# Case No.

# 2547

Application, Transcript;

8 mall Exhibits, Etc.

## BEFORE THE OIL CONSERVATION CONSISSION OF THE STATE OF MEN MEXICO

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

> CASE No. 2547 Order No. R-2244

APPLICATION OF PAN AMERICAN PETROLEUM CORPORATION FOR A TRIPLE COMPLETION, EDDY COUNTY, NEW MEXICO.

#### ORDER OF THE COMMISSION

#### BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on May 10, 1962, at Santa Fe, New Mexico, before Daniel S. Nutter, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 28th day of May, 1962, the Commission, at quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, and being fully advised in the premises,

#### FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Pan American Petroleum Corporation, seeks an order authorizing the triple completion (conventional) of its Greenwood Unit Well No. 7, located in Unit E, Section 12, Township 19 South, Range 31 East, NMPM, Eddy County, New Mexico, in such a manner as to permit the production of oil from an undesignated Strawn pool through 2 3/8-inch tubing and from undesignated Wolfcamp and Bone Springs pools through parallel strings of 2-inch tubing.
- (3) That the mechanics of the proposed triple completion are feasible and in accord with good conservation practices.
- (4) That approval of the subject application will neither cause waste nor impair correlative rights.

#### IT IS THEREFORE ORDERED:

(1) That the applicant, Pan American Petroleum Corporation, is hereby authorized to complete its Greenwood Unit Well No. 7, located in Unit H, Section 12, Township 19 South, Range 31 Rast,

-2-CASE No. 2547 Order No. R-2244

NMPM, Eddy County, New Mextco, as a triple completion (conventional) in such a manner as to permit the production of oil from an undesignated Strawn pool through 2 3/8-inch tubing and from undesignated Wolfcamp and Bone Springs pools through parallel strings of 2-inch tubing.

PROVIDED HOWEVER, That the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Commission Rules and Regulations.

PROVIDED FURTHER, That the applicant shall take packer-leakage tests upon completion and annually thereafter during the Gas-Oil Ratio Test Period for the Strawn formation.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

5 I he

EDWIN L. MECHEM, Chairman

E. S. WALKER, Member

W. L. Pater, h.

A. L. PORTER, Jr., Member & Secretary

esr/

# State of New Mexico Oil Conservation Commission

LAND COMMISSIONER E. S. JOHNNY WALKER MEMBER



STATE GEOLOGIST A. L. PORTER, JR. SECRETARY - DIRECTOR

P. O. BOX 671 Santa Fe

May 28, 1962

Mr.	Guy Buel	.1	, Ke
Pan	American	Petroleum	Corporation
Box	1410		
For	t Worth,	Texas	

Case No. 2547
Order No. R-2244
Applicant:

Pan American Petroleum Corporation

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

A. L. PORTER, Jr.
Secretary-Director

Very truly yours,

ir/			د
Carbon copy of order	also	sent	to:
Hobbs OCCx			
Artesia OCC ×			
Aztec OCC			
OTHER			

# OIL CONSERVATION COMMISSION SANTA FE, HEW LEXICO

Date 5/22/62

CASE 2547

Hearing Date 9acc 5/10/62

My recommendations for an order in the above numbered cases are as follows:

Sufer an order approving the Striple Competition (Conventional)

of Pan Emerican Breenwood

Chief to 7, lorated in the Sty Nof4

Sec 12 1195, R31E, Eddy Co

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and bome Spring formations

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Ble leakage tests during

Burned GOR test period

for the Strawn

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#### DOCKET: EXAMINER HEARING - THURSDAY - MAY 10, 1962

OIL CONSERVATION COMMISSION - 9 A.M. - MORGAN HALL, STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

The following cases will be heard before Daniel S. Nutter, Examiner, or Elvis A. Utz, as alternate examiner:

CASE 2547:

Application of Pan American Petroleum Corporation for a triple completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order authorizing the triple completion (conventional) of its Greenwood Unit Well No. 7, located in Unit H, Section 12, Township 19 South, Range 31 East, Eddy County, New Mexico, in such a manner as to permit the production of oil from undesignated Strawn, Wolfcamp, and Bone Spring pools through parallel strings of tubing.

