

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box 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.	30-015-28420
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name	DEMUDA BASIN STATE
8. Well No.	4
9. Pool Name or Wildcat	
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3041'

SUNDRY NOTICES AND REPORTS ON WELL
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT TO DRILL" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. Name of Operator
TEXACO EXPLORATION & PRODUCTION INC.

3. Address of Operator
P.O. Box 46510, Denver Colorado 80201-6510

4. Well Location
Unit Letter N 660 Feet From The SOUTH Line and 1980 Feet From The WEST Line
Section 19 Township 23-S Range 30-E NMPM EDDY COUNTY

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPERATION ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: SPUD, SURF CSG, PROD CSG. ☐

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.

- PETERSON SPUD 14-3/4 INCH HOLE @ 6:00 PM 07-14-95. DRILLED TO 405'. TD @ 12:45 AM 07-15-95.
- RAN 10 JOINTS OF 11-3/4", 24#, WC-50, STC CASING SET @ 405'. RAN 6 CENTRALIZERS.
- DOWELL CEMENTED WITH 400 SACKS CLASS C W/ 2% CACL2 (14.8 PPG, 1.34 CF/S). PLUG DOWN @ 4:36 AM 07-15-95. CIRCULATED 195 SACKS.
- NU BOP & TESTED TO 1200#. TESTED CASING TO 1200# FOR 30 MINUTES FROM 4:30 PM TO 5:00 PM 07-15-95.
- WOC TIME 12 HOURS AND 6 MINUTES FROM 4:36 AM TO 4:30 PM 07-15-95. REQUIREMENTS OF RULE 107, OPTION 2:
 - VOLUME OF CEMENT SLURRY: LEAD 536 (CU. FT.)
 - APPROX. TEMPERATURE OF SLURRY WHEN MIXED: 50 F.
 - EST. FORMATION TEMPERATURE IN ZONE OF INTEREST: 90 F.
 - EST. CEMENT STRENGTH AT TIME OF CASING TEST: 1390 PSI.
 - ACTUAL TIME CEMENT IN PLACE PRIOR TO TESTING: 12 HOURS AND 6 MINUTES.
- DRILLING 11 INCH HOLE.
- DRILLED 11 INCH HOLE TO 3205'. TD @ 7:30 AM 07-19-95.
- RAN 77 JOINTS OF 8 5/8, 24# WC-50, LTC CASING SET @ 3205'. RAN 15 CENTRALIZERS.
- DOWELL CEMENTED W/ 800 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/S). F/B 150 SACKS CLASS H W/ 2% CACL2 (15.6 PPG, 1.19 CF/S). PLUG DOWN @ 6:00 PM 07-19-95. CIRCULATED 210 SACKS.
- NU BOP AND TESTED TO 1200#. TESTED CASING TO 1200# FOR 30 MINUTES FROM 12:00 PM TO 12:30 PM 07-20-95.
- WOC TIME 18 HOURS FROM 6:00 AM 07-19-95 TO 12:00 PM 07-20-95. DRILLING 7 7/8 HOLE.
- DRILLED 7 7/8 HOLE TO 8500'. TD @ 8:30 PM 07-27-95.
- HLS RAN #1 GR-DITE FROM 3205-8500', RN #2 LDT-CNL-NGT-CAL FROM SURFACE TO 8500'. RN #3 DLL-MSF-GR FROM 6000-8500'. RN #4 CMR FROM 4000 TO 8500'.
- RAN 73 JOINTS OF 5 1/2, 17# K-55, (3013.49') RAN 123 JTS OF 15.5# K-55, STC CASING SET @ 5481.36'. DV TOOL @ 4997'.
- DOWELL CEMENTED 1ST STAGE W/900 SACKS 50/50 POZ CLASS H W/ 2% GEL, 5% SALT, 1/4# FLOCELE (14.2 PPG, 1.35 CF/S). PLUGGED DN @ 10:15 AM. 07-30-95. CIRC. DV TOOL 45 SXS. CMT TO PIT. 2ND STAGE: CEMENTED W/750 SACKS 50/50 POZ CLASS H W/ 2% GEL, 5% SALT, 1/4# FLOCELE (14.2 PPG, 1.35 CF/S). ND. RELEASE RIG @ 9:00 PM 07-30-95. PREP TO COMPLETE.

