

D E V I A T I O N T E S T S

for

CLARY PETROLEUM
P. O. Box 2358
Midland, Texas 7970 1

NEW MEXICO FEDERAL B #1
3300' FSL, 1980' FWL, Sec. 3,
T-21-S, R-32-E, Lea County,
New Mexico

DEPTH (FEET)	DEVIATION (DEGREES)	DEPTH (FEET)	DEVIATION (DEGREES)
121	1/4	5,600	1
203	1/2	6,100	1/2
300	1/2	6,600	1/2
450	1/2	7,594	1
910	1/2	8,121	1
1,318	3/4	8,425	1
1,690	3/4	8,946	1
1,972	3/4	9,421	2
2,430	1/2	10,732	2
2,842	1 1/4	11,535	2
3,142	1 1/2	12,805	2
3,509	3/4	13,320	1 1/4
4,120	1/2	14,160	1 3/4
4,605	1 1/4	14,200	1 3/4


B. E. Burton, Contract Manager
WARTON DRILLING COMPANY

Subscribed and sworn to before me this 15 day of November 1976.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLI
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM-14791

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

New Mexico Federal "B"

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

Undesignated

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 3, T-21-S, R-32-E

12. COUNTY OR PARISH 13. STATE

Lea

N. M.

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--" for such proposals.)1. OIL ☐ GAS ☒
WELL WELL OTHER

2. NAME OF OPERATOR

Cleary Petroleum Corporation

3. ADDRESS OF OPERATOR

P. O. Drawer 2358, Midland, Tx. 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

3300' FSL & 1980' FWL

14. PERMIT NO.

Letter dated 6-8-76

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

3722' GL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☒(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)*

Perforation to test Strawn zone:

10-25-76 Set plug in "N" nipple @ 13630'.

10-26-76 Got off of overshot seal divider, pulled 2 7/8" tubing & overshot.
Ran RBP & RTTS packer to 13600'. Set RBP; pull tubing to 12762'.10-27-76 Spotted 250 gal. of 15% NE acid @ 12762'. Pulled 12 jts. of 2 7/8"
tubing & set pkr. @ 12409'. Perforated 5 1/2" casing from 12740 -
12762' w/2 jet shots/ft. thru tubing (1 9/16" Omega gun, 0.32"
holes, 44 holes). Pumped acid into formation @ 3 BPM @ 5200 psi.
ISDP 4200 psi, 5 min. 4050, 10 min. 4000, 15 min. 4000, SDFN.
11 hr. SITP 3200 psi.

10-29-76 Swabbed down to pkr @ 12409'. No oil, had show of gas.

11-2-76 Acidized w/8000 gals. of 20% CRA w/60 ball sealers dropped in 6
stages. Max. press. 8500 psi, Min. 7300 psi. ISDP 4100, 15 min.
4100.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Assistant District Manager DATE 11-17-76

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

DATE

NOV 1 1976

U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPL
(Other instructions
reverse side)B*
7-Form approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.

NM-14791

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

New Mexico Federal "B"

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

Undesignated

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 3, T-21-S, R-32-E

12. COUNTY OR PARISH 13. STATE

Lea N. M.

SUNDRY NOTICES AND REPORTS ON WELLS

Use this form for proposals to drill or re-drill or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.1. ☐ OIL
☐ GAS
☒ OTHER

2. NAME OF OPERATOR

Cleary Petroleum Corporation (formerly Teal Petroleum Co.)

3. ADDRESS OF OPERATOR

P. O. Drawer 2358, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See instructions on page 17 below.)

3300' FSL & 1980' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

Letter dated 6-8-76 3722' GL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data:

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PUMP OR ALTER CASING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANS

(Other) Test Strawn Zone

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRAC RE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)17. ON REPAIR, RECOMPLETION OR COMPLETED OPERATIONS, clearly state all pertinent details and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.*

Cleary Petroleum Corporation proposes to temporarily shut off the Morrow zone in subject well, perforate and test the Strawn zone thru tubing from 12740' - 62' (one hole per foot for a total of 23 holes) w/ 1 9/16" tubing gun (decentralize gun). Reference Compensated Acoustic Velocity Log. Acidize with 15% NE acid. Results from test will dictate future plans.

18. I hereby certify that the foregoing is true and correct

SIGNED

Douglas W. Rice

TITLE Assistant District Manager

DATE 10-21-76

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED

DATE

NOV 11 1976

BERNARD MOROZ

DISTRICT ENGINEER

*See Instructions on Reverse Side

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPlicate
(Other instructions
reverse side)Form approved,
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM-14791

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

New Mexico Federal "B"

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 3, T-21-S, R-32-E

12. COUNTY OR PARISH 13. STATE

Lea

N. M.

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—" for such proposals.)1. ☐ OIL ☐ GAS ☒ OTHER
WELL WELL

2. NAME OF OPERATOR

Cleary Petroleum Corporation (formerly Teal Petroleum Co.)

