

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. 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.	30-015-29284
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name	NEW MEXICO 'DF' STATE CONTRACT
8. Well No.	3
9. Pool Name or Wildcat	INDIAN BASIN PENN
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	4059'

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT
(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 2100, Denver Colorado 80201

4. Well Location
Unit Letter G : 2000 Feet From The NORTH Line and 1650 Feet From The EAST Line
Section 32 Township 21-S Range 23-E NMPM EDDY COUNTY

10. Elevation (Show whether DF, RKB, RT, GR, etc.) 4059'

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, SURG 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 RIG #2 SPUD 12.25 INCH HOLE @ 4:00 PM 12-22-96. DRILLED TO 1500'. TD @ 1:45 AM 12-25-96.
- RAN 40 JOINTS OF 9 5/8 INCH, 24#, WC-50, STC CASING SET @ 1500'. RAN 15 CENTRALIZERS.
- DOWELL CEMENTED WITH 400 SACKS CLASS C W/ 4% GEL, 2% CACL2 (13.5 PPG, 1.74 CF/S 9.1 GW/S). F/B 250 SACKS CLASS C W/ 2% CACL2 (14.8 PPG, 1.34 CF/S 6.3 GW/S). PLUG DOWN @ 10:45 PM 12-25-96. CIRC 15 SACKS. RAN TEMP SURVEY, TOC @ 411'
- NU BOP & TESTED TO 1200#. TESTED CASING TO 1000# FOR 30 MINUTES FROM 1:30 PM TO 2:00 PM 12-26-96.
- WOC TIME 14 HOURS AND 45 MINUTES FROM 10:45 PM 12-25-96 TO 1:30 PM 12-26-96. REQUIREMENTS OF RULE 107, OPTION 2:
 - VOLUME OF CEMENT SLURRY: LEAD 696 (CU. FT.), TAIL 335 (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: 1767 PSI.
 - ACTUAL TIME CEMENT IN PLACE PRIOR TO TESTING: 14 HOURS AND 45 MINUTES.
- DRILLING 7 7/8 INCH HOLE.
- DRILLED 7 7/8 INCH HOLE TO 6920'. TD @ 9:45 AM 01-06-97.
- RU SCHLUMBERGER. SCHLUMBERGER LOG PLATFORM EXPRESS 6915'-1500'. LOG CMR 3600'-160'.
- RAN 155 JOINTS OF 7 INCH, 26#, S-95, LTC CASING SET @ 6920'.
- DOWELL CEMENTED: 1ST STAGE - 600 SACKS 50/50 POZ CLASS H W/ 2% GEL, 5% SALT, 1/4# FLOCELE (14.2 PPG, 1.35 CF/S, 6.3 GW/S). DV TOOL @ 3600'. CIRCULATED 125 SACKS OFF DV TOOL. 2ND STAGE - 350 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.4 PPG, 2.14 CF/S). F/B 100 SACKS CLASS H NEAT (15.6 PPG, 1.18 CF/S). PLUG DOWN @ 8:00 AM 01-09-97. CIRCULATED 76 SACKS.
- ND. RELEASE RIG @ 2:00 PM 01-09-97.
- 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. Beahm TITLE Eng. Assistant.

DATE 1/17/97

TYPE OR PRINT NAME Sheilla D. Reed-High

Telephone No. (303) 621-4851

(This space for State Use)

APPROVED

CONDITIONS OF APPROVAL, IF ANY:

TITLE

Jim W. Beahm BGA

DATE

1-28-97

DeSoto/Nichols 10-94 ver. 2.0

Schlumberger
Dowell

CemDABE Cement Test Report

January 5, 1997

DATE OF TEST : 05-jan-1997

TEST NUMBER : NPD700800001

CUSTOMER : TEXACO
FIELD : EDDY NM
WELL : N M STATE DF COM 3

CEMENT

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

BASE FLUID

Density : 8.32 lb/gal
Volume : 11.95 gal/sk
Type : LO
Total liquid : 11.95 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. : 105.0 F