CASE 2548:

Application of Pan American Petroleum Corporation for an exception to Order No. R-660, Caprock-Queen Pool, Chaves County, New Mexico. Applicant, in the above-styled gause, seeks an exception to the Special Rules and Regulations of the Caprock-Queen Pool, Order No. R-660, for the assignment of a gas allowable equivalent to the total reservoir voidage of a top allowable oil well producing at the limiting GOR of 2000: 1 for its State "AK" Well No. 1 located in Unit N, Section 19, Township 15 South, Range 31 Cast, Chaves County, New Mexico.

CASE 2549:

Application of Cities Service Petroleum Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its Hodges B Well No. 4, located in Unit M of Section 1, Township 25 South, Range 37 East, Lea County, New Mexico, as a dual completion (conventional) in the North Justis Tubb-Drinkard Pool and Devonian formation adjacent to the North Justis-Devonian Pool with the production of oil from each zone to be through parallel strings of 2 3/8-inch tubing.

CASE 2550:

Application of Texaco Inc., for a quadruple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its G. L. Erwin "B" NCT-2 Well No. 4, located in Unit O of Section 35, Township 24 South, Range 37 East, Lea County, New Mexico, as a quadruple completion (tubingless) in the North Justis-Fusselman, North Justis-Devonian, North Justis Tubb-Drinkard and North Justis-

Docket No. 14-62

Blinebry Pools, with the production of oil from all zones to be through parallel strings of small diameter casing cemented in a common well bore.

CASE 2551:

Application of Texaco Inc., for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its G. L. Erwin "A" Well No. 1, located in Unit N of Section 35, Township 24 South, Range 37 East, Lea County, New Mexico, as a triple completion (tubingless) in the North Justis-Devonian, North Justis-Tubb Drinkard and North Justis-Blinebry Pools with the production of oil from all zones to be through parallel strings of small diameter casing cemented in a common well bore.

CASE 2552:

Application of Texaco Inc., for a quadruple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an amendment to Order R-2109 to permit the quadruple completion (tubingless) of its G. L. Erwin "B" NCT-2 Well No. 2, located in Unit J of Section 35, Township 24 South, Range 37 East, Lea County, New Mexico, in the North Justis-Blinebry Pool, North Justis Tubb-Drinkard Pool, an undesignated Paddock pool and an undesignated Devonian pool with the production of oil from all four zones to be through parallel strings of 2 3/8-inch casing cemented in a common well bore.

CASE 2553:

Application of Texaco Inc. for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cruse, seeks an amendment to Order R-2181 to permit the triple completion (conventional) of its C. H. Weir "B" Well No. 5, located in Unit G of Section 11, Township 20 South, Range 37 East, Lea County, New Mexico, in the Skaggs-Glorieta and Skaggs-Drinkard Oil Pools and in an undesignated Blinebry Oil pool with the production of oil from the Glorieta and Drinkard zones to be through parallel strings of 2 1/16-inch tubing and the production of oil from the Blinebry zone to be through a dual zone flow tube and a string of 1-inch tubing.

CASE 2554:

Application of T. F. Hodge for an order creating a new pool and establishing temporary rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order creating a new pool for Pennsylvanian production; the discovery well for said pool is the Humble-State Well No. 1, located in

Unit N of Section 26, Township 10 South, Range 33 East, Lea County, New Mexico, completed in the Bough "C" zone of the Pennsylvanian formation with perforations from 9667 feet to 9671 feet. Applicant further seeks establishment of special rules and regulations governing said pool, including 80-acre provation units.

#### CASE 2555:

Application of Gulf Oil Corporation for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its J. F. Janda (NCT-F) Well No. 6, located in Unit D of Section 4, Township 22 South, Range 36 East, Lea County, New Mexico, as a dual completion (conventional) in the Jalmat Gas Pool and South Eunice Pool with the production of oil from the Jalmat Gas Pool to be through a string of 1 1/4-inch tubing and the production of oil from the South Eunice Pool to be through a parallel string of 2 3/8-inch tubing.

#### CASE 2556:

Application of Gulf Oil Corporation for an unorthodox oil well location and a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks permission to complete its Lillie Well No. 3, located 2310 feet from the North line and 330 feet from the West line of Section 23, Township 24 South, Range 37 East, Lea County, New Mexico, as a dual completion (conventional) in the Fowler-Fusselman and Fowler-Ellenburger Pools with the production oil from both zones to be through a parallel strings of tubing. Said well is at an unorthodox location under the Fowler-Ellenburger Pool Rules.

