

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.	30-025-33851
5. Indicate Type of Lease	STATE ☒ FEE ☒
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name	S. J. SARKEYS
8. Well No.	7
9. Pool Name or Wildcat	ABO/DRINKARD
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3393'

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 D 330 Feet From The NORTH Line and 1050 Feet From The WEST Line Section 26 Township 21-S Range 37-E NMPM LEA COUNTY
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3393'

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.

- NABORS RIG #348 SPUD 11 INCH HOLE @ 5:00 PM 03-06-97. DRILLED TO 1225'. TD @ 9:00 AM 03-07-97.
- RAN 29 JOINTS OF 8 5/8 INCH, 24#, WC-50, STC CASING SET @ 1233'. RAN 11 CENTRALIZERS.
- DOWELL CEMENTED WITH 400 SACKS CLASS C W/ 4% GEL, 2% CACL2 (13.5 PPG, 1.74 CF/S). F/B 100 SACKS CLASS C W/ 2% CACL2 (14.8 PPG, 1.32 CF/S). PLUG DOWN @ 6:30 PM 03-07-97.
- NU BOP & TESTED TO 1200#. TESTED CASING TO 1200# FOR 30 MINUTES FROM 10:00 AM TO 10:30 AM 03-08-97.
- WOC TIME 16 HOURS FROM 10:00 AM TO 10:30 AM 03-08-97. REQUIREMENTS OF RULE 107, OPTION 2:
 - VOLUME OF CEMENT SLURRY: LEAD 696 (CU. FT.), TAIL 132 (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: 1933 PSI.
 - ACTUAL TIME CEMENT IN PLACE PRIOR TO TESTING: 16 HOURS.
- DRILLING 7 7/8 INCH HOLE.
- DRILLED 7 7/8 INCH HOLE TO 7550'. TD @ 8:00 AM 03-19-97.
- RU SCHLUMBERGER. LOGGED W/ SCHLUMBERGER'S PLATFORM EXPRESS-BHC-NGT FROM 7556'-2350'.
- RAN 26 JOINTS OF 5 1/2 INCH, 17#, WC-70 AND 149 JOINTS OF 5 1/2 INCH, 15.5#, WC-50, FC @ 7503'. SJ @ 7094.
- DOWELL CEMENTED: - 1230 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.4 PPG, 2.14 CF/S). F/B 1000 SACKS 50/50 POZ CLASS H W/ 2% GEL, 5% SALT, 1/4# FLOCELE (14.2 PPG, 1.35 CF/S). PLUG DOWN @ 7:40 AM 03-20-97. CIRCULATED 223 SACKS.
- ND. RELEASE RIG @ 1:00 PM 03-20-97.
- 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. Basham/SR # TITLE Eng. Assistant.

DATE 4/1/97

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

DATE

MAY 21 1997



CEMENTING REPORT

No. _____ Report Date: _____

Location: Texas Requested By: _____
 Name: S. J. Sarkey, # 7 Service Point: HNA
 Address: Lee NM Type of Job: Surface

Conditions:
 Air: 12.25 Rel. Temp Grad: _____ EXST: 90 °F, SHOT 85 °F

Series:	Density (lb/gal)	Yield (cu ft/sk)	Mix Water (gal/sk)	Total Liquid (gal/sk)	Water Source	Cement Source
Series No. 1	<u>12.5</u>	<u>1.74</u>	<u>9.11</u>	<u>9.11</u>	<u>Loc</u>	<u>C</u>
Series No. 2	<u>14.8</u>	<u>1.32</u>	<u>6.32</u>	<u>6.32</u>	<u>Loc</u>	<u>C</u>
Series No. 3						
Series No. 4						

ent System Compositions:
 Series No. 1: C + 4% D20 + 2% S1
 Series No. 2: C + 2% S1
 Series No. 3: _____
 Series No. 4: _____

Setting Time Results				Rheology Results										
STEM	HR:MIN	SC	300	200	100	50	20	5	3	PV (dyne)	Type of S	REHOLGENT MODEL	R.O.S.	
G. 1	3:40	70	76	31	22	22	17	14	12					
G. 2	2:10	70	40	36	31	26	20	17	14					
G. 3														
G. 4														

Compressive Strengths - psi				
SYSTEM	TEMP.	6 HRS.	12 HRS.	27 HRS.
S. 1	<u>90 °F</u>	<u>250</u>	<u>500</u>	<u>800</u>
S. 1	<u>°F</u>			
S. 2	<u>90 °F</u>	<u>600</u>	<u>1400</u>	<u>2000</u>
S. 2	<u>°F</u>			
S. 3	<u>°F</u>			
S. 3	<u>°F</u>			
S. 4	<u>°F</u>			
S. 4	<u>°F</u>			

