

Case No.

575

Application, Transcript,  
Small Exhibits, Etc.

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR THE  
PURPOSE OF CONSIDERING:

ORDER NO. K-778  
CASE NO. 379

THE MATTER OF THE APPLICATION OF TIDE  
WATER ASSOCIATED OIL COMPANY FOR AN ORDER  
GRANTING PERMISSION TO DUAALLY COMPLETE  
ITS A. B. COATES 'C' WELL NO. 1, SE/4 NW/4  
SECTION 24, TOWNSHIP 25 SOUTH, RANGE 27 EAST,  
NMPM, LEA COUNTY, NEW MEXICO, *and on - Gas Dual*  
*IN THE PADDOCK ZONE (#675-4715) AND THE*  
*QUEEN ZONE (2980-8150).*

ORDER OF THE COMMISSION

BY THE COMMISSION:

This case came on regularly for hearing on September 17, 1953, at Santa Fe, New Mexico, before the New Mexico Oil Conservation Commission, hereinafter referred to as the "Commission."

NOW, on this                      day of October, 1953, the Commission, a quorum being present, having considered the testimony adduced and the exhibits received, and being fully advised in the premises,

FINDS:

(1) That due notice having been given in conformity with law, the Commission has jurisdiction of the case.

(2) That the applicant's A. B. Coates 'C' Well No. 1, SE/4 NW/4 Section 24, Township 25 South, Range 27 East, NMPM, was completed February 2, 1951, as a gas well (open hole 2950 - 3200') in the Queen formation.

(3) That applicant recompleted said well, deepening the same to 4920' in the Paddock formation, which proved commercially productive of gas.

(4) That mechanical packers and devices are now available for successful dual gas-gas completions, although the Commission's policy is to exercise specific control over each such project.

~~(5) That there is evidence to indicate that the gas from the Queen formation may be gas cap gas, and its production may affect oil production in the area.~~

~~(6) That other wells in the area have been dually completed.~~

IT IS THEREFORE ORDERED:

That the applicant herein be, and it hereby is authorized to dually complete for production its A. B. Coates 'C' Well No. 1, SE/4 NW/4 Section 24, Township 25 South, Range 27 East, NMPM, (in the Justis Gas Pool for Paddock production, with the Queen production from the gas cap of the Langlie-Mattix Oil Pool), in such a manner that gas from the Queen zone may be produced through the casing-tubing annulus, and gas from the Paddock zone through the tubing by proper perforations and the installation of a suitable and effective packer;

PROVIDED, HOWEVER, That subject well shall be completed and thereafter produced in such a manner that there will be no commingling within the well bore, either within or outside the casing, of hydrocarbons in whatever state, liquid or vaporous, produced from either or both strata; and

PROVIDED FURTHER, That the subject well for dual completion and production shall be equipped in such a way that reservoir pressures may be determined separately for each zone, and further, be equipped with all necessary connections required to permit recording meters to be installed and used at any time as required by the Commission or its representatives in order that dry gas, wet gas or other hydrocarbons from each zone may be accurately measured and, if necessary, oil-gas ratios determined; and

PROVIDED FURTHER That the Applicant shall make any and all tests, including segregation tests, but not excluding other tests and ~~and~~ determinations at any convenient time and in such manner as deemed necessary by the Commission; the original and all subsequent tests or determinations shall be witnessed by a representative of the Commission and representatives of offset operators, if any there be, at their election, and the results of each test properly attested to by the Applicant and all witnesses, and shall be filed with the Commission within ten (10) days after completion of such test, and.

PROVIDED FURTHER That upon actual dual completion of subject well, Applicant shall submit to the Commission a ~~diagrammatic~~ <sup>diagrammatic</sup> sketch of the mechanical installation which was actually used to complete and produce the well between the strata, together with a special report of production, nature of the production and reservoir pressure determination of each producing zone or formation, immediately following dual completion of subject well.

IT IS FURTHER ORDERED That jurisdiction of this case be, and it hereby is retained for such further Order or Orders as may be necessary or convenient for the prevention of waste and protection of Correlative rights, with ~~special reference to production of gas and oil.~~

Done at Santa Fe, New Mexico, on the day and year hereinabove designated.

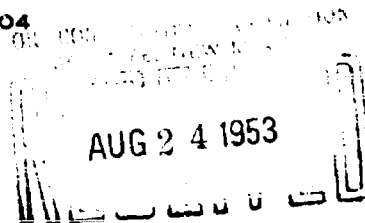
(Judge Conclusions)  
W. L. G. M.

Case 575

**TIDE WATER ASSOCIATED OIL COMPANY**

MID-CONTINENT DIVISION  
MELLIE ESPERSON BLDG. POST OFFICE BOX 1404  
HOUSTON 1, TEXAS

August 21, 1953



Mr. R. R. Spurrier, Secretary & Director  
New Mexico Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico

Dear Sir:

Application is hereby submitted for permit to complete as a dual gas well, as per Rule 112-A, Tide Water Associated Oil Company's A. E. Coates "C" (Los Cruces 032650 (b) well #1), located as per attached plat, within the defined limits of the Langlie-Mattix gas field and the Justis gas field, and completed in the manner as set out in attached exhibit "B", sketch of hook-up, to permit no comingling of production from upper (Tubbs) gas zone 2980-3150' and lower (Paddock) gas zone 4675-4715'.

Notice of intention to drill or recomplete, (Form C-101), was filed on this well in lieu of Form 9-331-a on June 4, 1953. Miscellaneous report on semi-annual shut in gas well pressure, (Form C-103), was filed and approved June 22, 1953, on the Langlie-Mattix gas zone.

This well was deepened from 3300'-4820', and an open hole DST of the Paddock zone indicated commercial gas production. Under paragraph (C) of Rule 112-A it is possible to obtain permit to dually complete without benefit of hearing, provided written consent is obtained from offset operators.

Copies of this request, with copies of plats, logs and sketches are being furnished to the following offset operators, with request that they furnish us as soon as possible a written reply stating their position on this request:

Western Natural Gas Co.  
c/o W. K. Davis, V.P.,  
C. & I. Life Building,  
Houston, Texas