#### CASE 2557:

Application of Gulf Oil Corporation for a unit agreement and a secondary recovery project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the West Dollarhide Devonian Unit Agreement embracing 765.25 acres, more or less, of Federal and State lands in Townships 24 and 25 South, Range 38 East, Lea County, New Mexico. Applicant further seeks permission to institute a secondary recovery project in the proposed West Dollarhide Devonian Unit Area by injection of water into the Devonian formation into certain wells located in said unit.

#### BEFORE THE OIL CONSERVATION COMMISSION

#### STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION	)		
OF PAN AMERICAN PETROLEUM	)		
CORPORATION FOR A TRIPLE CCM-	)		
PLETION OF ITS GREENWOOD UNIT WELL	)	No.	2547
NO. 7, LOCATED IN UNIT H, SECTION 12,	)		
TOWNSHIP 19 SOUTH, RANGE 31 EAST,	)		
N. M. P. M., EDDY COUNTY, NEW MEXICO.	)		

#### ENTRY OF APPEARANCE

The undersigned, Atwood & Malone of Roswell, New Mexico, a firm of attorneys all of whose members are duly licensed to practice law in the State of New Mexico, hereby enters its appearance as local counsel with Mr. Guy Buell, of the Texas Bar, appearing for Pan American Petroleum Corporation in said cause.

DATED at Roswell, New Mexico, this 3rd day of May, 1962.

ATWOOD & MALONE

Petroleum Corporation

Post Office Drawer 700

Roswell, New Mexico

### ATWOOD & MALONE LANCHEYER 600

LAWYERS

JEFF D, ATWOOD (1883-1960) ROSS L MALONE CHARLES F HALONE RUSSELL D MANN PAUL A COOTER BOB F TURNER

TELEPHONE SOS - 622-6221 SECURITY NATIONAL BANK BUILDING ROSWELL, NEW MEXICO

> MAY 3rd1962

New Mexico Oil Conservation Commission State Land Office Building Post Office Box 871 Santa Fe, New Mexico

Re: Docket of May 10, 1962 Cases Nos. 2547, 2548 and 2556

#### Gentlemen:

As local counsel for Pan American Petroleum Corporation, we enclose herewith our Entry of Appearance with Mr. Guy Buell of the Texas Bar in the above captioned cases.

Very truly yours,

ATWOOD & MALONE

R D

M

Encls.

Cc. J. K. Smith, Esquire

Pan American Petroleum Corporation

Oil and Gas Building Fort Worth, Texas

Page	11
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#### NEW MEXICO OIL CONSERVATION COMMISSION

EXAMINER HEARING - DANIEL S. NUTTER

SANTA FE , NEW MEXICO

#### REGISTER

HEARING DATE MAY 10, 1962 TIME: 9 A.M.

NAME: Janes Killshin Kanta Fe Rillicha & dox HONOR TOWN Eno Am Goy Buell Hotton Cities Savvice Pet. Co E.F. MorrER Subork Pan amincon J. T. Rodgers Lubbork Pan Omer Kan J.E. Thomas S. 12 36 9.26. 12h 17h 1720 J fallher H. World T. F Hadai Walle A Klahm. Colord Corp Famputy. W.M. Sargart Jr 120 Swell N AG GULF OR CORPS V.M. Hendricks LR Marshall JH Hoover Leuners Dis S a. W. Marco BEST AVAILABLE COPY

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
May 10, 1962

#### EXAMINER HEARING

IN THE MATTER OF:

Application of Pan American Petroleum Corporation for a triple completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order authorizing the triple completion (conventional) of its Greenwood Unit Well No. 7, located in Unit H, Section 12, Township 19 South, Range 31 East, Eddy County, New Mexico, in such a manner as to permit the production of oil from undesignated Strawn, Wolfcamp, and Bone Spring pools through parallel strings of tubing.

Case 2547

BEFORE: Daniel S. Nutter, Examiner.

#### TRANSCRIPT OF HEARING

MR. NUTTER: The hearing will come to order, please.

The first case this morning will be Case 2547.

MR. MORRIS: Application of Pan American Petroleum Corporation for a triple completion, Eddy County, New Mexico.

MR. BUELL: May it please the Examiner, we have one witness, Mr. Rodgers.

(Witness sworn.)