B.H.C.T. : 96.0 F

Rheological model (Dial 1) : Bingham Plastic

 $T_y : 7.161 \text{ lbf}/100\text{ft}^2$ $P_v : 8.877 \text{ cP}$

Correlation coefficient : 1.000

Thickening Time : 13 hr 5 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	16.0	0.0
200.0	13.0	0.0
100.0	10.0	0.0
60.0	9.0	0.0
30.0	8.0	0.0
6.0	6.0	0.0
3.0	5.0	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)
150	6.0	105.0
360	12.0	105.0
440	24.0	105.0

Comment :

FIELD BLEND

35/65POZ/H + 6%D20 + 5%D44(BWOW) + 0.25PPSD29

LOCATION WATER USED

LONG STRING 2ND STAGE LEAD 3600' POD = 4:10

Schlumberger

Dowell

CemDABE Cement Test Report

January 6, 1997

DATE OF TEST : 06-jan-1997

TEST NUMBER : NPD700800002

CUSTOMER : TEXACO
 FIELD : EDDY NM
 WELL : NM STATE DF COM 3

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	0.260	% BWOC
D044	5.000	% BWOW

B.H.S.T. : 122.0 F

R.H.C.T. : 112.0 F

Rheological model (Dial 1) : Bingham Plastic

 $T_y : 30.423 \text{ lbf}/100 \text{ ft}^2$ $P_v : 13.587 \text{ cP}$

Correlation coefficient : 0.999

Thickening Time : 3 hr30 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	44.0	0.0
200.0	39.0	0.0
100.0	35.0	0.0
60.0	33.0	0.0
30.0	26.0	0.0
6.0	21.0	0.0
3.0	18.0	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)
116	6.0	122.0
776	12.0	122.0
1387	24.0	122.0

Comment :

FIELD BLEND

50/50 POZ/H + 2% D20 + 6% D44 (DWOW) + 0.25PPS D29

LOCATION WATER USED

LONG STRING 1ST STAGE 6900' POD = 2:04

Schlumberger

Dowell

CemDABE Cement Test Report

January 6, 1997

DATE OF TEST : 06-Jan-1997

TEST NUMBER : NPD700800003

CUSTOMER : TEXACO
 FIELD : EDDY NM
 WELL : NM STATE DF COM 3

CEMENT

Class : H
 Blend :
 Brand : LONESTAR
 Plant : MARYNEAL

BASE FLUID

Density : 8.32 lb/gal
 Volume : 5.20 gal/sk
 Type : LO
 Total liquid : 5.20 gal/sk

SLURRY

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

B.H.S.T. : 105.0 F

B.H.C.T. : 96.0 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 : 27.631 lb_f/100 ft² P_0 : 19.578 cP

Correlation coefficient : 0.979

Thickening Time : 5 hr47 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	30.0	0.0
30.0	25.0	0.0
6.0	22.0	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	105.0
996	12.0	105.0
1467	24.0	105.0

Comment :

FIELD BLEND

CLASS H NEAT

LOCATION WATER USED

LONG STRING 2D STAGE TAIL 3600'



CEMENTING REPORT

File No.: _____

Report Date: _____

Operator: Texas Requested By: _____Lease No: NM State DF Cam #3 Service Point: HNMLocation: Eld, NM Type of Job: Surface

Test Conditions:

Depth: 1500 ft., Temp Grad _____, BHST: 92 °F, BHCT: 88 °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>	<u>Loc</u>	<u>C</u>
System No. 2	<u>14.8</u>	<u>1.32</u>	<u>6.32</u>	<u>6.32</u>	<u>Loc</u>	<u>C</u>
System No. 3						
System No. 4						

Cement System Compositions:

System No. 1 C + 42 D20 + 27.51System No. 2 C + 27.51

System No. 3 _____

System No. 4 _____

Thickening Time Results

Rheology Results

SYSTEM	HR:MIN	BC	300	200	100	60	30	6	3	PV or n'	Ty or k'	REHOLOGY MODEL	L.O.D.
No. 1	3:00	70	36	31	27			14	12				
No. 2	2:00	70	40	36	31			17	14				
No. 3													
No. 4													

Compressive Strengths - psi

SYSTEM	TEMP.	6 HRS.	12 HRS.	24 HRS.
No. 1	°F	250	500	800
No. 1	°F			
No. 2	°F	660	1400	2000
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: Pressure Data

