

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 S. 1st Street, Artesia, NM 88210-2834
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ 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 79762		² OGRID Number 017643
⁴ Property Code 9166	⁵ Property Name VACUUM GB/SA UNIT EAST TRACT 3127	³ API Number 30-0 25-34834
		⁶ Well No. 397

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
J	31	17-S	35-E		1910	SOUTH	2630	EAST	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
⁹ Proposed Pool 1 VACUUM GRAYBURG SAN ANDRES					¹⁰ Proposed Pool 2				

¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3977'
¹⁶ Multiple N	¹⁷ Proposed Depth 4850'	¹⁸ Formation GRAYBURG/SANANDRES	¹⁹ Contractor TO BE DETERMINED	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
11"	8-5/8"	24#	1550'	550	SURFACE
7-7/8"	5-1/2"	15.5#	4850'	900	SURFACE

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

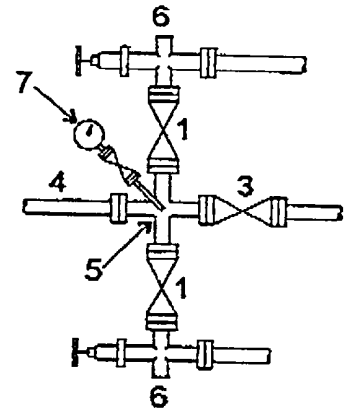
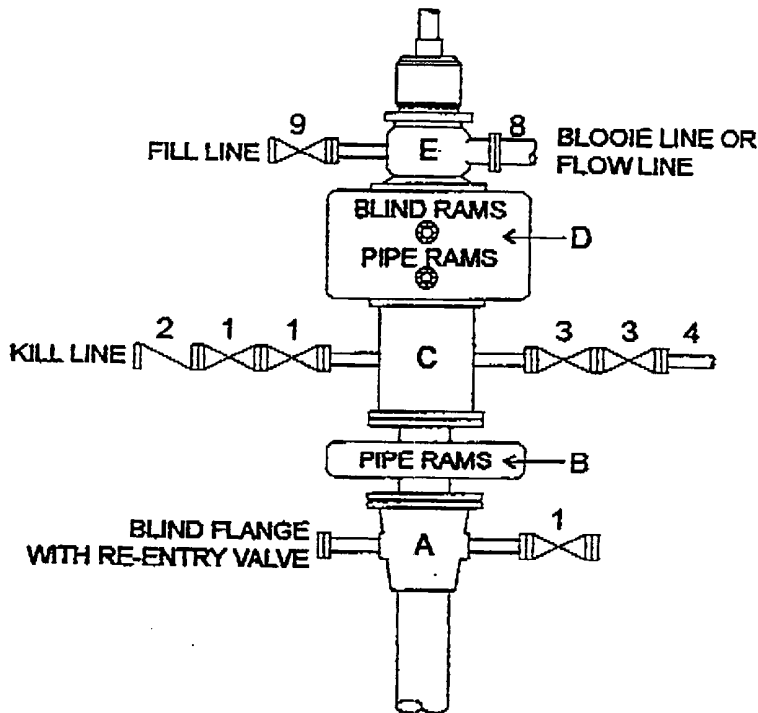
****BOP SCHEMATIC/DRILLING PROGRAM ATTACHED****

Approval for drilling only -- CANNOT produce until Non-Standard Location is approved in Santa Fe.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

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 01/05/00 915/368-1488 Title: SUPV., REGULATION/PRORATION	OIL CONSERVATION DIVISION Approved by: ORIGINAL SIGNED BY CHRIS WILLIAMS Title: DISTRICT I SUPERVISOR Approval Date: JAN 11 2000 Expiration Date:
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H₂S Trim Required
Yes _____ No _____



MATERIALS LIST

Item	Description	Qty.
A	Texaco wellhead.	1
B	5000# W.P. single ram type preventer, hydraulic operated with 1" steel, 5000# W.P. control lines.	1
C	3000# W.P. drilling spool with a 2" minimum flanged outlet for kill line and 3" minimum flanged outlet for choke line.	1
D	3000# W.P. dual ram type preventer, hydraulic operated 1" steel, 3000# W.P. control lines (where substructure height is adequate, 2 - 3000# W.P. single ram type preventers may be utilized.)	1
E	Rotating head with fill-up outlet and extended Blooie line.	1
1	2" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc plug valve.	5
2	2" minimum 3000# W.P. back pressure valve.	1
3	3" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc plug valve.	3
4	3" minimum schedule 80, Grade "B", seamless line pipe.	
5	2" minimum x 3" minimum 3000# W.P. flanged cross.	1
6	2" minimum 3000# W.P. adjustable choke body.	2
7	Cameron Mud Gauge or equivalent (location optional in choke line).	1
8	8-5/8" minimum steel flow line.	
9	2" minimum 3000# W.P. flanged or threaded full opening steel gate valve, or Halliburton Lo Torc plug valve.	1



Drilling Control
Condition II-B 3000# W.P.
For air drilling or where nitrogen
or air blows are expected

Rev. 4/1/98

Exhibit C
Texaco
Denver Region
Denver, Colorado



PRELIMINARY MUD PROGRAM

Depth	Type	Weight	Remarks
1550'	Fresh Water	8.4	Circulate pits or reserves, visc. 28
1550-4700	Brine	10	Circulate reserves, Lime pH 9, visc. 29
4700-4850	Brine	10	Starch for seepage, visc. 31

TUBULAR PROGRAM									
String Type	Hole Size	Depth	Feet	Casing Diameter	Weight	Grade	Connect. Type	ERW/Seamless	Critical Inspectn
Surface	11"	1550'	1550'	8 5/8"	24 #	WC-50	STC	ERW	No
Prod.	7 7/8"	4850'	4850'	5 1/2"	15.5#	WC-50	LTC	ERW	No
Tubing	Prod.	4750'	4750'	2 7/8"	6.5#	WC-50	EUE	ERW	No

Note: Pipe to end up in hole from top to bottom as shown.

CEMENT PROGRAM								
String Type	DV Depth	Stage Lead/Tail	Cement Bottom	Cement Top	No Sacks	Cement Type	Cement Yield	Cement Weight
Surface		Lead	1150'	Surface	400	"C"	1.69	13.5
		Tail	1550'	1150'	150	"C"/gel	1.34	14.8
Production		Lead	4550'	Surface	800	35/65po	1.94	12.8
		Tail	4850'	4550'	100	"H"	1.18	15.6

BOP PROGRAM		
Hole Size	Exhibit	Pressure Rating
	See Exhibit C (drill manual)	3M

Remarks: Potential water flows from the Salado at +/- 1700'
Install H2S equipment from 1550' - TD

ELF

ABOVE DATE DOES NOT
INDICATE WHEN
CONFIDENTIAL LOGS
WILL BE RELEASED

1/25/00