BUOUEROUE, N. M. HONE 243.6691

#### JAMES T. RODGERS

called as a witness, having been first duly sworn, testified as follows:

#### DIRECT EXAMINATION

#### BY MR. BUELL:

- Q Mr. Rodgers, would you state your complete name, by whom you are employed, and in what capacity and in what location, please?
- James T. Rodgers. I'm employed by Pan American in Lubbock as a petroleum engineer.
- Would you briefly state for the record, Mr. Rodgers, your educational background in petroleum engineering?
- Yes, sir. I received a B.S. degree in petroleum engineering from L.S.U. and an M.S. degree in petroleum engineering from the University of Texas. I worked for three months with Gulf Oil on their engineering training program and one year at the University of Texas for the P.R.C. and assistant professor, three years with Texas Tech as assistant professor of petroleum engineering.
- Q How long have you been employed by Pan American Petroleum Corporation?
  - Α About a year.
  - Q How long have you been in Lubbock?
  - About two months.



- Q Prior to that where were you stationed?
- A In Hobbs.

MR. BUELL: Are his qualifications as a petroleum engineer accepted?

MR. NUTTER: Yes, sir. Please proceed.

Q Mr. Rodgers, will you look at what I'll mark as Pan American's Exhibit No. 1 and state briefly for the record what that exhibit is composed of?

A Yes, this exhibit is a brochure on our triple completion, the Greenwood Unit No. 7. This well is completed in the Lusk Strawn Oil - Wolfcamp Undesignated Oil and Bone Springs Undesignated Oil in Eddy and Lea Counties, New Mexico.

- Q Let me ask you right at the outset, why is the hearing necessary for this triple, is it an unorthodox triple?
  - A Well, this is the first triple in these three zones.
- Q It is a conventional triple, but it's just in three zones that have not been tripled in this area prior to this application?
  - A Yes, sir, that's right.
- Q Would you go ahead and briefly discuss Exhibit No. 1 and point out to the Examiner the data which are reflected in this exhibit?

A Yes, sir. As shown on Attachment No. I on the right-hand side of the brochure, the well is located 1980 feet from the



north line and 660 feet from the east line of Section 12, Township 19 South, Range 31 East, Eddy County, New Mexico. well is just west of the Eddy-Lea County line. The nearest Strawn production is the El Paso Lusk Deep Unit Wells No. 1 and 2, and this unit is located approximately one and one-half miles southeast, which would place them in Lea County. The nearest Wolfcamp and Bone Springs production is the Pan American Greenwood Unit No. 3, approximately two miles northwest of Unit No. 7. This Greenwood is a dual in the Bone Springs and Wolfcamp, which is two of the three zones we are tripling the Greenwood 7 in.

If you turn the page, Attachment II is a diagramatic sketch of the submitted triple completion. We have shown here the type of completion. This is a three-tubing string completion, using two strings of OD Buttress Thread tubing and one string of 2-3/8" OD tubing.

The Bone Springs perforations are 8616 to 8658 and above the upper packer. The Wolfcamp perforations are 10,212 to 26 between the upper and lower packer. The Strawn perforations are 11,136 to 60. The upper packer is a Model FA, the lower is a Model D Baker.

The Attachment III is a Gamma Ray - Neutron Log of this well and we have shown marked on this log in red the tops of the pay sections, and also the perforations are indicated.



Attachment No. IV is a copy of Pan American's application for a multiple completion which was submitted by Pan American's letter of April 24, 1962.

Q Mr. Rodgers, are you submitting waivers from offset operators in connection with this application?

A No, sir. We do not request waivers because the offset operators are also part owners of the Greenwood Unit with Pan American.

Q But even though they all were partners, each one of them has been notified of this hearing here today?

A Yes, sir.

Q Do you happen to have with you the potentials on these three oil completions?

A Yes, sir. The three zones were all potentialed flowing oil. The Strawn flowed 206 barrels of oil and one barrel of water on 16/64 choke with 525 lb. tubing pressure. The GOR was 1150.

Q That was in what period of time?

A Twenty-four hour potential test.

Q Also on twenty-four hour potential, what did the Wolf-camp potential?

A The Wolfcamp flowed 220 barrels of oil and 20 barrels of water on 20/64 choke with a flowing tubing pressure of 300 lbs.

The GOR was 1250. The Bone Springs zone was also on twenty-four



hour potential and flowed 183 barrels of oil on 16/64 choke with a flowing tubing pressure of 950 lbs. The GOR was 787.

All three zones have gravities above 40. The Bone Springs is 40.5, the Wolfcamp is 41, the Strawn is 44.5.

Q Mr. Rodgers, have packer leakage tests been conducted on this well yet?