Amerada Pet. Corp.,  
c/o John Cornwall,  
P. O. Box 591,  
Midland, Texas

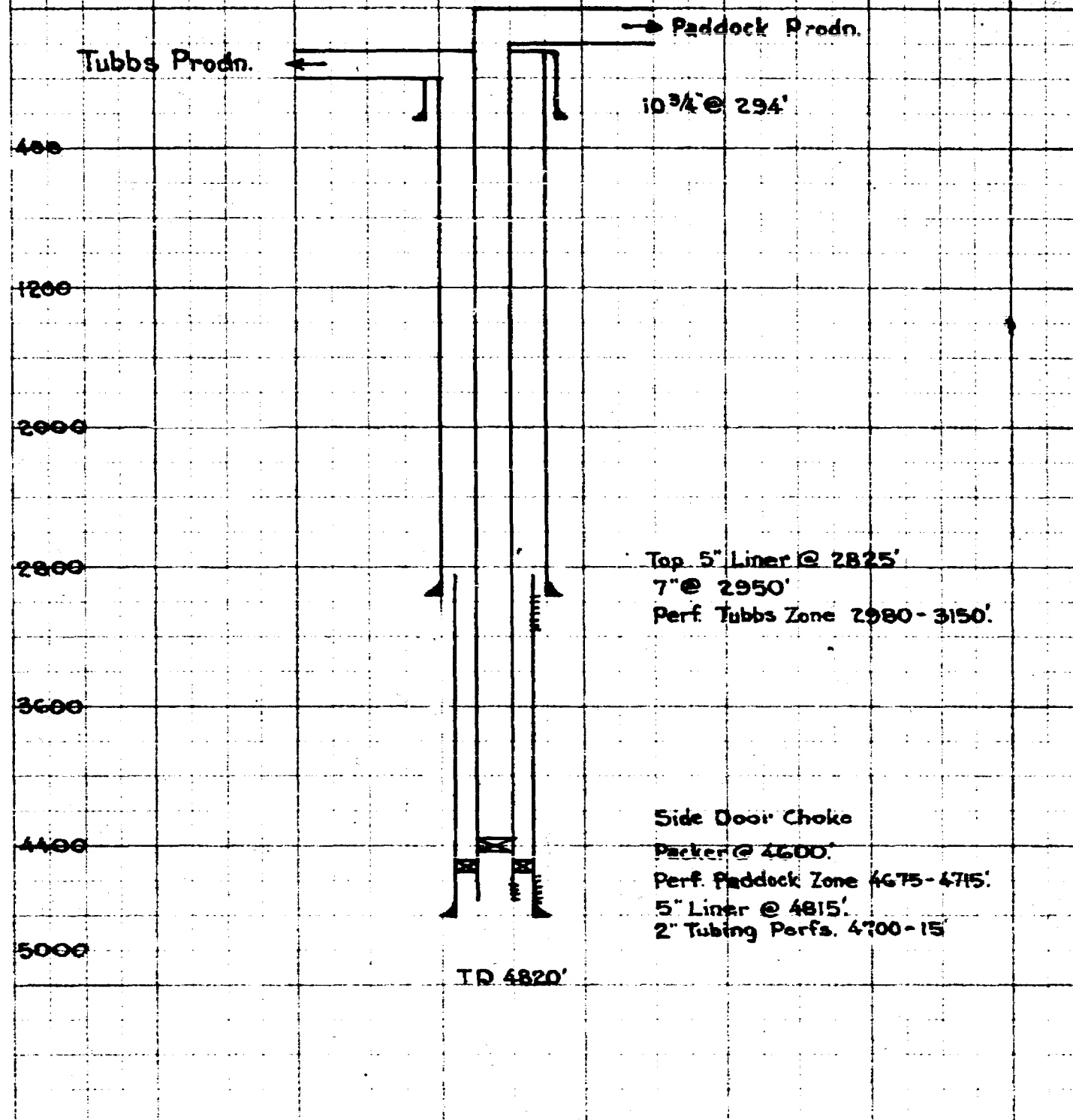
Atlantic Refining Co.  
c/o W. C. Albright  
P. O. Box 6640  
Roswell, New Mexico

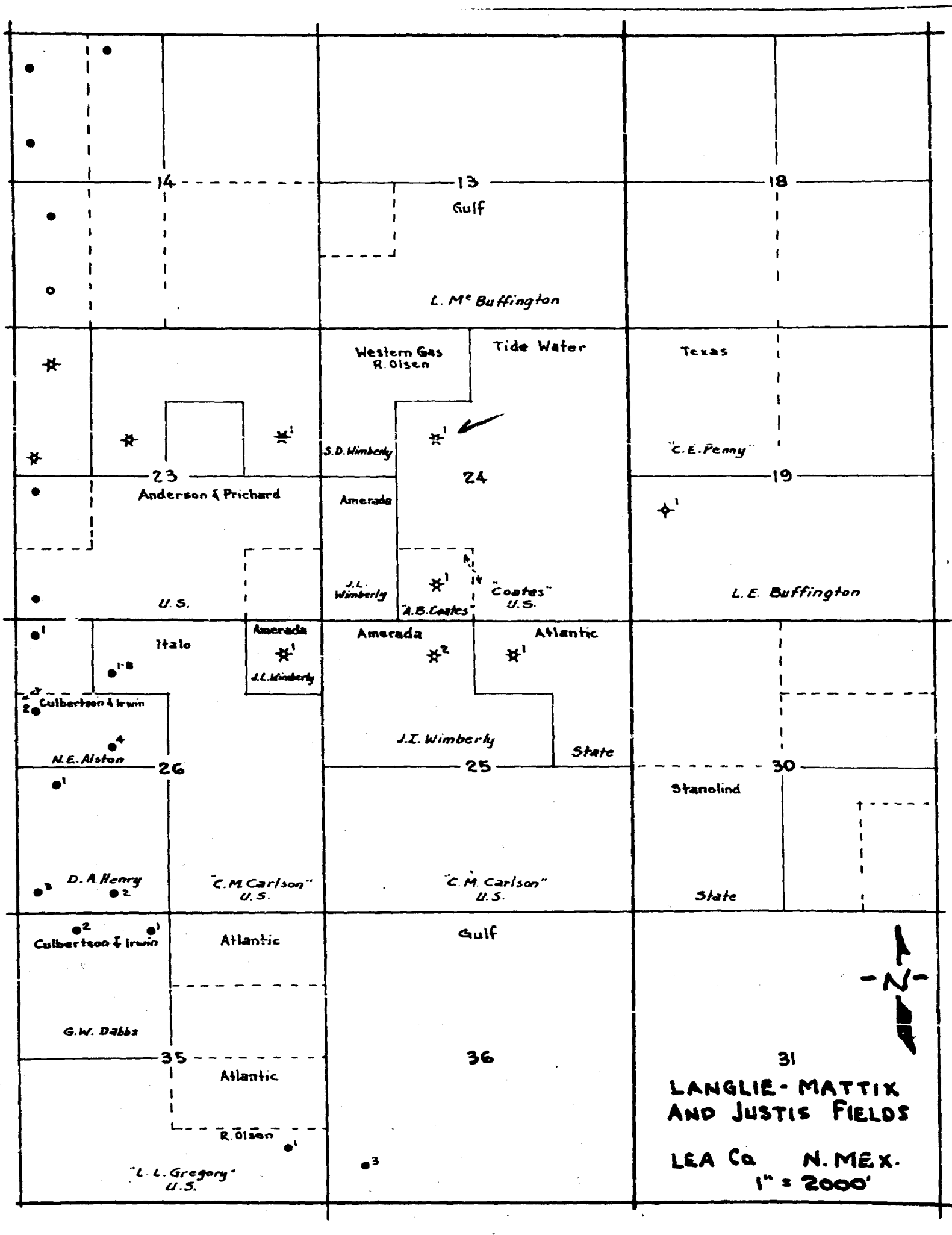
Yours very truly,  
TIDE WATER ASSOCIATED OIL COMPANY  
By: L. W. Childers

EWG: stn

# TWA N<sup>o</sup> C-1 A.B. COATES

## PROPOSED DUAL COMPLETION





Case 575

**TIDE WATER ASSOCIATED OIL COMPANY**

MID-CONTINENT DIVISION  
POST OFFICE BOX 731  
TULSA 2, OKLAHOMA

J. E. ROTH  
VICE PRESIDENT

OFFICES IN  
THOMPSON BUILDING

August 24, 1953

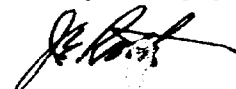
VIA AIR MAIL

Mr. R. R. Spurrer, Secretary & Director  
New Mexico Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico

Dear Sir:

Attached please find letter addressed to you  
which was received in this office through error.

Very truly yours,



J. E. Roth

JER:hm  
Attach.

**TIDE WATER ASSOCIATED OIL COMPANY**

MID-CONTINENT DIVISION  
MELLIE ESPERSON BLDG. POST OFFICE BOX 1404  
HOUSTON 1, TEXAS

ROTH	BERG
MOUSER	HAUGH
SCHUETZ	MALONE
JOHNSON	SIMMONS
AUG 24 1953	
REPLY	RETURN
NOTE	FILE

August 21, 1953

Mr. R. R. Spurrier, Secretary & Director,  
New Mexico Oil Conservation Commission,  
P. O. Box 871,  
Santa Fe, New Mexico.

Dear Sir:

Application is hereby submitted for permit to complete as a dual gas well, as per Rule 112-A, Tide Water Associated Oil Company's A. B. Coates "C" (Los Cruces 032650 (b) well #1), located as per attached plat, within the defined limits of the Langlie-Mattix gas field and the Justis gas field, and completed in the manner as set out in attached exhibit "B", sketch of hook-up, to permit no comingling of production from upper (Tubbs) gas zone 2980-3150' and lower (Paddock) gas zone 4675-4715'.

