CASE 5244: Application of EL PASO NATURAL FOR A DUAL COMPLETION, SAN JUAN COUNTY, N. M.

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CASE 170. 5244

Application,

Transcripts,

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BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico May 22, 1974

EXAMINER HEARING

IN THE MATTER OF:

Application of El Paso Natural
Gas Company for a dual completion,
San Juan County, New Mexico.

Case No. 5244

BEFORE: Richard L. Stamets, Examiner

For New Mexico Oil Conservation Commission:

William Carr, Esq. Legal Counsel for the Commission State Land Office Building Santa Fe, New Mexico

For the Applicant:

Neil Beck, Esq. El Paso Natural Gas El Paso, Texas

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L N D E X

PAGE

HAROLD L. KENDRICK

Direct Examination by Mr. Beck
Cross Examination by Mr. Stamets

E X H I B I T S

Applicant's Exhibits Nos. 1 through 4

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MR. STAMETS: Case 5244.

MR. CARR: Case 5244. Application of El Paso
Natural Gas Company for a dual completion, San Juan County,
New Mexico.

MR. BECK: Neil Beck, representing El Paso

Natural Gas Company in this case. An entry of appearance
has been made by Sumner Buell of Montgomery, Federici,
Andrews, Hannahs and Buell. We have one witness to be
sworn.

MR. STAMETS: Are there any other appearances in this case? The witness will stand and be sworn, please.

HAROLD L. KENDRICK

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

DIRECT EXAMINATION

BY MR. BECK:

Q Mr. Kendrick, will you please state your name, where you reside, by whom you are employed and in what capacity?

A My name is Harold L. Kendrick. I live at El Paso, Texas. I am employed by El Paso Natural Gas Company as a Senior Proration Engineer.

Q Are you familiar with El Paso's Application in

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Case No. 5244?

A Yes, sir, I am.

Q Have you testified previously before the Commission and were your qualifications acceptable?

A Yes, sir, they were.

MR. BECK: Mr. Examiner, are the witness qualifications acceptable?

MR. STAMETS: They are.

BY MR. BECK:

Q Mr. Kendrick, would you please state what El Paso Natural Gas Company is seeking in this Application in Case No. 5244?

A El Paso Natural Gas Company drilled the Hubbell No. 14 Well in Unit G of Section 18, Township 29 North, Range 10 West, San Juan County, New Mexico and dually completed in the Chacra and Fruitland formations. El Paso seeks approval of the dual completion of its Hubbell No. 14 Well and systematic produced gas from the Aztec-Fruitland Pool and the undesignated Chacra formation through parallel strings of 2 and 7/8-inch casing cemented in a common wellbore without the benefit of tubing.

Q Mr. Kendrick, referring now to what has been designated as Exhibit No. 1, would you please explain this

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to the Examiner?

A This is a plat showing the location of the Hubbell No. 14 Well and the wells on the offset acreage. The well site is in Section 18, the northeast quarter, and designated by large orange dots with an arrow pointing to it.

Q Referring now to what has been marked as Exhibit No. 2, would you please identify this and explain it to the Examiner?

A Exhibit 2 is a diagrammatic sketch of the Hubbell 14 Well. It shows a 9 and 5/8-inch surface casing was set at 140 feet and cemented to the surface. It also shows that two parallel strings of 2 and 7/8-inch casing were run in a common hole and cemented with enough cement to bring the top of the cement to 400 feet from the surface as determined by a temperature survey. It also shows that the Fruitland formation is perforated from 1730 to 48 feet and then fraced with sand and water. It shows that the Chacra formation was perforated from 3020 feet to 3032 feet and fraced with sand and water.

Q Mr. Kendrick, referring now to what has been designated as El Paso's Exhibit No. 3, would you please explain this exhibit?