A No, sir, they have not. They will be conducted and submitted as required. There's a good possibility they are being conducted today.

Q It's your recommendation that they approve the triple completion request subject to satisfactory packer leakage tests being filed in due course with the Commission?

A Yes, that's our recommendation.

Q In your opinion will the approval of this request by the Commission serve conservation in that it will prevent waste?

A Yes, sir, it will. It's our opinion right now that neither of these zones is capable of supporting oil commercially on a single completion. Unless future data shows otherwise, we don't expect this to be prolific production, so thereby, by triple completing we feel that we have an opportunity to complete and produce from all three zones.

Q In that each one of these separate reservoirs will be completely isolated in this well bore, containly there's no



opportunity for the violation of the correlative rights of any owners of interest in the area, is there?

- No, sir. A
- Do you have anything else you would like to add, Mr. Q Rodgers?
  - No. sir, I don't. A

MR. BUELL: That's all we have at this time, Mr. Examiner.

MR. NUTTER: Are there any questions of Mr. Rodgers?

#### CROSS EXAMINATION

#### BY MR. NUTTER:

- Mr. Rodgers, is this well in the potash area?
- No, sir, it is not, Mr. Nutter.
- Pan American was recently drilling a deep test in the potash area?
  - To my knowledge, that was the Big Eddy Unit No. 1. A MR. BUELL: The what?
- The Big Eddy Unit No. 1. I believe that's properly A called the Big Eddy Deep Unit No. 1.
  - Is the cement circulated on the 9-5/8" pipe? Q
  - No, sir, it's not. A
  - What is the top of the cement? Q
- The top of the cement on the  $9-5/8^n$  is not known. As it indicates there, there was 750 sacks of Incor used.



- Q I missed your flowing tubing pressure on the Strawn.
- A The Strawn flowing tubing pressure, 525 PSI.
- Q And the GOR again?
- A 1150.
- Q Do you have bottom hole pressures on any of these zones?
- A No, sir, we don't have any as yet. We do plan to take some.

MR. NUTTER: Any further questions of Mr. Rodgers? He may be excused.

(Witness excused.)

MR. BUELL: May I formally offer Pan American's exhibit in evidence?

MR. NUTTER: Pan American's Exhibit No. 1 will be entered in evidence. Do you have anything further, Mr. Buell?

MR. BUELL: No, sir.

MR. NUTTER: Does anyone have anything further to offer in Case 2547? We will take the case under advisement.



PARMINGTON, N. M. PHONE 325-1182

STATE OF NEW MEXICO )

COUNTY OF BERNALILLO )

I, ADA DEARNLEY, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, is a true and correct record to the best of my knowledge, skill and ability.

IN WITNESS WHEREOF I have affixed my hand and notarial seal this 21st day of May, 1962.

Notary Public-Court Reporter

My commission expires: June 19, 1963.

I do hereby certify that the foregoing is a complete record of the proceedings in the Parating of Case No. 1967.

New Maxico Gil Conservation Commission



Charle 13.5 4 FORM 470 2-57

# PANAMERICAN PETROLEUM CORPORATION

1002 ATR ( ) M 7. 2.7 Box 268

Lubbock, Texas April 24, 1962

File:

CDF-6222-986.510.1

Subject: Application For Permission To Triple Complete the Pan American Et al, Greenwood No. 7 In The Lusk Strawn (Oil) - Wolfcamp Undesignated (Oil) - Bone Springs Undesignated (Oil) Pools

Eddy County, New Mexico

Mr. A. L. Porter, Jr. Secretary-Director New Mexico Oil Conservation Commission P. O. Box 871 Santa Fe, New Mexico

In accordance with the provisions of Statewide Rule No. 112, Pan American Petroleum Corporation respectfully requests that you schedule for an early docket a hearing to consider its application for permission to triple complete the subject well in the pools specified above. As shown the attached plat, this well is located 1980 feet from the north line and 660 feet from the east line of Section 12, T-19-S, R-31-E, Eddy County, New Mexico.

In support of this application we enclose herewith three copies of State Form Application For Multiple Completion, a plat showing the location of this well, and a diagramatic sketch showing the manner in which we propose to triple complete. We presently have only field prints of the logs run on this well. We will furnish a finished print of the well log at the hearing.