Notice of intention to drill or recomplete, (Form C-101), was filed on this well in lieu of Form 9-331-a on June 4, 1953. Miscellaneous report on semi-annual shut in gas well pressure, (Form C-103), was filed and approved June 22, 1953, on the Langlie-Mattix gas zone.

This well was deepened from 3300'-4820', and an open hole DST of the Paddock zone indicated commercial gas production. Under Paragraph (c) of Rule 112-A it is possible to obtain permit to dually complete without benefit of hearing, provided written consent is obtained from offset operators.

Copies of this request, with copies of plats, logs and sketches are being furnished to the following offset operators, with request that they furnish us as soon as possible a written reply stating their position on this request:

Western Natural Gas Co.  
% W. K. Davis, V.P.  
C & I Life Building  
Houston, Texas

Amerada Pet. Corp.  
% John Cornwall  
P. O. Box 591  
Midland, Texas

Atlantic Refining Co.  
% W. C. Albright  
P. O. Box 6640  
Roswell, New Mexico

Yours very truly,

TIDE WATER ASSOCIATED OIL COMPANY

By: E. W. Childers

EWC:lf



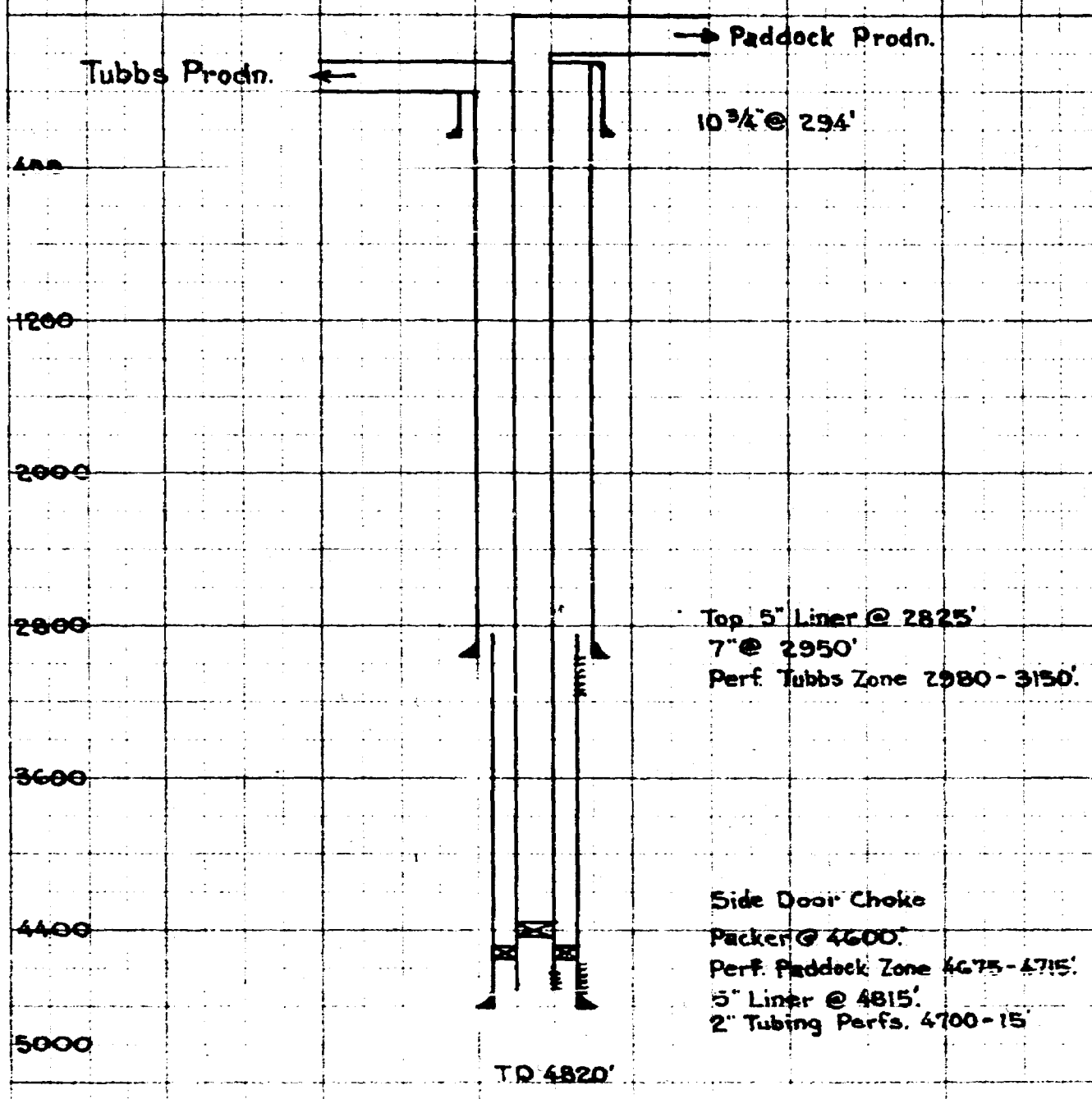
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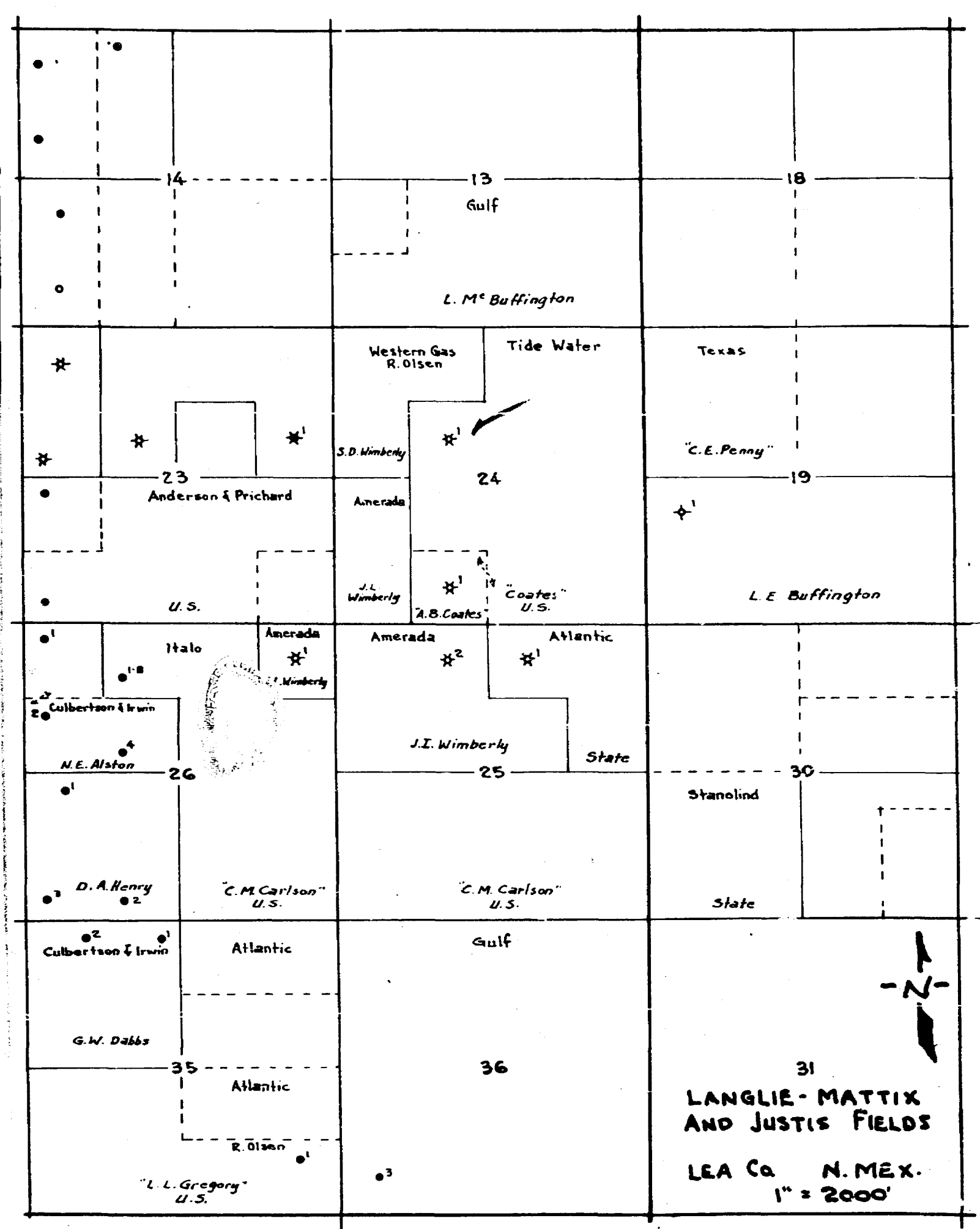


