

Submit to Appropriate
District Office
State Lease - 6 copies
For Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

OIL CONSERVATION DIVISION

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

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

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

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

API NO. (assigned by OCD on New Wells)

30-025-30803

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

857948

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☒ RE-ENTER ☐ DEEPEN ☐ PLUG BACK ☐

b. Type of Well:

OIL WELL ☒ GAS WELL ☐ OTHER ☐

SINGLE ZONE ☒

MULTIPLE ZONE ☐

7. Lease Name or Unit Agreement Name

VACUUM GRAYBURG SAN ANDRES UNIT

2. Name of Operator

TEXACO PRODUCING INC.

8. Well No.

152

3. Address of Operator

P.O. BOX 3109 MIDLAND, TEXAS 79702

9. Pool name or Wildcat

VACUUM GRAYBURG SAN ANDRES

4. Well Location

Unit Letter D : 640 Feet From The NORTH Line and 1310 Feet From The WEST Line

Section 2 Township 18-S Range 34E NMPM LEA County

10. Proposed Depth

5000'

11. Formation

GRAYBURG-SAN ANDRES

12. Rotary or C.T.

R

13. Elevations (Show whether DF, RT, GR, etc.)

GR-4019

14. Kind & Status Plug. Bond

BLANKET

15. Drilling Contractor

Basin

16. Approx. Date Work will start

3-15-90

17.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2"	13 3/8"	48 #	40'	READY-MIX	SURFACE
12 1/4"	9 5/8"	32.3 #	1550'	800 SX	SURFACE
8 3/4"	7"	26 #	5000'	800 SX	SURFACE

CEMENTING PROGRAM

CONDUCTOR CASING - READY MIX

SURFACE CASING - 800 SACKS CLASS "H" WITH 27% CaCl₂ (15.6 ppg, 1.19 cu ft/sx 5.2 gal wtr/sx)

PRODUCTION CASING - 550 SACKS 35/65 POZ CLASS "H" WITH 69% GEL, 59% SALT, 1/4 # FLOCELE (12.8 ppg, 1.87 cu ft/sx, 9.9 gal wtr/sx) Followed By 250 SACKS CLASS "H" (15.6 ppg, 1.18 cu ft/sx, 5.2 gal wtr/sx).

NO OTHER OPERATOR IN THIS 1/4 1/4 SECTION.

UNORTHODOX LOCATION - 20 ACRE SPACING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE C. Wade Howard TITLE ENGINEERING ASSISTANT DATE 2-14-90

TYPE OR PRINT NAME C. WADE HOWARD TELEPHONE NO 688-4606

(This space for State Use) ORIGINAL SIGNED BY JERRY SEXTON

DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

764-2764

Permit Expires 6 Months From Approval Date Unless Drilling Underway.

MAR 14 1990

WRS COMPLETION REPORT

COMPLETIONS
 P1# 30-T-0019 07/06/90 SEC 2 TWP 18S RGE 34E
 30-025-30803-0000 PAGE 1

NMEX LEA * 660FNL 1310FWL SEC NW NW
 STATE COUNTY FOOTAGE SPOT
 TEXACO PROD
 OPERATOR D DO
 152 WELL CLASS INIT FIN
 WELL NO. VACUUM (GRAYBURG-SAN ANDRES) UNIT
 LEASE NAME
 4032KB 4019GR
 OPER ELEV VACUUM

API 30-025-30803-0000
 FIELD/POOL AREA
 03/28/1990 05/09/1990 ROTARY VERT OIL
 SPUD DATE COMP. DATE TYPE TOOL HOLE TYPE STATUS
 5000 GRBG-SAD BASIN 10 RIG SUB 12
 PROJ. DEPTH PROJ. FORM CONTRACTOR
 DTD 5000 PB 4850 FM/TD SN ANDRS
 DRILLERS T.D. LOG T.D. PLUG BACK TD OLD T.D. FORM T.D.