Greenwood No. 7 is located within the limits of the Greenwood Pre-Grayburg Unit and is on acreage dedicated by Carper Drilling Company. It is offset to the north, east, and west by Greenwood Unit acreage which is operated by Pan American. It is offset to the southwest, south, and southeast by acreage held by Continental Oil Company, Shell Oil Company, and Pan American. Copies of this application are being furnished these companies who are also co-owners of Greenwood No. 7.

Yours very truly,

A, J. Inderrieden District Engineer

WJS:lam

Enclosures

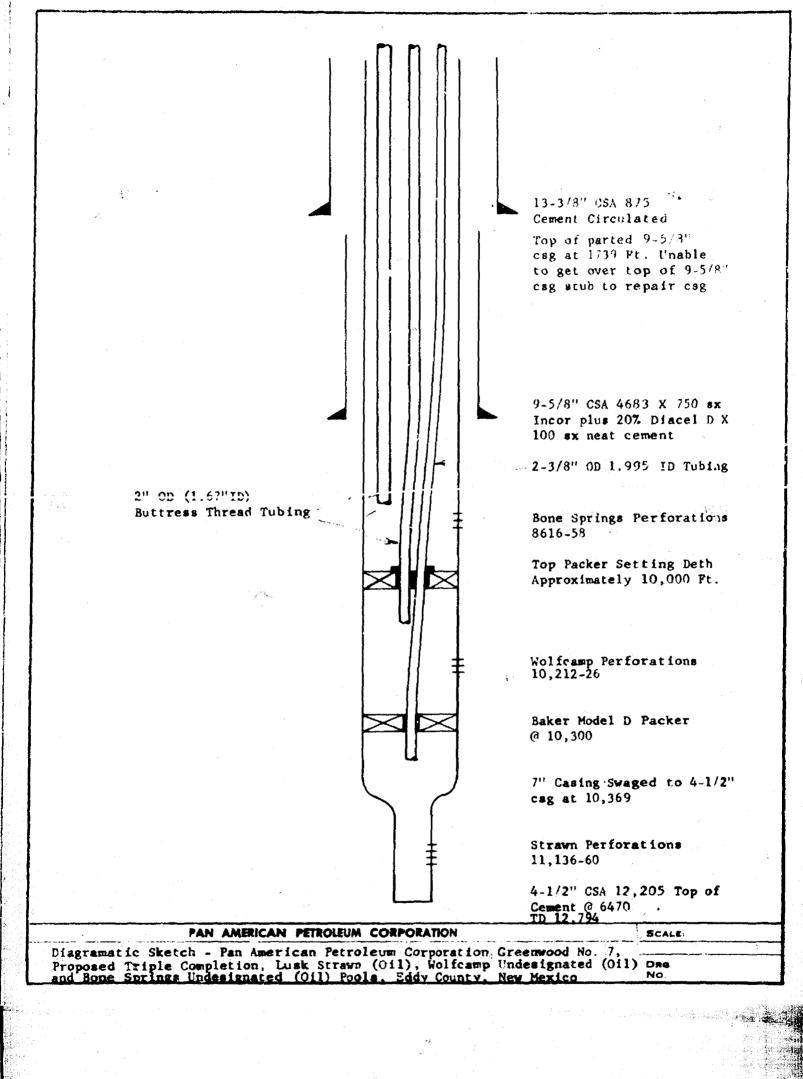
cc: Continental Oil Company - W/Attach. Shell Oil Company - W/Attach. Carper Drilling Company - W/Attach.