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

SIGNATURE C.P. Basham / SET TITLE Drilling Operations Mgr. DATE 7/7/95

TYPE OR PRINT NAME C. P. Basham Telephone No. (303)621-4851

(This space for State Use) **ORIGINAL SIGNED BY TIM W. GUM**

APPROVED BY **DISTRICT II SUPERVISOR** TITLE _____ DATE **NOV 20 1995**

CONDITIONS OF APPROVAL, IF ANY:

Schlumberger

Dowell

CemDABE Cement Test Report

July 15, 1995

DATE OF TEST : 15-jul-1995

TEST NUMBER : NPD554000001

CUSTOMER : TEXACO
FIELD : EDDY NM
WELL : REMUDA BASIN 19 4

CEMENT
Class : C
Blend :
Brand : LONESTAR
Plant : MARYNEAL

BASE FLUID
Density : 8.32 lb/gal
Volume : 6.32 gal/sk
Type : LO
Total liquid : 6.32 gal/sk

SLURRY
Density : 14.80 lb/gal
Yield : 1.32 ft³/sk

B.H.S.T. : 90.0 F

B.H.C.T. : 85.0 F

ADDITIVES		
Code	Concent.	Unit
S001	2.000	% BWOC

Rheometer type : Fann 35

Spring factor : 1.0

Bob No : 1

Rotor No : 1

Rheological model (Dial 1) : Bingham Plastic

T_y : 24.235 lbf/100ft²

P_o : 16.626 cP

Correlation coefficient : 0.977

Thickening Time : 2 hr 2 mn to 70 BC

API Schedule :

Set condition :

Consistometer serial number :

No Fluid Loss data available

No Free Water data available

Rheological data		
Temp. (F) :	75.0	0.0
R.P.M.	Dial 1	Dial 2
300.0	40.0	0.0
200.0	36.0	0.0
100.0	31.0	0.0
60.0	26.0	0.0
30.0	20.0	0.0
6.0	17.0	0.0
3.0	14.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
10 minutes Gel : 0.0		

Compressive strength		
PSI	Hours	Temp. (F)
600	6.0	90.0
1390	12.0	90.0
1990	24.0	90.0

Comment :

FIELD BLEND

CLASS C + 2% S1

LOCATION WATER USED

SURFACE 400' POD = 1:20

Schlumberger

Dowell

CemDABE Cement Test Report

July 17, 1995

DATE OF TEST : 17-jul-1995

TEST NUMBER : NPD554600001

CUSTOMER : TEXACO
FIELD : EDDY NM
WELL : REMUDA BASIN 19 4

CEMENT
Class : H
Blend : 3565
Brand : LONESTAR
Plant : MARYNEAL

BASE FLUID

Density : 8.32 lb/gal
Volume : 11.50 gal/sk
Type : LO
Total liquid : 11.50 gal/sk

SLURRY

Density : 12.40 lb/gal
Yield : 2.14 ft³/sk

ADDITIVES		
Code	Concent.	Unit
D020	6.000	% BWOC
D029	0.250	% BWOC
D044	5.000	% BWOW

B.H.S.T. : 101.0 F

B.H.C.T. : 93.0 F

Rheological model (Dial 1) : Bingham Plastic

T_y : 22.752 lbf/100ft²

P_v : 9.038 cP

Correlation coefficient : 0.982

Thickening Time : 9 hr38 min to 70 BC

API Schedule :

Set condition :

Consistometer serial number :

No Fluid Loss data available

No Free Water data available

Rheometer type : Fann 35

Spring factor : 1.0

Bob No : 1

Rotor No : 1

Rheological data		
Temp. (F) :	75.0	0.0
R.P.M.	Dial 1	Dial 2
300.0	32.0	0.0
200.0	28.0	0.0
100.0	26.0	0.0
60.0	23.0	0.0
30.0	22.0	0.0
6.0	15.0	0.0
3.0	10.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
10 minutes Gel : 0.0		

Compressive strength		
PSI	Hours	Temp. (F)
180	6.0	101.0
315	12.0	101.0
419	24.0	101.0

Comment :

FIELD BLEND

35/65 POZ/H + 6% D20 + 5% D44 (BWOW) + 0.25PPS D29

LOCATION WATER USED

INTERMEDIATE 3200' LEAD POD = 3:43

Schlumberger

Dowell

CemDABE Cement Test Report

July 20, 1995

DATE OF TEST : 19-jul-1995

TEST NUMBER : NPD554600002

CUSTOMER : TEXACO
FIELD : EDDY NM
WELL : REMUDA BASIN 19 4

CEMENT
Class : H
Blend :
Brand : LONESTAR
Plant : MARYNEAL

BASE FLUID

Density : 8.32 lb/gal
Volume : 5.60 gal/sk
Type : LO
Total liquid : 5.60 gal/sk

SLURRY

Density : 15.60 lb/gal
Yield : 1.18 ft³/sk

B.H.S.T. : 101.0 F

B.H.C.T. : 93.0 F

No additives

Rheometer type : Fann 35

Spring factor : 1.0

Bob No : 1

Rotor No : 1

Rheological model (Dial 1) : Bingham Plastic

T_y : 28.383 lbf/100ft²

P_v : 18.666 cP

Correlation coefficient : 0.986

Thickening Time : 3 hr48 mn to 70 BC

API Schedule :