STANDARD PAPER CO. NO. 116K 20 DIVISIONS PER INCH BOTH WAYS 150 BY 200 DIVISIONS

# TWA No C-1 A.B. COATES

## PROPOSED DUAL COMPLETION





Legal Notice OCC Hearing

Publication:

Date: \_\_\_\_\_

*Hobbs*  
*✓*  
*New Mex*

CASE 595 :

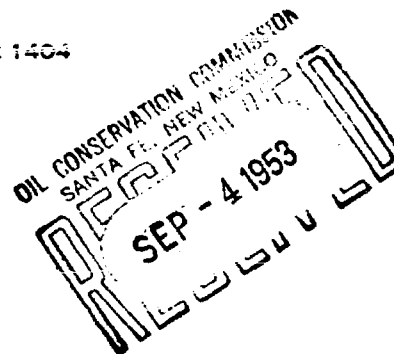
In the matter of the application of Tide Water Associated Oil Company for an order granting permission to dually complete it's A. B. Coates "C" Well No. 1, SE/4 NW/4 Section 24, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico in such a manner as to permit production of gas from the Paddock gas zone of the Justis Gas Pool at an approximate depth of 2675-4715 through the tubing and gas from the Seven Rivers 'zone at an approximate depth of 2980-3150 *thru the casing + tubing*  
*Annulus.*

675  
12

**TIDE WATER ASSOCIATED OIL COMPANY**

MID-CONTINENT DIVISION  
MELLIE ESPERSON BLDG. POST OFFICE BOX 1404  
HOUSTON 1, TEXAS

September 1, 1953



Mr. R. R. Spurrier, Secretary & Director,  
New Mexico Oil Conservation Commission,  
P. O. Box 871,  
Santa Fe, New Mexico

Dear Sir:

Attached please find original and two copies of an application to dually complete the Tide Water A. B. Coates "C" #1, with geological plat showing the contours on top of the Queen sand and the diagrammatic sketch of the proposed mechanical hookup to prevent commingling of the production from the zones. This application covers the dual completion of this well in the Queen sand from 2980-3150' in the Paddock gas zone from 4675-4715'.

On August 21, 1953, application was submitted for permission to dually complete this well under Rule 112-A (C). Under this Rule a hearing was unnecessary. We were later advised by Mr. Macey, Chief Engineer for the Conservation Commission, that the Queen sand at this location was not within the defined limits of the Langlie-Mattix Peel. For this reason it will be necessary to have a hearing to obtain permission for dually completing this well and we request that this application be put on the September docket.

Yours very truly,

TIDE WATER ASSOCIATED OIL COMPANY

By: J. M. Thrapp, Jr.

JMT:lf

cc: Federal Office,  
Hobbs, New Mexico

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE  
STATE OF NEW MEXICO

SUBJECT: DUAL COMPLETION

APPLICATION OF TIDE WATER ASSOCIATED OIL  
COMPANY FOR DUAL COMPLETION OF ITS A. B.  
COATES "C" WELL #1 (LOS CRUCES 032650-b),  
SE/4, NW/4, Section 24, TOWNSHIP 25 SOUTH,  
RANGE 37 EAST, LEA COUNTY, NEW MEXICO,  
WITH GAS PRODUCING ZONES IN THE QUEEN &  
GLORIETA (PADDOCK).

A P P L I C A T I O N

COMES NOW, Tide Water Associated Oil Company, a Delaware Corporation,  
operating in New Mexico from a field office in Hobbs, and respectfully re-  
presents to the Oil Conservation Commission of the State of New Mexico as  
follows:

1. That Tide Water Associated Oil Company's A. B. Coates "C" Well #1,  
located in the SE/4 of the NW/4 of Section 24, Township 25 South, Range 37 East,  
N.M.P.M., Lea County, New Mexico, was completed February 3, 1951 as a gas well  
with absolute open flow potential of 2700 MCF/day from the Queen formation  
from open-hole (2950'-3300'). Seven-inch production casing was set at 2950'  
and cemented with 1200 sacks. Miscellaneous report on semi-annual shut-in gas  
well pressure, (Form C-103), was filed and approved June 22, 1953, on the  
Langlie Mattix, Queen gas zone.
2. That attached hereto is a plat showing the location of A. B. Coates  
"C" #1 and surrounding wells and leaseholds, with contours showing the extent  
of Queen sand production which indicates that this sand at this location is a  
common source of supply with the Langlie Mattix Queen sand gas pool.
3. That applicant filed notice of intention to drill or recomplete  
(Form C-101) on June 4, 1953 in lieu of Form 9-331-a.
4. That applicant drilled deeper A. B. Coates "C" #1 from 3300' to  
4820', where a drill stem test indicated that the Glorieta (Paddock) within  
the defined limits of the Justis (Gas) Pool was commercially productive and  
set 5" liner from 2825' to 4815' and cemented with 250 sacks.
5. That applicant represents it is practical and economically feasible  
to dually complete the A. B. Coates "C" #1 to produce gas from the Glorieta  
(Paddock) through the tubing and gas from the Queen through the annular space  
between casing and tubing by proper perforations and installation of proper  
packer and wellhead connections, and in such manner that there will be no  
commingling of production between the two reservoirs.

SUBJECT: DUAL COMPLETION

6. Applicant further represents that the granting of this application for permission to produce dually gas from the Queen formation and gas from the Glorieta (Paddock) formation is in the interest of conservation and the protection of correlative rights.

7. That applicant proposes to dually complete said well to produce gas from the Queen zone through the tubing-casing annulus and gas from the Glorieta (Paddock) zone through the tubing in the following manner:

- (a) Perforate the Glorieta (Paddock) zone from 4675' to 4715' as indicated by radioactivity log.
- (b) Perforate Queen zone 2980' to 3150' as indicated by radioactivity log.
- (c) Set production type packer at approximately 4600', between the perforations at 4675'-4715' and 2980'-3150'.
- (d) Set side-door choke in tubing string at approximately 4540' to permit bottom hole pressure tests of individual zones.

8. That upon actual completion of the subject well applicant will submit to the Commission a special report of open-flow potentials and reservoir pressure determination of each zone immediately following completion.

9. That copies of this application have been sent to operators of all producing properties adjoining said Coates "C" lease of applicant; and copies of ~~radioactivity~~ log along with diagrammatic sketch of the mechanical installation to be used are filed with the Commission.

WHEREFORE, Applicant requests that a hearing be held to show cause for placing the Queen gas zone of A. B. Coates "C" well #1 within defined limits of the Langlie Mattix gas pool and be permitted to dually complete the subject well in the manner aforesaid.

Done at Houston, Texas, on this the 27th day of August, 1953.