#### SANTA FE, NEW MEXICO

APPLICATION FOR MULTIPLE COMPL	<u>ሂር 11</u>	W
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Pan American Perrole	un Corporation	County Bady 13	4-24-62
Address	idil Gos poraczon	Lease Greenwood 7	Well-Mo.
P. O. Box 268, Labbo	ock, Texas	Pre-Grayburg Unit	7
	ection	Township	Range
oi kell II	12	19 South	R-31-E
1. Has the New Mexico Oil Conservation			a well in these same pools or in the
same zones within one mile of the st			
7. It answer is yes, identify one such in	stance: Order No.	Operator, Lease, and	Well No.:
3. The following facts are submitted:	Linux	Intermediate	Lower
	Upper Zone	Zone	Zone
a. Name of Pool and Formation	Bone Springs Un-	Volfca Undesig	nated Lusk Strawn
5. Top and Buttom of	designated		
Pay Section	0616 50	10212 26	11136-60
(Perforations)  e. Type of production (Oil or Gas)	3616-58	10212-26 011	011
d. Method of Production	To be tested		
(Flowing or Artificial Bift)	To be tested	Flowing	Flowing
4. The following are attached. (Please		and the second s	
operators of all leases offse  c. Waivers consenting to such have been furnished copie d. Electrical log of the well thereon. (If such log is not  5. List all offset operators to the lease of	etting applicant's lease.  In multiple completion from sof the application.*  or other acceptable log with available at the time application which this well is located.	each offset operator, or in lieu there h tops and bottoms of producing zone cation is filed, it shall be submitted	address.
Continental Oil Compar	<u>ıy</u>	ROSWELL, NEW MEX	100
Shell Oil Company		Roswell, New Mex	ico
Carper Drilling Compan		Artesia, New Mex	ico
,			
of such notificationApril 24.		copy of this application? YES X	NO If answer is yes, give date
CERTIFICATE: I, the undersigned, st			ort; and that this report was prepared
nder my supervision and direction and the		The state of the s	•
• • • • • • • • • • • • • • • • • • • •		lack	
		a XInderneder	gnature District Engineer
		A. /J. Inderrieden Si	gnature District Engineer
		pplication for administrative approva	I, the New Mexico Oil Conservation
		20) days from date of receipt by the	
OTE: If the proposed multiple completion	n will result in an unorthoo		, the application will then be processed and protection unit in either or both of ously with this application.

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#### DISCUSSION

Pan American Petroleum Corporation respectfully requests that the New Mexico Oil Conservation Commission grant permission to triple complete its Greenwood Pre-Grayburg Unit Well No. 7 in the Lusk Strawn (Oil) - Wolfcamp Undesignated (Oil) Bone Springs Undesignated (Oil) Pools of Eddy and Lea Counties, New Mexico.

As shown on Attachment I, Greenwood No. 7 is located 1980 feet from the north line and 660 feet from the east line of Section 12, T-19-S, R-31-E, Eddy County, New Mexico. This location is very near the Eddy-Lea County line and approximately 30 miles northeast of Carlsbad, New Mexico.

The nearest Strawn Production is in the El Paso lusk Deep Unit Wells No. 1 and 2, located in Sections 18 and 19, T 19-S. R-32-E, approximately 1-1/2 miles southeast of Greenwood No. 7. The nearest Wolfcamp and Bone Springs production is in the Pan American Greenwood No. 3 located in Section 27, T-19-S, R-31-E, approximately 2 miles northwest of Greenwood No. 7.

Attachment II is a diagramatic sketch showing the manner in which this well has been triple completed. This is a "conventional" triple completion in 7" realing with each horizon producing through a separate tubing string. The use of two packers and separate tubing strings will prevent the commingling of fluids from the three horizons in the well bore and will permit the safe and efficient production of oil from these three reservoirs.

Attachment III is a Gamma Ray-Neutron Log of Greenwood No. 7 with the performal intervals and formation tops marked thereon in red.

Attachment IV presents, for convenience, a copy of Pan American's application for multiple completion which was submitted by Pan American's letter of April 24, 1962, File: CDF-6222-986.510.1.

Waivers of objection to this application have not been requested of the offset operators since these operators are also part owners of Greenwood No. 7. Copies of Pan American's application for multiple completion were furnished these partners; Shell Oil Company, Continental Oil Company, and Carper Drilling Company, by copies of Pan American's letter of April 24, 1962, File: CDF-6222-986.510.1.