A Exhibit No. 3 is a reproduction of the logs of

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the Hubble 14 Well. The lefthand side of the exhibit is the compensated density log and the righthand side of the exhibit is an induction electro log. On the induction electro log in the detailed log section, the top of the Fruitland has been picked at 1627 feet and marked and the top of the Chacra is picked at 2904 feet and marked.

Q Referring now to what has been designated as Exhibit No. 4, Mr. Kendrick, would you please explain this to the Examiner?

A Exhibit 4 is an oriented perforating record log to indicate the tubing direction and perforating the upper Fruitland production casing.

Q Mr. Kendrick, will you please explain to the Examiner briefly the drilling and completion technique that El Paso has utilized in drilling the Hubbell No. 14 Well?

A The drilling and completion of the Hubbell 14
Well required certain special techniques due to the unique
tubing this type of completion desired. 9 and 5/8-inch
casing was set in a 13 and 3/4-inch hole at 140 feet
with cement circulated to surface. After waiting on cement
for 12 hours an 8 and 3/4-inch hole was drilled to 2020
feet at which time the hole was reduced to 7 and 7/8 inches

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and drilled to 2820 feet where it again was reduced to 6 and 3/4-inch and was drilled to 3078 feet as total depth. The 2 and 7/8-inch production casing for the Chacra formation was run and set at 3075 feet and landed in the 9 and 5/8-inch wellhead. The 2 and 7/8-inch production casing for the Fruitland formation was run and set at 2014 feet and was also landed in the 9 and 5/8-inch casing wellhead. The Chacra production casing was then cemented with 434 cubic feet of cement. Following the operation, the Fruitland production casing was cemented with 656 cubic feet of cement. The top of the cement in the temperature survey was determined to be 400 feet. Approximately 8 days later, the Fruitland production casing was perforated from 1730 feet to 1748 feet with 18 shots. The perforating gun was oriented in the hole to preclude the possibility of perforating the Chacra production casing. Prior to perforating the Fruitland formation, the Fruitland and Chacra casing were each tested to 400 PSIG After perforating the Fruitland casing the Chacra casing was again tested to 4000 PSIG for evidence of the perforating gun's failure to orient properly. This pressure test indicated the Chacra casing was not damaged. Following this operation, the Chacra formation was then

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perforated from 3020 feet to 3032 feet with 18 shots. Subsequent to the perforating operation, the Chacra formation was fraced with 18,000 pounds of sand and 18,480 gallons of water. The Fruitland formation was fraced with 21,000 pounds of sand and 21,504 gallons of water. The test of the Fruitland formation calculated an absolute open flow of 478 MCF per day, while the test of the Chacra formation calculated an absolute open flow of 724 MCF per day.

- Q At the time of obtaining the potential for each zone of the dually completed well, were pressures measured to verify the two producing zones where separated?
 - A Yes, sir, they were.
 - Q Would you please elaborate on this data?
- A On May 7th, 1974, the shut-in pressure in the Fruitland formation was 628 PSIG and the Chacra was 1083 PSIG. Flowing the Chacra formation did not cause a pressure drop in the Fruitland. On May 14th, the shut-in pressure on the Fruitland was measured at 637 PSIG and the Chacra at 1077 PSIG. Flowing the Fruitland did not cause a drop in the Chacra formation pressure.
- Q Mr. Kendrick, in your opinion, does the manner in which the Hubbell No. 14 Well was completed comply with

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New Mexico Oil Conservation Commission rules and regulations

A Yes, sir, it does. The manner in which the well is completed will permit production of hydrocarbons from both zones, to be safely and efficiently produced with complete separation of zones.

Q In your opinion, Mr. Kendrick, will the granting of this Application result in the protection of correlative rights and the prevention of waste?

A Yes, sir.

Q Were these exhibits either prepared by you or under your supervision?

A Yes, sir, they were.

MR. BECK: Mr. Examiner, at this time I move the introduction of El Paso's Exhibits 1 through 4, and this completes El Paso's direct examination.

MR. STAMETS: Exhibits 1 through 4 will be admitted into evidence.