Set condition :

Consistometer serial number :

No Fluid Loss data available

No Free Water data available

Rheological data		
Temp. (F) :	75.0	0.0
R.P.M.	Dial 1	Dial 2
300.0	47.0	0.0
200.0	40.0	0.0
100.0	36.0	0.0
60.0	31.0	0.0
30.0	27.0	0.0
6.0	26.0	0.0
3.0	19.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
10 minutes Gel : 0.0		

Compressive strength		
PSI	Hours	Temp. (F)
450	6.0	101.0
1300	12.0	101.0
2006	24.0	101.0

Comment :

FIELD BLEND

CLASS H NEAT

LOCATION WATER USED

INTERMEDIATE TAIL 3200' POD = 2:28

Schlumberger

Dowell

CemDABE Cement Test Report

July 25, 1995

DATE OF TEST : 25-jul-1995

TEST NUMBER : NPD556600002

CUSTOMER : TEXACO
FIELD : EDDY NM
WELL : REMUDA BASIN 19 4

CEMENT
Class : H
Blend : 5050
Brand : LONESTAR
Plant : MARYNEAL

BASE FLUID

Density : 8.32 lb/gal
Volume : 6.30 gal/sk
Type : LO
Total liquid : 6.30 gal/sk

SLURRY

Density : 14.20 lb/gal
Yield : 1.35 ft³/sk

ADDITIVES		
Code	Concent.	Unit
D013	0.200	% BWOC
D020	2.000	% BWOC
D029	0.250	% BWOC
D044	5.000	% BWOW

B.H.S.T. : 140.0 F

B.H.C.T. : 120.0 F

Rheometer type : Fann 35

Spring factor : 1.0

Bob No : 1

Rotor No : 1

Rheological model (Dial 1) : Bingham Plastic

T_y : 7.761 lbf/100 ft²

P_v : 12.374 cP

Correlation coefficient : 1.000

Thickening Time : 4 hr15 mn to 70 BC

API Schedule :

Set condition :

Consistometer serial number :

No Fluid Loss data available

No Free Water data available

Rheological data		
Temp. (F) :	75.0	0.0
R.P.M.	Dial 1	Dial 2
300.0	20.0	0.0
200.0	16.0	0.0
100.0	12.0	0.0
60.0	10.0	0.0
30.0	9.0	0.0
6.0	7.0	0.0
3.0	6.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
10 minutes Gel : 0.0		

Compressive strength		
PSI	Hours	Temp. (F)
100	6.0	140.0
820	12.0	140.0
1320	24.0	140.0

Comment :

FIELD BLEND RAN FOR 1HR; STOPPED FOR 40 MINS; RESTARTED

50/50 PDZ/H + 2% D20 + 5% D44 (BWOW) + 0.2% D13 + 0.25PPS D29

LOCATION WATER USED

LONG STRING 1ST STAGE 8500' POD = 3:07

July 29, 1995

DATE OF TEST : 29-jul-1995

TEST NUMBER : NPD556600003

CUSTOMER : TEXACO
FIELD : EDDY NM
WELL : REMUDA BASIN 19 4

CEMENT
Class : H
Blend : 5050
Brand : LONESTAR
Plant : MARYNEAL

BASE FLUID

Density : 8.32 lb/gal
Volume : 6.30 gal/sk
Type : LO
Total liquid : 6.30 gal/sk

SLURRY

Density : 14.20 lb/gal
Yield : 1.35 ft³/sk

ADDITIVES		
Code	Concent.	Unit
D020	2.000	% BWOC
D029	0.290	% BWOC
D044	5.000	% BWOW

B.H.S.T. : 122.0 F
B.H.C.T. : 110.0 F

Rheological model (Dial 1) : Bingham Plastic

T_y : 20.371 lbf/100ft²

P_v : 18.132 cP

Correlation coefficient : 0.998

Thickening Time : 2 hr35 mn to 70 BC

API Schedule :

Set condition :

Consistometer serial number :

No Fluid Loss data available

No Free Water data available

Rheometer type : Fann 35

Spring factor : 1.0

Bob No : 1

Rotor No : 1

Rheological data		
Temp. (F) :	75.0	0.0
R.P.M.	Dial 1	Dial 2
300.0	38.0	0.0
200.0	33.0	0.0
100.0	26.0	0.0
60.0	24.0	0.0
30.0	22.0	0.0
6.0	18.0	0.0
3.0	16.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
10 minutes Gel : 0.0		

Compressive strength		
PSI	Hours	Temp. (F)
100	6.0	122.0
800	12.0	122.0
1400	24.0	122.0

Comment :

FIELD BLEND

50/50POZ/H + 2%D20 + 5%D44(BWOW) + 1/4#SKD29

LOCATION WATER USED

LONG STRING 2ND STAGE 6000' POD = 1:50