: 500 sx Class "C" 65/35 Poz + 6% Gel + 3% Salt. Desired TOC = Surface.

Slurry Weight:	12.8 ppg
Slurry Yield:	1.85 ft ³ /sx
Water Requirement:	9.9 gals/sx

Tail: 350 sx Class "C" 50/50 Poz + 0.5% Halad-9 + 1.5% CaCl₂.
Desired TOC = 4000'.

Slurry Weight:	14.6 ppg
Slurry Yield:	1.15 ft ³ /sx
Water Requirement:	5.0 gals/sx

MUD PROGRAM

EVGSAU -388

DEPTH	MUD WEIGHT	VISCOSITY	FLUID LOSS	CL PPM	SOLIDS	ADDITIVES
Surf - 1625'	8.3 - 9.0 ppg	28 - 36 sec/1000cc	-	Fresh Water	-	FW Gel + Lime for spud mud.
1625' - 4700'	10.0 ppg	28 - 32 sec/1000cc	-	Saturated	-	Native Solids + Paper Sweeps before reaching pay zone. Circulate hole at TD prior to logging.

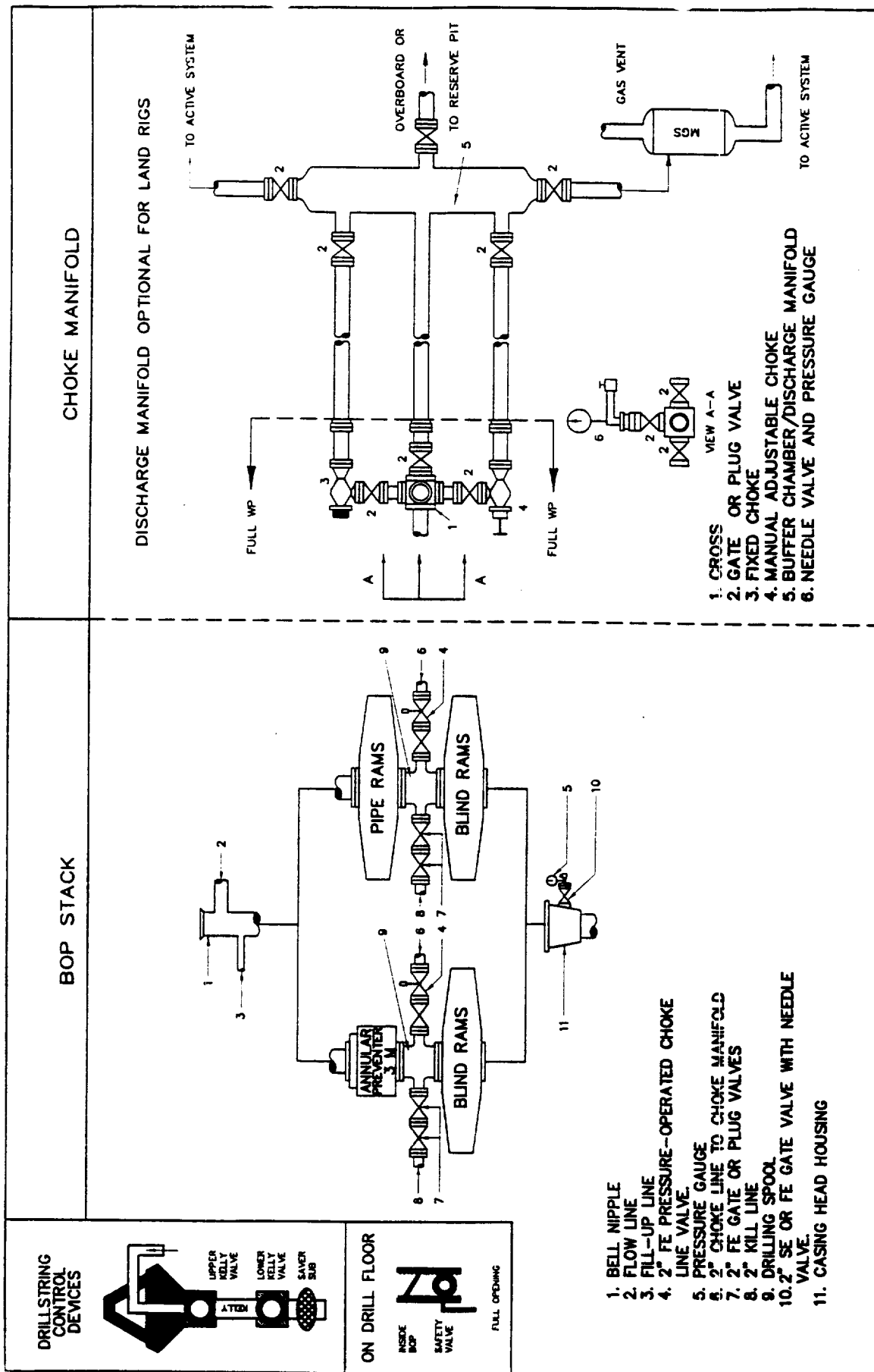


Fig. 2.4. Class 2 BOP and Choke Manifold.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

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

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 62180	Pool Name VACUUM GRAYBURG/SAN ANDRES
Property Code 009166	Property Name EAST VACUUM GB/SA UNIT	Well Number 388
OGRID No. 017643	Operator Name PHILLIPS PETROLEUM COMPANY	Elevation 3937'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	27	17 S	35 E		205	SOUTH	255	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
M	27	17 S	35 E		349'	SOUTH	414'	WEST	LEA

Dedicated Acres	2.1400 Infill	Consolidation Code	Order No.
	10		R-5897

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

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P

See Revised Plat

OPERATOR CERTIFICATION
I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
[Signature]
Signature
L. M. Sanders
Printed Name
Supv., Reg. Affairs
Title
November 9, 1994
Date

SURVEYOR CERTIFICATION
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 knowledge and belief.
NOVEMBER 27, 1994
Date Surveyed
Signature & Seal
Professional Surveyor
W.O. Num 94-11-1823
Certificate No. JOHN W. WEST, 676
RONALD J. EIDSON, 3239

Diagram:
BOTTOM HOLE LOC. 414'
SURFACE LOC. 255'
EVCSAU TR. 2721 #020
VCEU TR. 12 #02
426'