Chemist: _____

TEXACO Denver
Division**DRILLING REPORT**Date: 12/26/96
Report: 4

Well: NM "DF" ST. COM #3	Activity: CMT SURFACE	Spud Date: 12/22/96	CD: 4
Field: INDIAN BASIN PENN	TD: 0	Footage: 0	API No: 30-015-28284-00-
County: EDDY	State: NM	ATD: 7.000	Hours: 0
OU:	PBTD: 0	Class: Dev	Estimate No: 886013
Objective: CISCO DOLO	KB: 0	BOP Days:	Supervisor: JOHNSTON
Lithology: / /	GL: 4.059	IDC#/Ft:	Phone: (505) 393-4994
		Contractor: PETERSON #2	Daywork

DIRECTIONAL SURVEYS			
M Dpth	Inclination	Azimuth	DLS
1,500	0.75	0.0	0.00
1,300	1.00	0.0	0.00
835	0.50	0.0	0.00
531	0.75	0.0	0.00
193	0.50	0.0	0.00

LAST SURVEY	
Measured Depth:	1,500
True Vertical Depth:	0.00
Inclination:	0.75
Azimuth:	0.00
North/South Coordinate:	0.00
East/West Coordinate:	0.00
Vertical Section:	0.00
Dog Leg:	0.00
Survey Tool:	

WORK	
0.50	L/D 8" DC
3.00	R/U CSG CREW, RAN 40 JTS 9 5/8" CSG, TOTAL FEET 1506, SET AT 1500'
0.50	R/U DOWELL, WASH 20' TO BTM
1.75	CMT, PUMPED 200 BBLS FRESH WATER AHEAD, LEAD: 400 SX CLASS "C", TAIL: 250 SX CLASS "C", PLUG DOWN AT 10:45 A.M. 12/25/96, FLOAT DID NOT HOLD
6.25	WOC
0.50	R/U PRO WL, RAN TEMP SURVEY, TOC @ 411'
0.75	RAN IN HOLE W/ 1", TAGGED AT 465', CMT W/ 50 SX CLASS "C"
1.00	WOC
5.00	W/O CMT PUMP
0.25	CMT W/ 35 SX CLASS "C" AT 436'
1.00	WOC
0.50	CMT AT 436' W/ 35 SX CLASS "C"
1.00	WOC
0.50	CMT AT 396' W/ 35 SX CLASS "C"
1.00	WOC
0.50	CMT AT 376' W/ 50 SX CLASS "C"

24.00 TOTAL HOURS

MUD DATA		
Mud Wt:	0	Oil: 0
Viscosity:	0	MBT: 0
PV:	0	pH: 0
YP:	0	Pm: 0
10 Sec Gel:	0	Pt: 0
10 Min Gel:	0	Chl: 0
WL:	0	CA: 0
HTHP:	0	Ex Lime: 0
FC:	0	Elec Slab: 0
Solids:	0	Temp: 0
Daily Cost:	\$0	Cum: \$0

TUBULARS			
Prop Size	Prop MD	Actual Size	Actual MD
3.500	6.900	0.000	0
7.000	6.900	0.000	0
9.825	1.500	0.000	0

ESTIMATE COSTS			
	MOH	Cash	Totals
DH:	\$110000	\$325000	\$435000
Compl:	\$35000	\$85000	\$120000
Total:	\$145000	\$410000	\$555000

ACTUAL COSTS			
	MOH	Cash	Totals
DH:	\$5000	\$80000	\$85000
Compl:	\$3000	\$2000	\$5000
Total:	\$8000	\$82000	\$90000
Daily:	\$0	\$0	\$0

MUD MATERIAL	

HYDRAULICS					
	Liner Size	Stk Lgth	SPM	GPM	PSI
PUMP #1:	0	0	0	0	0
PUMP #2:	0	0	0	0	0

SLOW PUMP RATES		
	PSI	SPM
PUMP #1:	0	@ 0
PUMP #2:	0	@ 0

BHA								
BHA#	LENGTH	DEPTH IN	HOURS	TYPE	STRING WT	DRAW UP	DRAW DOWN	TORQUE
1	871	0	36	SLICK	94	94	94	0

DESCRIPTION: B-S8-4 5"-XO-23 6"

BITS																	
RUN	BITS	MAKE	SIZE	TYPE	FROM	TO	FEET	HRS	ROP	WOB	RPM	N1	N2	N3	I	O	D
1	1	HP62	12.25		0	1500	1500	53	28.3	65	80	0	0	0	0	0	