SYSTEM	FLUID LOSS		FREE WATER	
	°F	DSI	°F	°F
NO. 1				
NO. 2				
NO. 3				
NO. 4				

Remarks: Previous Data

Schlumberger**Dowell****CemDABE Cement Test Report**

March 17, 1997

DATE OF TEST : 17-mar-1997

TEST NUMBER : NPD720200001

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : S J SARKEYS 7

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

BASE FLUID

Density : 8.32 lb/gal
Volume : 6.25 gal/sk
Type : LO
Total liquid : 6.25 gal/sk

SLURRY

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

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

B.H.S.T. : 125.0 F

B.H.C.T. : 112.0 F

Rheological model (Dial 1) : Bingham Plastic

 $T_y : 6.692 \text{ lbf}/100 \text{ ft}^2$ $P_v : 16.570 \text{ cP}$

Correlation coefficient : 0.999

Thickening Time : 2 hr55 mn to 70 BC

API Schedule : 4G2

Set condition : M

Consistometer serial number : 617

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	23.0	0.0
200.0	18.0	0.0
100.0	12.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	7.0	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)
100	6.0	125.0
725	12.0	125.0
1256	24.0	125.0

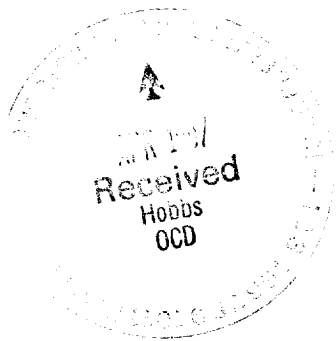
Comment :

FIELD BLEND

50/50POZ/H + 2%D20 + 5%D44(BWOW) + 0.25ppsD29

LOCATION WATER USED

LONG STRING 1ST STAGE 7550' POD = 2:20



Schlumberger

Dowell

CemDABE Cement Test Report

March 19, 1997

DATE OF TEST : 19-mar-1997

TEST NUMBER : NPD720200003

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : S J SARKEYS 7

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. : 98.0 F

Rheometer type : Fann 35
Spring factor : 1.0
Bob No : 1
Rotor No : 1

Rheological model (Dial 1) : Bingham Plastic

T_y : 4.456 lbf/100ft²

P_o : 11.057 cP

Correlation coefficient : 0.992

Thickening Time : 8 hr20 mn to 70 BC

API Schedule : 3G1

Set condition : M

Consistometer serial number : 617

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	16.0	0.0
200.0	11.0	0.0
100.0	8.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	5.0	0.0
3.0	4.0	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	105.0
215	12.0	105.0
325	24.0	105.0

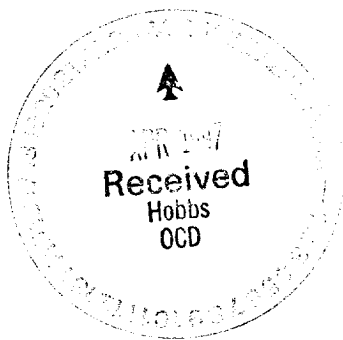
Comment :

FIELD BLEND

35/65POZ/H + 6%D20 + 5%D44(BWOW) + 0.25ppsD29

LOCATION WATER USED

LONG STRING 2ND STAGE LEAD



Schlumberger

Dowell

CemDABE Cement Test Report

March 18, 1997

DATE OF TEST : 18-mar-1997

TEST NUMBER : NPD720200002

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : S J SARKEYS 7

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

BASE FLUID

Density : 8.32 lb/gal
Volume : 6.35 gal/sk
Type : LO
Total liquid : 6.35 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. : 105.0 F

B.H.C.T. : 98.0 F

Rheometer type : Fann 35

Spring factor : 1.0

Bob No : 1

Rotor No : 1

Rheological model (Dial 1) : Bingham Plastic

T_y : 6.692 lb_f/100 ft²

P_y : 16.570 cP

Correlation coefficient : 0.999

Thickening Time : 5 hr36 mn to 70 BC

API Schedule : 3G1

Set condition : M

Consistometer serial number : 617

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	23.0	0.0
200.0	18.0	0.0
100.0	12.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	7.0	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)
126	6.0	105.0
546	12.0	105.0
1096	24.0	105.0

Comment :

FIELD BLEND

50/50 POZ/H + 2% D20 + 5% D44 (BWOW) + 0.25PPS D29

LOCATION WATER USED

LONG STRING 2D STAGE TAIL 4200' POD = 4:06

