

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

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

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

WELL API NO. 30-025-30846
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B-1306-1
7. Lease Name or Unit Agreement Name VACUUM GRAYBURG SAN ANDRES UNIT
8. Well No. 146
9. Pool name or Wildcat VACUUM GRAYBURG SAN ANDRES

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER WATER INJECTION	
2. Name of Operator TEXACO EXPLORATION AND PRODUCTION INC.	
3. Address of Operator P. O. Box 3109 Midland, Texas 79702	
4. Well Location Unit Letter <u>B</u> : <u>1324</u> Feet From The <u>NORTH</u> Line and <u>1980</u> Feet From The <u>EAST</u> Line Section <u>2</u> Township <u>18-SOUTH</u> Range <u>34-EAST</u> NMPM LEA County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) GR-4013', KB-4026'	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input checked="" type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>
	OTHER: SPUD & SURFACE CASING <input checked="" type="checkbox"/>

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1. ROD RIC RIG #4 SPUD 11 IN. HOLE @ 4:00 PM 08-12-93. DRILLED TO 1570'. TD @ 11:00 AM 08-13-93.
2. RAN 36 JTS OF 8 5/8, 24#, WC-50, STC CASING SET @ 1570'. RAN 10 CENTRALIZERS.
3. DOWELL CEMENTED WITH 500 SACKS CLASS C W/ 4% GEL, 2% CACL2 (13.5 PPG, 1.74 CF/S). F/B 150 SACKS CLASS C W/ 2% CACL2 (14.8 PPG, 1.32 CF/S). PLUG DOWN @ 8:00 PM 08-13-93. CIRCULATED 58 SACKS.
4. NU BOP & TESTED TO 1500#. TESTED CASING TO 1500# FOR 30 MINUTES FROM 7:00 AM TO 7:30 AM 08-14-93.
5. WOC TIME 11 HOURS FROM 8:00 PM 08-13-93 TO 7:00 AM 08-14-93. REQUIREMENTS OF RULE 107, OPTION 2:
 1. VOLUME OF CEMENT SLURRY: LEAD 870 (CU.FT), TAIL 198 (CU.FT).
 2. APPROX. TEMPERATURE OF SLURRY WHEN MIXED: 50 F.
 3. EST. FORMATION TEMPERATURE IN ZONE OF INTEREST: 90 F.
 4. EST. CEMENT STRENGTH AT TIME OF CASING TEST: 1265 PSI.
 5. ACTUAL TIME CEMENT IN PLACE PRIOR TO TESTING: 11 HOURS.
6. DRILLING 7 7/8 HOLE.

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

SIGNATURE C.P. Basham / SDH TITLE DRILLING OPERATIONS MANAGER DATE 08-18-93
TYPE OR PRINT NAME C.P. BASHAM TELEPHONE NO. 915-6884620

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____ DATE AUG 20 1993
CONDITIONS OF APPROVAL, IF ANY:



CEMENTING REPORT

File No.: H093353Report Date: 7/25/93Operator: Texas Requested By: _____Lease No: VGSAU #127, #146 Service Point: HNM.Location: LEU Type of Job: SoF

Test Conditions:

Depth: 1500 ft., Temp Grad _____, BHST: 90 °F, BHCT: 85 °F

Properties:	Density (ppg)	Yield (cu ft/sk)	Mix Water (gal/sk)	Total Liquid (gal/sk)	Water Source	Cement Source
System No. 1	<u>13.5</u>	<u>1.74</u>	<u>9.11</u>	<u>9.11</u>		
System No. 2	<u>14.8</u>	<u>1.32</u>	<u>4.32</u>	<u>4.32</u>		
System No. 3						
System No. 4						

Cement System Compositions:

System No. 1 C + 4% D20 + 2% S1

System No. 2 C + 2% S1

System No. 3 _____

System No. 4 _____

Thickening Time Results

Rheology Results

SYSTEM	THICKENING TIME (MIN)	SG	300	200	100	50	30	10	5	PPV or n	Tyork	RHEOLOGY MODEL	L.O.D.
No. 1	<u>3:15</u>	<u>70</u>	<u>45</u>	<u>40</u>	<u>35</u>	<u>29</u>	<u>24</u>	<u>21</u>	<u>19</u>				
No. 2	<u>2:00</u>	<u>70</u>	<u>41</u>	<u>34</u>	<u>30</u>	<u>24</u>	<u>22</u>	<u>17</u>	<u>14</u>				
No. 3													
No. 4													

Compressive Strengths - psi

SYSTEM	TEMP	6 HRS.	12 HRS.	24 HRS.
No. 1	<u>90 °F</u>	<u>400</u>	<u>900</u>	<u>1400</u>
No. 1	°F			
No. 2	<u>90 °F</u>	<u>600</u>	<u>1400</u>	<u>2000</u>
No. 2	°F			
No. 3	°F			
No. 3	°F			
No. 4	°F			
No. 4	°F			

FLUID LOSS

FREE WATER

SYSTEM	°F	psi	°F
		mL/30 min	mL
No. 1			
No. 2			
No. 3			
No. 4			

Remarks: _____

Chemist: _____