Respectfully submitted,

TIDE WATER ASSOCIATED OIL COMPANY

By: 

J. M. Tharp, Jr.

JMT: stm

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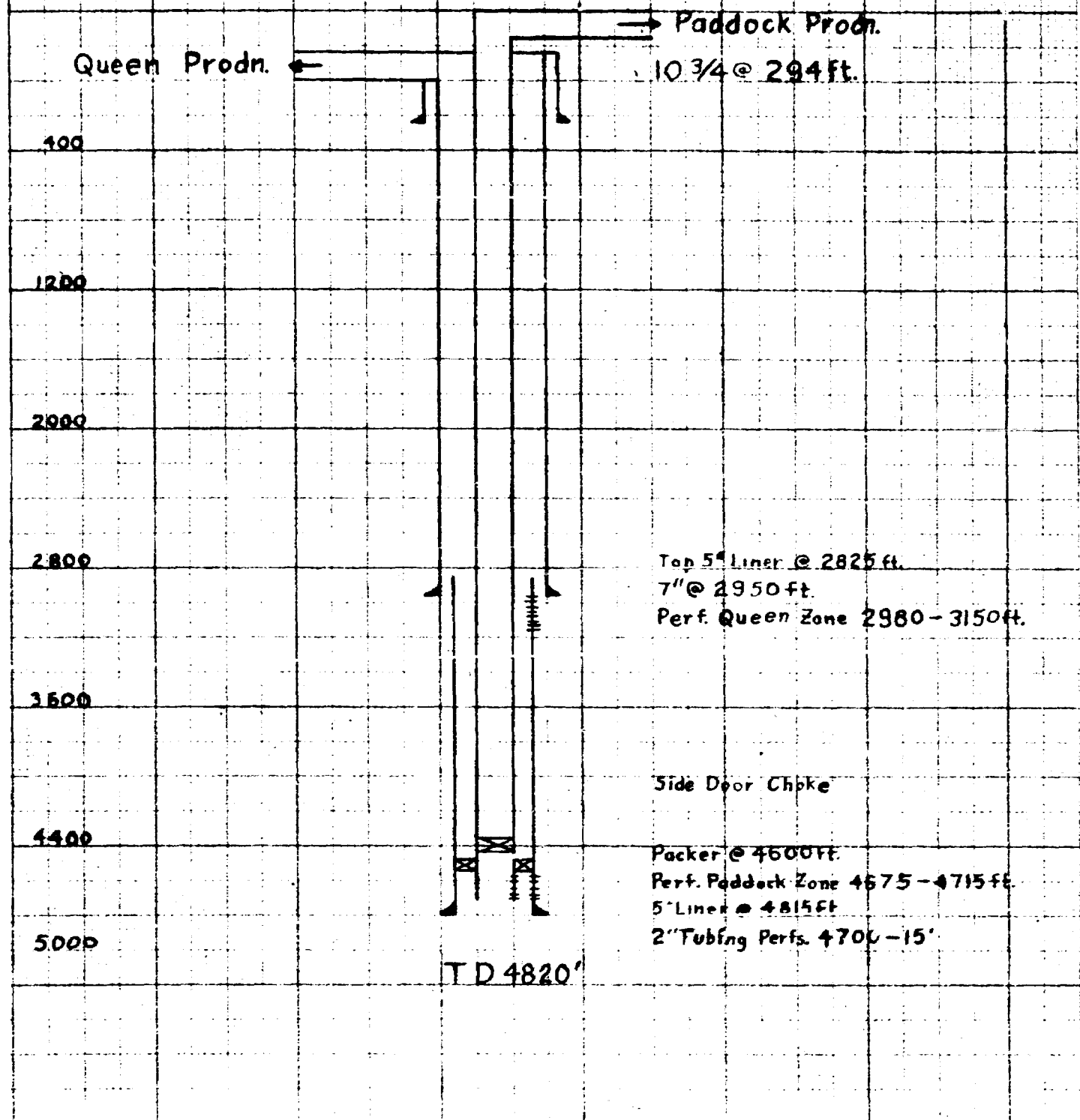


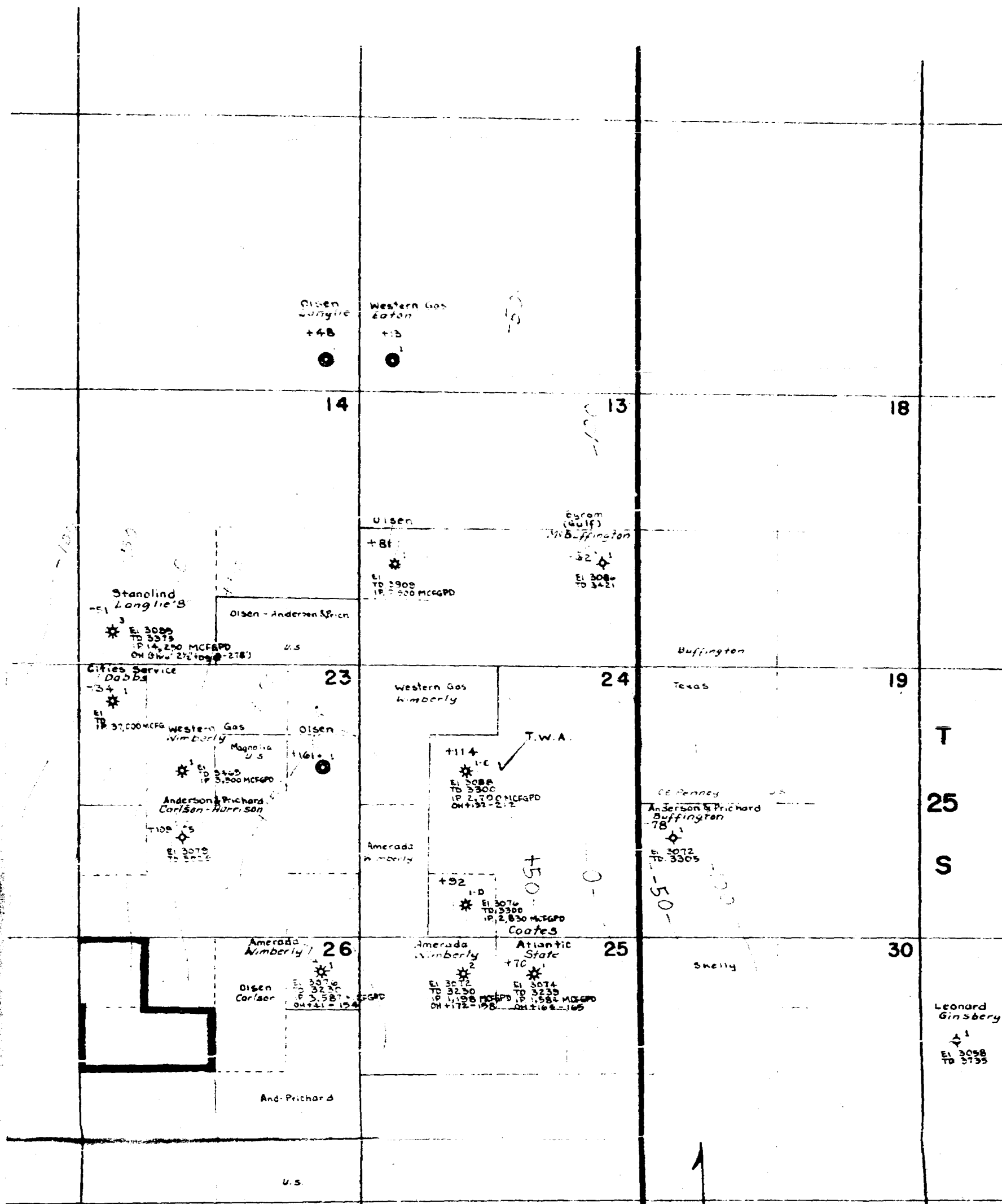
NO. 1000H 20 DIVISIONS PER INCH BOTH WAYS 150 BY 200 DIVISIONS

CLEARPRINT PAPER CO.