BEFORE EXAMINER NUTTER
OIL CONFERVATION COMMISSION

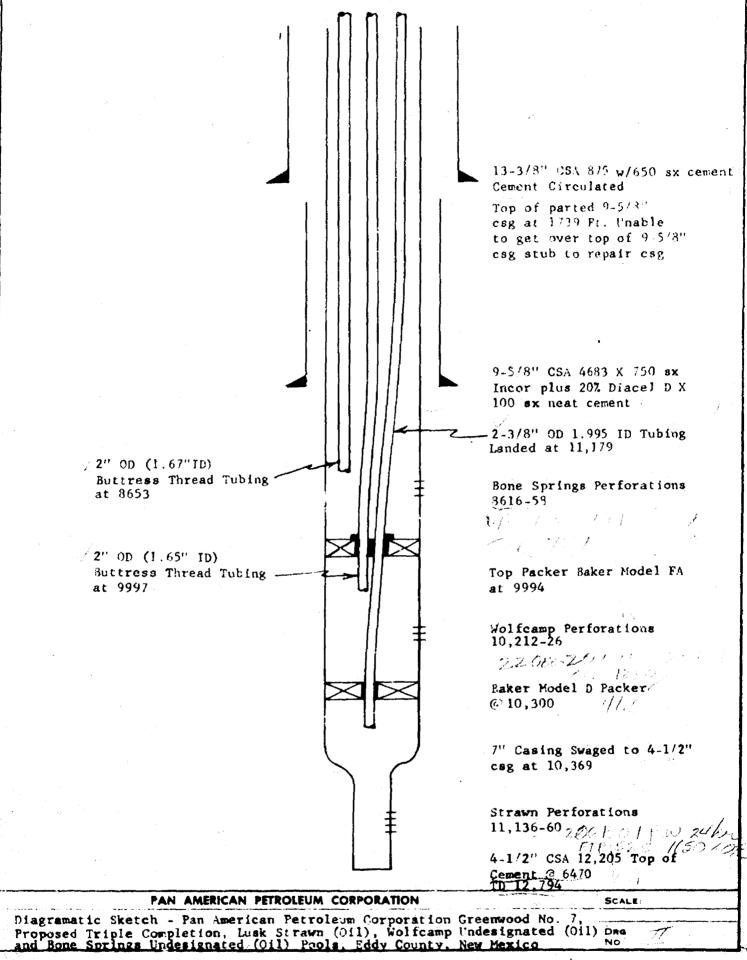
AMALEXHILIT NO.

CASE NO. 254

#### EXHIBIT

PAN AMERICAN PETROLEUM CORPORATION'S APPLICATION FOR PERMISSION TO TRIPLE COMPLETE ITS GREENWOOD PRE-GRAYBURG UNIT WELL NO. 7 IN THE LUSK STRAWN (OIL) - WOLFCAMP UNDESIGNATED (OIL) AND BONE SPRINGS UNDESIGNATED (OIL) POOLS LEA AND EDDY COUNTIES, NEW MEXICO

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#### SANTA FE, NEW MEXICO

### APPLICATION FOR MULTIPLE COMPLETION

Operator	arrica, il a more mente mente di autori arribiti di Anti encantigua ngali birang di maganistra mani	County	Date
	roleum Corporation	Eddy	<u>A</u> 24-62
Address	_	LeaseGreenwood	Well No.
	Texas ISection	Pre-Grayburg Unit	Range
or kell	12	19 South	31 East
AND ADDRESS OF THE PARTY OF THE	ttion Commission heretofore at		n of a well in these same pools or in the
name zones within one mile of the	subject well? YES	NO X	•
7. It answer is yes, identify one such			ind Well No.:
	.8		
	and a supplementation of the books of the supplementation of the sup		
3. The following facts are submitted:	Upper	Intermediate Zone	Lower
enterestativamente enterestativamente enterestativamente producerante enterestativamente enterestativamente en	Záne	None	Zone
a. Name of Pool and Formation	Sone Springe Unde	eig- Wolfcamp Undeal	gnated Luck Streen
b. Top and Bottom of	nated		
Pay Section			4444
(Perforations)	8616-58	10212-26	11136-60
d. Method of Production (Oil or Gas)	To be tested		011
(Flowing or Artificial lift)		<b>21</b>	Plantas
4. The following are attached. (Pleas	To be tested	Floring	Plowing
List all offset operators to the leas Continental Oil Compan	e on which this well is located	d together with their correct mail	ited as provided by Rule 112-A.) ling address.
Shell Oil Company - Re	erell, New Mexico		
Carper Drilling Compan	y - Artesia, New Me	rieo	<u></u>
Were all operators listed in Item 5 a	bove notified and furnished a	copy of this application? YES	NO If answer is yes, give date
of such notificationApril 24	. 1962	·	
CERTIFICATE: I, the undersigned,	state that I am the	of (	the
der my supervision and direction and			report; and that this report was prepared the best of my knowledge.
Should mainers from all office		A. J. Inderrieden	Signature <b>District Engineer</b> oval, the New Mexico Oll Conservation
Commission will hold the applic	ation for a period of twenty (2	0) days from date of teceipt by t	oval, the New Mexico Oil Conservation the Commission's Santa Fe office. If, fice, the application will then be processe.
			andard protation unit in either or both of

IV

See Jack

CASE 2547: Application of PAN AM. for a triple completion of its GREENWOOD UNIT WELL NO. 7.