3. ADDRESS OF OPERATOR

P. O. Drawer 2358, Midland, Tx. 79701

4. LOCATION OF WELL (Show location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

3300' FSL & 1980' FWL

14. PERMIT NO.

15. ELEVATION OF WELL (Whether OF, TO, OR FROM)

Letter dated 6-8-76

3722' GL

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PUMP OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETION

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

Other Production Csg. Test

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)17. FOR EACH PROPOSED OR COMPLETED OPERATIONS (Cover all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface location and measured and true vertical depths for all markers and zones perti-
nent to this work.) *

9-25-76

Ran total of 352 jts. (11 jts. N-80, 8R, 23# LT&C, 129 jts. N-80, 8R, 20# LT&C, 108 jts. N-80 17# LT&C w/crossover 8R Pinx Buttress Box, & 104 jts. of N-80 Buttress) of 5 1/2" csg. (14,225') set @ 14,200' & cmtd. w/150 sx. Halliburton Light cmt. w/0.6% Halad-22, 5# Gilsonite & 1/4# Flocele/sk. Tailed in w/525 sx. Class H cmt. w/0.8% Halad-22, 0.4% CFR-2, 3# KCL & 1/4# Flocele/sk. Plug down @ 4:30 PM, MDT 9-25-76.

9-26-76

WOC 18 hrs. Tested 5 1/5" csg. w/3000 psi for 30 mins. Held OK.

18. I hereby certify that the foregoing is true and correct.

SIGNED

Title Assistant District Mgr.

DATE 10-14-76

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

OCT 28 1976

U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE
(Other Instructions
on Reverse Side)

Form approved,
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.

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" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Teal Petroleum Company

3. ADDRESS OF OPERATOR

P. O. Drawer 2358, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

3300' FSL & 1980' FWL

14. PERMIT NO.

Letter dated 6-8-76

15. ELEVATIONS (Show whether BS, RT, GR, etc.)

3722' GL

NM-14791

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

New Mexico Federal "B"

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

Undesignated

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 3, T-21-S, R-32-E

12. COUNTY OR PARISH 13. STATE

Lea

N. M.

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER Casing

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Intermediate Csg. Test

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

8-16-76

T.D. 5602' 12 3/4" hole. Ran 153 jts of 9 5/8" csg. (17 jts of 53.4# N-80, 8r, LT&C, 610' & 141 jts of 40# N-80, 8r, LT&C, 4995'). Set @ 5601' & cmtd as follows: 1st stage 850 sx Halliburton Light cmt w/5# gilsonite & 1/4# flocele/sk & 300 sx Class "C" + 2% CaCl & 1/4# flocele/sk. Cmt. circulated. WOC 6 hrs. 2nd stage DV tool @ 3348'. Cmtd w/2000 sx Halliburton Light cmt w/15% salt & 1/4# flocele/sk & 100 sx Class "C" cmt + 2% CaCl & 1/4# flocele/sk. Circulated out approximately 230 SX.

8-17-76

PU 7 7/8" bit & small drill collars. Prep to drill out DV tool. Tested wellhead & yellow jacket to 5000#, held okay. Tested Hydrill to 1500#, held okay.

8-18-76

Drld. out DV tool @ 3348'. Pressure tested to 2000#. Held okay. Drld. out from under 9 5/8" csg. Pressure tested to 600#. Held okay.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Assistant District Manager

DATE 8-20-76

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

*See Instructions on Reverse Side

RECEIVED

7 DEC 1 1976

U.S. CONSTITUTION COMM.
HON. B. M.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE
(Other instructions
reverse side)

Form approved.
Budget Bureau No. 42-R1424.

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" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER		5. LEASE DESIGNATION AND SERIAL NO. NM-14791
2. NAME OF OPERATOR Teal Petroleum Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Drawer 2358, Midland, Texas 79701		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 3300' FSL & 1980' FWL		8. FARM OR LEASE NAME New Mexico Federal "B"
14. PERMIT NO. Letter dated 6-8-76		9. WELL NO. 1
15. ELEVATIONS (Show whether PL, RS, GS, etc.) 3722' GL		10. FIELD AND POOL, OR WILDCAT Undesignated
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 3, T-21-S, R-32-E
		12. COUNTY OR PARISH Lea
		13. STATE N. M.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data.

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF ☐	PULL OR ALTER CASING ☐	WATER SHUT-OFF ☐	REPAIRING WELL ☐
FRACURE TREAT ☐	MULTIPLE COMPLETION ☐	FRACURE TREATMENT ☐	ALTERING CASING ☐
SHOOT OR ACIDIZE ☐	ABANDON* ☐	SHOOTING OR ACIDIZING ☐	ABANDONMENT* ☐
REPAIR WELL ☐	CHANGE PLANS ☐	(Other) Spud Date & Surface Csg. Tst ☒	
(Other) ☐		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Include significant pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

7-28-76 Spudded 9:00 P.M. by Warton Drlg. Co.

7-29-76 T.D. 470' 20" hole. Ran 14 jts. 16" 65# H-40 ST&C csg. Set @ 462' KB. Cmtd w/400 sx Class "C" w/4% gel, 2% CaCl₂ + 1/4# flocele/sk. & 300 sx Class "C" w/2% CaCl₂ + 1/4# flocele/sk. Cmt. circ to surface.

7-30-76 NU BOP stack. Pressure checked to 1000#. Pressure held okay. Drld. out from under surface. Pressured to 1000#. Held okay.

I, I hereby certify that the foregoing is true and correct:

SIGNED _____ TITLE District Engineer DATE 8-2-76

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE 8-2-76

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

AUG 14 1976
J. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

*See Instructions on Reverse Side