# TWA NO. C-1 A.B. COATES

## PROPOSED DUAL COMPLETION





\* Wells producing from the Queens Sand  
 ● Wells producing " " Glorieta (Justis Pool)  
 Contoured on top Queen Sand.  
 Scale: 1" = 2000'  
 "Langlie-Mattix Field"  
 Lea County, New Mexico

9-1-53  
 Homer E. Olivier

R. 37 E.

R. 38 E.



**TIDE WATER ASSOCIATED OIL COMPANY**

MID-CONTINENT DIVISION  
MELLIE ESPERSON BLDG. POST OFFICE BOX 1404

**HOUSTON 1, TEXAS**

**August 21, 1953**

*Case 575*

*Tribble*  
*General*  
*SEP 8 1953*

Mr. R. R. Spurrier, Secretary & Director  
New Mexico Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico

Dear Sir:

Application is hereby submitted for permit to complete as a dual gas well, as per Rule 112-A, Tide Water Associated Oil Company's A. B. Coates "C" (Los Cruces 032650 (b) well #1), located as per attached plat, within the defined limits of the Langlie-Mattix gas field and the Justice gas field, and completed in the manner as set out in attached exhibit "B", sketch of hook-up, to permit no comingling of production from upper (Tubbs) 7 Rivers gas zone 2980-3150' and lower (Paddock) gas zone 4675-4715'.

Notice of intention to drill or recomplete, (Form G-101), was filed on this well in lieu of Form 9-331-a on June 4, 1953. Miscellaneous report on semi-annual shut in gas well pressure, (Form G-103), was filed and approved June 22, 1953, on the Langlie-Mattix gas zone.

This well was deepened from 3300'-4820', and an open hole DST of the Paddock zone indicated commercial gas production. Under paragraph (C) of Rule 112-A it is possible to obtain permit to dually complete without benefit of hearing, provided written consent is obtained from offset operators.

Copies of this request, with copies of plats, logs and sketches are being furnished to the following offset operators, with request that they furnish us as soon as possible a written reply stating their position on this request:

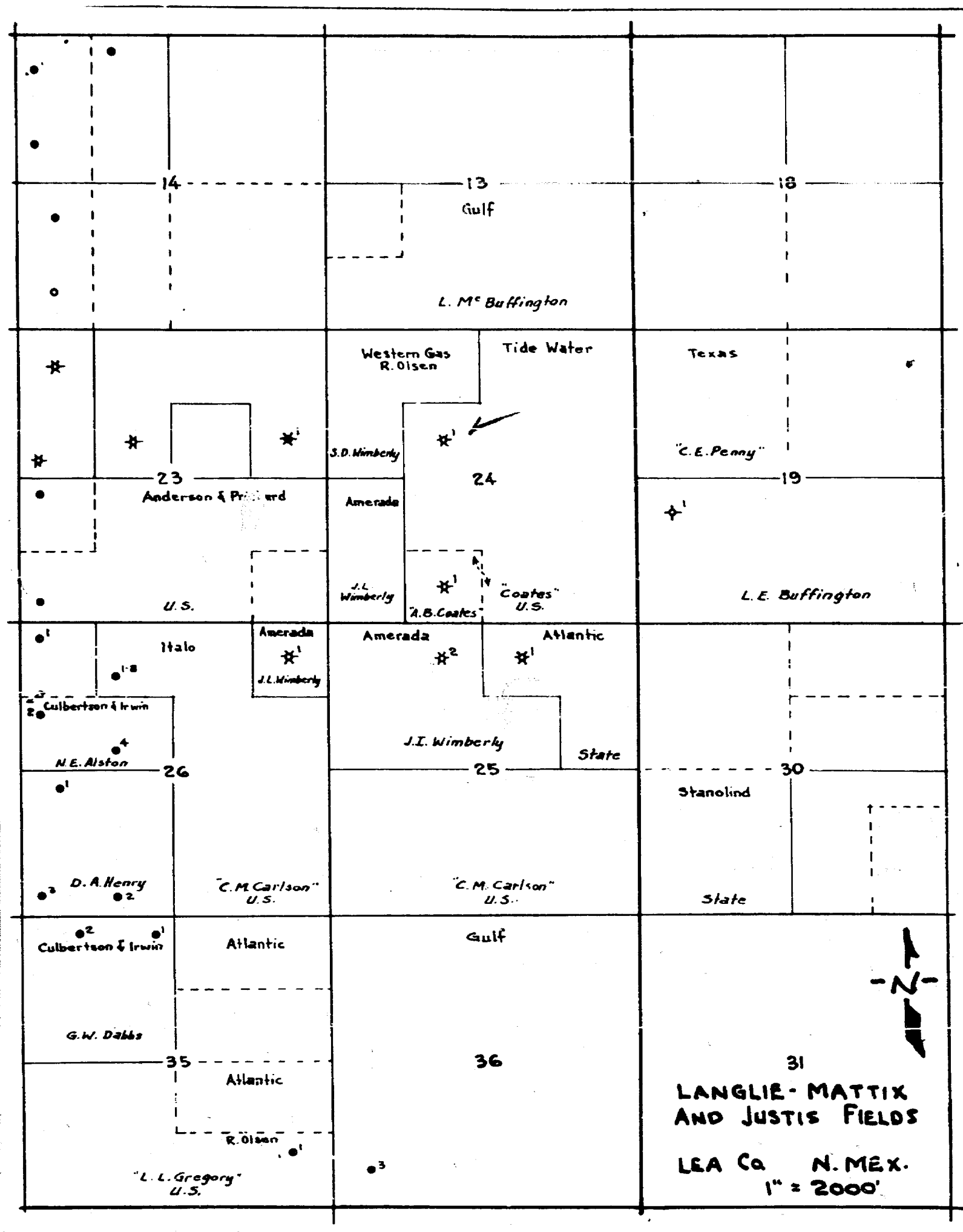
Western Natural Gas Co.  
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C. & I. Life Building,  
Houston, Texas

Amerada Pet. Corp.,  
c/o John Cornwall,  
P. O. Box 591,  
Midland, Texas

Atlantic Refining Co.  
c/o W. C. Albright  
P. O. Box 6640  
Roswell, New Mexico