REMARKS

Denver
Division

DRILLING REPORT

DATE: 12/27/96
Report: 5

Well: NM "DP" ST. COM 83	Activity: DRLG	Spud Date: 12/22/96	CD: 5
Field: INDIAN BASIN PENN	TD: 1987	Feetage: 67	API No: 3D-015-28284-00
Country: EDDY	State: NM	Hours: 2.75	Estimate No: 888013
Job: / /	ATD: 7,000	Class: Dev	Supervisor: JOHNSTON
Objective: CISCO DOLO	PSTD: 0	BOP Days:	Phone: (505) 383-4284
Logistics: / /	KB: 0	IDCSP: 588.13	Contractor: PETERSON 82
	GL: 4,050		Daywork

DIRECTIONAL SURVEYS			
M Dph	Inclination	Asimuth	DLG
1,800	0.75	0.0	0.00
1,300	1.00	0.0	0.00
835	0.60	0.0	0.00
521	0.75	0.0	0.00
183	0.50	0.0	0.00

LAST SURVEY	
Measured Depth:	1,800
True Vertical Depth:	0.00
Inclination:	0.75
Asimuth:	0.00
North/South Coordinate:	0.00
East/West Coordinate:	0.00
Vertical Section:	0.00
Dog Leg:	0.00
Survey Test:	

WORK	
1.00	WOC
1.00	CMT W/35 EX CLASS "C"
1.00	WOC
0.80	CMT W/35 EX CLASS "C" AT 185
1.00	WOC
1.00	CMT W/50 EX CLASS "C" AT 120
1.00	WOC
0.50	CMT W/50 EX CLASS "C" AT 82, CIRC 15 EX CMT
4.00	NO. CUT OFF, WELD ON WELLHEAD
4.00	NU BOP
0.50	TEST BOP 1200 PSI, OK
3.00	TH, TAGGED CMT AT 1485
0.75	PU KELLY, INSTALL ROTATING HEAD RUBBER
1.25	DRLG CMT & PLUG
0.50	TEST C8G 1000 PSI, OK
0.25	DRLG CMT
2.75	DRLG
24.00 TOTAL HOURS	

MUD DATA			
Asst Wt:	8.8	OE:	0
Viscosity:	28	MST:	0
PV:	0	pH:	8.5
YP:	0	Plc:	0
10 Sec Gel:	0	Pt:	0
10 Min Gel:	0	Ch:	0
WL:	0	CA:	0
HTHP:	0	Ex Linc:	0
FC:	0	Elec Stat:	0
Solids:	0	Temp:	0
Daily Cost:	30	Cum:	80

TUBULARS			
Prop Size	Prop MD	Actual Size	Actual MD
3.500	6,800	0.000	0
7.000	6,800	0.000	0
9.875	1,500	0.000	0

ESTIMATE COSTS			
	MOH	Cash	Total
OH:	\$110000	\$380000	\$490000
Comp:	\$25000	\$80000	\$105000
Total:	\$135000	\$460000	\$595000

ACTUAL COSTS			
	MOH	Cash	Total
OH:	\$5000	\$81083	\$86083
Comp:	\$3000	\$2000	\$5000
Total:	\$8000	\$83083	\$91083
Daily:	\$0	\$1083	\$1083

MUD MATERIAL			

HYDRAULICS					
	Liner Size	Sh Lgh	SPM	GPM	PSI
PUMP #1:	5.8	15	56	270	AV (DC): 0
PUMP #2:	0	0	0	0	AV (DP): 0

SLOW PUMP RATES			
	PSI	SPM	
PUMP #1:	0	0	0
PUMP #2:	0	0	0

DESCRIPTION: BIT, TRI-COLLAR, STAB, 28" DC

BITS															
UN	BIT#	MAKE	SIZE	TYPE	FROM	TO	FEET	HRS	ROP	WOB	RPM	N1	N2	N3	I O D L S G O R
2	2	SMITH	8.750	F47H	1800	1987	67	2.75	24.4	55	80	11	11	12	0 0 0 0 0 0
1	1	HP82	12.25		0	1500	1500	53	28.3	65	80	0	0	0	0 0 0 0 0 0

REMARKS