LOCATION DESCRIPTION

2 MI SW BUCKEYE, NM

CASING/LINER DATA

CSG 9 5/8 @ 1550 W/ 870 SACKS
 CSG 7 @ 5000 W/ 950 SACKS

TUBING DATA

TBG 2 7/8 AT 4812

INITIAL POTENTIAL

IPP 40BOPD 22 MCFD 93BW 24HRS
 GRAYBURG PERF 4414- 4484 GROSS
 SN ANDRS PERF 4590- 4781 GROSS
 GTY 32.3 GOR 550
 FIELD /RESERVOIR
 /GRAYBURG-SAN ANDRES
 COMMINGLED

TYPE	FORMATION	LTH	TOP DEPTH/SUB	BSE DEPTH/SUB
LOG	RUSTLER		1580 2452	
LOG	SALT		1604 2428	
LOG	GRAYBURG		4300 -268	3050 982
LOG	SN ANDRS		4507 -475	

SUBSEA MEASUREMENTS FROM KB

CONTINUED IC# 300257006190

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Petroleum Information

DB a company of
 The Dun & Bradstreet Corporation

PI-WRS-GEJ
 Form No 187

COMPLETIONS SEC 2 TWP 18S RGE 34E
PI# 30-T-0019 07/06/90 30-025-30803-0000 PAGE 2

TEXACO PROD D DO
152 VACUUM (GRAYBURG-SAN ANDRES) UNIT

PRODUCTION TEST DATA

PTP 17BOPD 64 MCFD 81BW 24HRS
SN ANDRS PERF W/ 48/IT 4730- 4781 GROSS
PERF 4730- 4740 4756- 4766 4777- 4781
ACID 4730- 4781 2500GALS
28% NEFE

SN ANDRS PERF W/ 66/IT 4590- 4644 GROSS
PERF 4590- 4594 4599- 4612 4620- 4626 4636- 4644
ACID 4590- 4644 2500GALS
28% NEFE

SN ANDRS PERF W/ 30/IT 4544- 4570 GROSS
PERF 4544- 4547 4552- 4558 4564- 4570
ACID 4544- 4570 1000GALS
28% NEFE

PTP 27 MCFD 24HRS
SN ANDRS PERF 4544- 4781 GROSS
PPD 385 BLW, 27 MCFCG IN 24 HRS

PTP 25BOPD 122BW 24HRS
SN ANDRS PERF 4544- 4781 GROSS

GRAYBURG PERF W/ 74/IT 4414- 4484 GROSS
PERF 4414- 4426 4438- 4451 4468- 4474 4480- 4484
ACID 4414- 4484 3000GALS
28% NEFE

PTP 44BOPD 163BW 24HRS
GRAYBURG PERF 4414- 4484 GROSS
SN ANDRS PERF 4590- 4781 GROSS
COMMINGLED

LOGS AND SURVEYS /INTERVAL,TYPE/

LOGS	GR	DLL	MSFL
LOGS	CNL	LDT	CAL

DRILLING PROGRESS DETAILS

TEXACO PROD
BOX 3109

CONTINUED

COMPLETIONS SEC 2 TWP 18S RGE 34E
PI# 30-T-0019 07/06/90 30-025-30803-0000 PAGE 3

TEXACO PROD D DO
152 VACUUM (GRAYBURG-SAN ANDRES) UNIT

DRILLING PROGRESS DETAILS

MIDLAND, TX 79702
915-688-4100
02/16 LOC/1990/
03/28 DRLG 168
04/12 5000 TD, PB 4850, WOP
04/12 DEVIATION SURVEYS @ 250 (1 DEG), 740 (1/2 DEG),
1231 (3/4 DEG), 1550 (3/4 DEG), 1920 (1 DEG),
2390 (1 DEG), 2883 (2 3/4 DEG), 3175 (2 1/4 DEG)
3662 (2 DEG), 3760 (2 DEG), 4258 (2 1/4 DEG),
4754 (2 1/4 DEG), 5000 (2 1/4 DEG)
04/26 5000 TD, PB 4850, TOP
05/10 5000 TD, PB 4850, TOP
07/02 RIG REL 04/05/90
5000 TD, PB 4850
COMP 5/9/90, IPP 40 BO, 22 MCFG, 93 BWPD,
GOR 550, GTY 32.3
PROD ZONE - GRAYBURG-SAN ANDRES 4414-4781
(COMMINGLED)
NO CORES OR DSTS RPTD