Yours very truly,  
TIDE WATER ASSOCIATED OIL COMPANY  
By: *E. M. Childers*

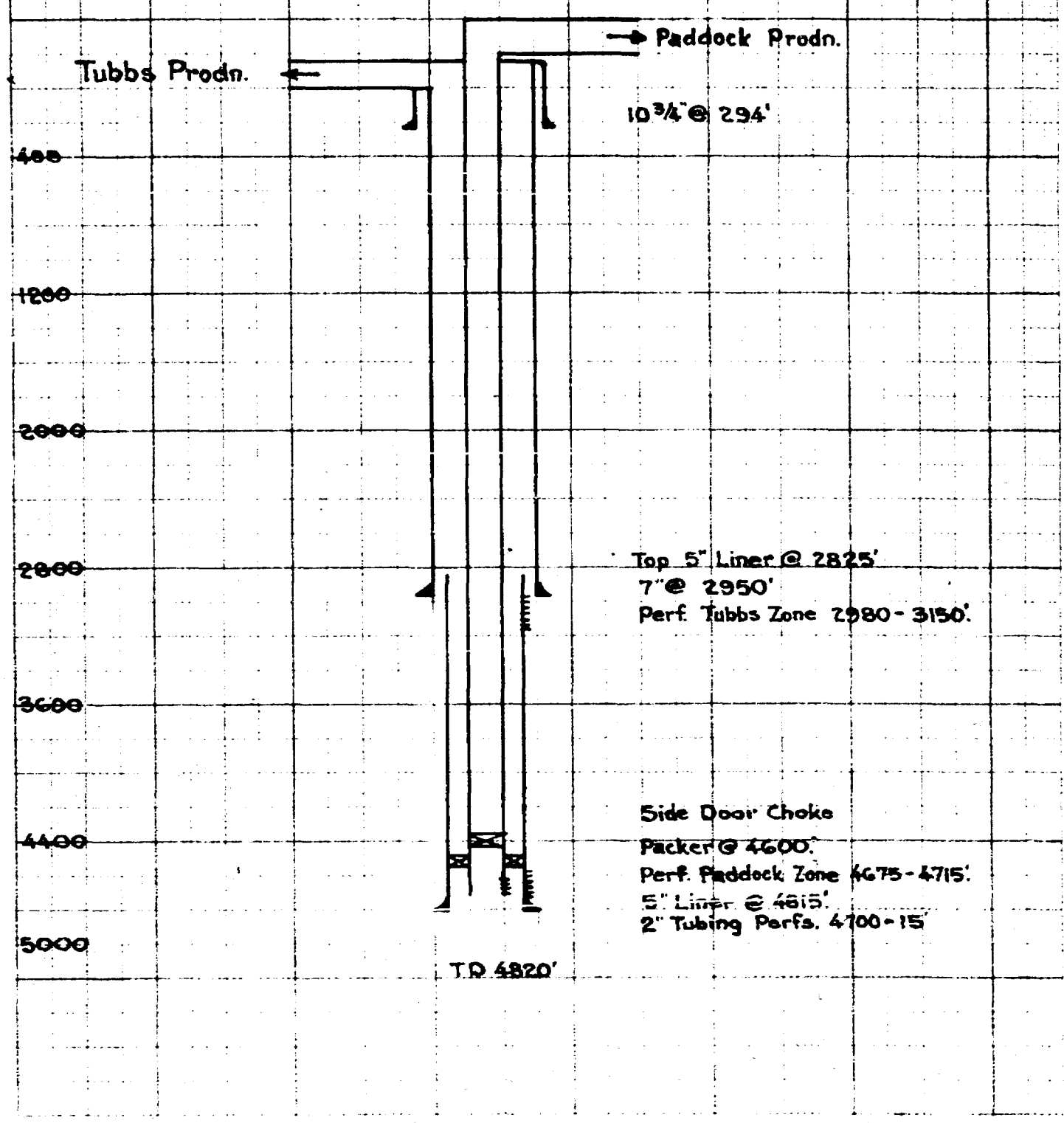
EWG: etm



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# TWA No C-1 A.B. COATES

## PROPOSED DUAL COMPLETION



Re: [illegible]

117 E. of [illegible] etc -

See [illegible] [illegible] -  
[illegible] complete etc.

Case R-318  
575

Order of the Commission

By The Commission:

This case came on regularly for hearing on September 17, 1953 at Santa Fe, New Mexico before the Oil Conservation Commission of New Mexico, hereafter referred to as the "Commission".

Now On this — day of October, 1953, the Commission, a quorum being present, having considered the testimony adduced and the exhibits received, and being fully advised in the premises

FINDS

(1) That due notice having been given in conformity with law, the Commission has jurisdiction of the case.

(2) That the Applicant's A.B. Coates 1-C well in Sec 24, Twp 25 S. R. 37 E. 7 N. M.P.M. was completed February 3, 1951 as a gas well, open-hole 2950'-3300' in the Queen Formation.

(3) That Applicant recompleated said well, deepening in the process to 4870' in the parbock formation which proved commercially productive of gas.

(4) That mechanical pickers and devices are now available for successful dual gas-gas completions, although the Commission's policy is to exercise specific control over each such project.

(5) That there is evidence to indicate that the gas from the Queen formation may be gas-cap gas and its production may affect oil production in the area.

16) That other wells in the area have been dually completed.

IT IS THEREFORE ORDERED.

That the Applicant herein be, and it hereby is authorized to dually complete for production its A.B. Coates 1-C well in the SE 1/4 Sec 24, T.25S. R. 37 E N.M.P.M.S. (in the Justice gas pool for Paddock production, with the Queen production from the gas cap of the Lang/E Matrix oil pool), in such a manner that the gas from the Queen zone thru the annulus and the gas from the Paddock zone thru the tubing by proper perforations and installation of suitable and effective packers.

PROVIDED HOWEVER That subject well shall be completed and thereafter produced in such a manner that there will be no commingling within the well bore, either within or outside the casing of hydrocarbons in whatever state, liquid or vaporous produced from either or both strata; and

PROVIDED FURTHER That the Subject well for dual completion and production shall be equipped in such a way that reservoir pressures may be determined separately for each zone, and further, be equipped with all necessary connections required to permit recording meters to be installed and used, at any time required by the Commission or its representatives, in order that dry gas, wet gas or other hydrocarbons from each zone may be accurately measured and if necessary oil-gas ratios be determined, and

New Mexico  
OIL CONSERVATION COMMISSION

GOVERNOR EDWIN L. MECKEN  
CHAIRMAN  
LAND COMMISSIONER E.S. WALKER  
MEMBER  
STATE GEOLOGIST R.R. SPURRIER  
SECRETARY AND DIRECTOR



P. O. BOX 571  
SANTA FE, NEW MEXICO

October 6, 1953

Memo. to the Commission

CASE 575: The application of Tidewater Associated Oil Company for permission to dually complete its No. 1 "C" Coates, SENW, Section 24, Township 25 South, Range 37 East, as a gas-gas dual in the Paddock Zone (4675-4715) and the Queen Zone (2980-3150)

Recommendation:

It is recommended that the application be approved and that Tidewater be granted permission to dually complete and produce this gas-gas dual. It should be pointed out that the Queen sand (the upper producing zone of the dual) is also an oil producing zone in this area in the Langlie-Mattix Pool and that Tidewater will actually be producing gas-cap gas.

There are a number of other Queen gas wells in the area. None of them have been put in a defined gas pool as yet.

W. B. Macey

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR THE  
PURPOSE OF CONSIDERING:

CASE NO. 575  
Order No. R-378

THE MATTER OF THE APPLICATION OF  
TIDE WATER ASSOCIATED OIL COMPANY  
FOR AN ORDER GRANTING PERMISSION  
TO DUALY COMPLETE ITS A. B. COATES  
'C' WELL NO. 1, SE/4 NW/4 SECTION 24,  
TOWNSHIP 25 SOUTH, RANGE 37 EAST,  
NMPM, LEA COUNTY, NEW MEXICO, AS A  
GAS-GAS DUAL IN THE PADDOCK ZONE  
(4675-4715) AND THE QUEEN ZONE (2980-3150).

ORDER OF THE COMMISSION

BY THE COMMISSION:

This case came on regularly for hearing on September 17, 1953, at Santa Fe, New Mexico, before the New Mexico Oil Conservation Commission, hereinafter referred to as the "Commission."

NOW, on this 21<sup>st</sup> day of October, 1953, the Commission, a quorum being present, having considered the testimony adduced and the exhibits received, and being fully advised in the premises,

FINDS:

- (1) That due notice having been given in conformity with law, the Commission has jurisdiction of the case.
- (2) That the applicant's A. B. Coates 'C' Well No. 1, SE/4 NW/4 Section 24, Township 25 South, Range 37 East, NMPM, was completed February 3, 1951, as a gas well (open hole 2950-3300') in the Queen formation.
- (3) That applicant recompleted said well, deepening the same to 4820' in the Paddock formation, which proved commercially productive of gas.
- (4) That mechanical packers and devices are now available for successful dual gas-gas completions, although the Commission's policy is to exercise specific control over each such project.

IT IS THEREFORE ORDERED:

That the applicant herein be, and it hereby is authorized to dually complete for production its A. B. Coates 'C' Well No. 1, SE/4 NW/4 Section 24, Township 25 South, Range 37 East, NMPM, (in the Justis Gas Pool for Paddock production, with the Queen production from the gas cap of the Langlie-Mattix Oil Pool), in such a manner that gas from the queen zone may be produced through the casing-tubing annulus, and gas from the Paddock zone through the tubing by proper perforations and the installation of a suitable and effective packer;

PROVIDED, HOWEVER, That subject well shall be completed and thereafter produced in such a manner that there will be no commingling within the well bore, either within or outside the casing, of hydrocarbons in whatever state, liquid or vaporous, produced from either or both strata; and

PROVIDED FURTHER, That the subject well for dual completion and production shall be equipped in such a way that reservoir pressures may be determined separately for each zone, and further, be equipped with all necessary connections required to permit recording meters to be installed and used at any time as required by the Commission or its representatives in order that dry gas, wet gas or other hydrocarbons from each zone may be accurately measured and, if necessary, oil-gas ratios determined; and

PROVIDED FURTHER, That the applicant shall make any and all tests, including segregation tests, but not excluding other tests and/or determinations at any convenient time and in such manner as deemed necessary by the Commission; the original and all subsequent tests or determinations shall be witnessed by a representative of the Commission and representatives of offset operators, if any there be, at their election, and the results of each test properly attested to by the applicant and all witnesses, and shall be filed with the Commission within ten (10) days after completion of such test, and,

PROVIDED FURTHER, That upon actual dual completion of subject well, applicant shall submit to the Commission a diagrammatic sketch of the mechanical installation which was actually used to complete and produce the seal between the strata, together with a special report of production, nature of the production and reservoir pressure determination of each producing zone or formation, immediately following dual completion of subject well.

IT IS FURTHER ORDERED: That jurisdiction of this case be, and it hereby is retained for such further order or orders as may be necessary or convenient for the prevention of waste and protection of correlative rights.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

  
EDWIN L. MECHEM, Chairman

  
E. S. WALKER, Member

  
R. R. SPURRIER, Member and Secretary

SEAL



BEFORE THE  
OIL CONSERVATION COMMISSION  
STATE OF NEW MEXICO

Santa Fe, New Mexico  
September 17, 1953

In the matter of:

The application of Tide Water Associated Oil Company for an order granting permission to dually complete its A. B. Coates "C" Well No. 1, SE/4 NW/4 Section 24, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico in such a manner as to permit production of gas from the Paddock gas zone of the Justis Gas Pool at an approximate depth of 4675-4715 through the tubing and gas from the Seven Rivers zone at an approximate depth of 2980-3150 through the casing and tubing annulus.

Case 575

TRANSCRIPT OF HEARING

MR. SPURRIER: Next case is Case 575.

(Notice of Publication read by Mr. Graham)

(Witness Sworn)

J. B. HALLOWAY

having first been duly sworn, testified as follows:

MR. HALLOWAY: J. B. Halloway representing Tidewater Associated Oil Company. Tidewater Associated Oil Company completed its A. B. Coates "C" Well No. 1 located in the SE/4 NW/4 Section 24, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico on February 3, 1951 as a gas well with an open flow potential of 2700 MCF per day from the Queen or Seven Rivers formation from open hole 2950' to 3300'. Set at 2950' and cemented with 1200 sacks. This well is within the limits of the Langlie-Mattix pool but is upon the present eastern designated boundary of the Langmat gas pool.

Application was filed on June 4, 1953 to deepen this well

through the production gas zone and attempt to make it a successful gas pool completion in the Justis Gas pool with the view in mind to dually complete it. Our application was approved and the well was deepened from 3300' to 4820' where drill stem tests indicated that the well was commercially productive from the Paddock formation. A five inch liner was set from 2825' to 4815' and cemented with 250 sacks

Applicant now represents that it is practical and economically feasible to produce gas from the Queen or Seven Rivers formation through the annulus between the casing and tubing and from perforations 2980' to 3150' and gas from the Paddock formation through the tubing from perforations 4675' to 4715'. Separation between the two producing zones can be maintained by a productive packer set at approximately 4600' between the perforation. A side door choke set in the tubing string at approximately 4540' will permit bottom-hole pressure tests to be made of the individual zones.

Upon approval of this application, Tidewater will attempt final completion of the well and immediately file a special report of open flow potentials and reservoir pressure predominations of each zone.

An electrical log and a diagrammatic sketch showing the proposed dual completion has been previously submitted.

That's all I have, Mr. Examiner, unless you have some questions.

MR. SPURRIER: Does anyone have a question of the witness? If not the witness may be excused and we will take the case under advisement and move on to Case 576.

C E R T I F I C A T E

I, Virginia M. Chavez, hereby certify that the above and foregoing transcript of proceedings in Case 575, taken before the Oil Conservation Commission on September 17, 1953, at Santa Fe, New Mexico is a true and correct record to the best of my knowledge, skill and ability.

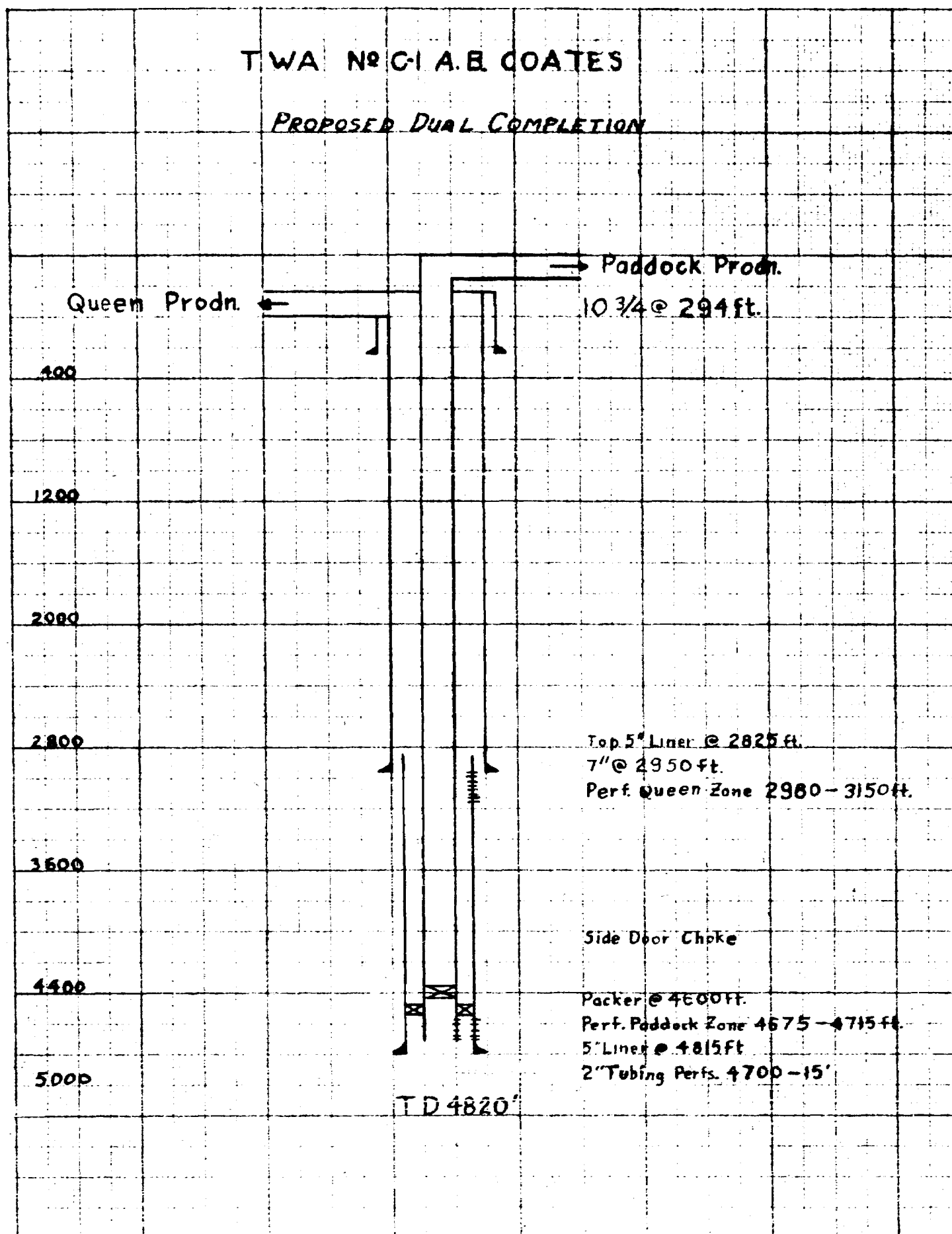
Dated in Santa Fe, New Mexico this 19th day of October, 1953.

Virginia M. Chavez  
Notary Public

My Commission Expires:  
August 8, 1956

# TWA N° C-1 A.B. COATES

## PROPOSED DUAL COMPLETION



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