(Whereupon, Applicant's Exhibits Nos. 1, 2, 3 and 4 were marked for identification, offered and admitted into evidence.)

CROSS EXAMINATION

BY MR. STAMETS:

And the state of the state of the

Q Mr. Kendrick, what you are seeking here is

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KENDRICK-CROSS

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a typical tubingless multiple completion with the appropriate test requirements and so on?

A Yes.

MR. STAMETS: Are there any other questions of this witness?

You may be excused.

(Witness dismissed.)

MR. STAMETS: Is there anything further in this case?

The case will be taken under advisement.

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STATE OF NEW MEXICO)
COUNTY OF SANTA FE)

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I, RICHARD L. NYE, Court Reporter, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me, and the same is a true and correct record of the said proceedings, to the best of my knowledge, skill and ability.

COURT REPORTER

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2777, heard by me on 2777, 1997.

New Mexico Oil Conservation Commission

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OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO P. O. BOX 2088 - SANTA FE 87501

June 4, 1974

I. R. TRUJILLO
CHAIRMAN

LAND COMMISSIONER
ALEX J. ARMIJO
MEMBER

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

Re: CASE NO. 5244
ODDED WO
ORDER NO. R-4804
Applicant:
El Paso Natural Gas Co.
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ntered in the subject case.
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1. L. Porter, J.
L. PORTER, Jr.
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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. 5244 Order No. R-4804

APPLICATION OF EL PASO NATURAL GAS COMPANY FOR A DUAL COMPLETION, SAN JUAN COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on May 22, 1974, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 4th day of June, 1974, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, 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, El Paso Natural Gas Company, seeks authority to complete its Hubbell Well No. 14, located in Unit G of Section 18, Township 29 North, Range 10 West, NMPM, San Juan County, New Mexico, as a dual completion (tubingless) to produce gas from the Aztec-Fruitland Pool and from an undesignated Chacra-gas pool through parallel strings of 2 7/8-inch casing cemented in a common wellbore.
- (3) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.
- (4) That approval of the subject application will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, El Paso Natural Gas Company, is hereby authorized to complete its Hubbell Well No. 14, located in Unit G of Section 18, Township 29 North, Range 10 West, NMPM, San Juan County, New Mexico, as a dual completion (tubingless) to produce gas from the Aztec-Fruitland Pool and from an undesignated Chacra-gas pool through parallel strings of 2 7/8-inch casing cemented in a common wellbore;

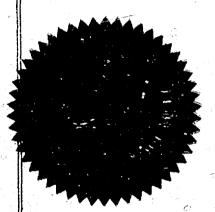
-2-CASE NO. 5244 Order No. R-4804

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 insofar as said rule is not inconsistent with this order;

PROVIDED FURTHER, that the applicant shall take zone segregation tests upon completion and annually thereafter.

(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 herein-above designated.



STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

I. R. TRUJILLO, Chairman

ALEX J. ARMIJO, Member

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

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BEFORE THE

NEW MEXICO STATE OIL CONSERVATION COMMISSION

IN THE MATTER OF

THE APPLICATION OF EL PASO NATURAL GAS COMPANY FOR A DUEL COMPLETION GAS WELL, HUBBELL NO. 14, Section 18, Township 29 North, Range 10 West, SAN JUAN COUNTY, NEW MEXICO.

Case No. 5244

ENTRY OF APPEARANCE

Comes now Sumner G. Buell, of Montgomery, Federici, Andrews, Hannahs and Buell and enters his appearance on behalf of Applicant El Paso Natural Gas in this case.

MONTGOMERY, FEDERICI, ANDREWS, HANNAHS AND BUELL

Post Office Box 2307 Santa Fe, New Mexico 87501

Dockets Nos. 15-74 and 16-74 are tentatively set for hearing on June 5 and June 19. Application for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - MAY 22, 1974

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

The following cases will be heard before Daniel S. Nutter, Examiner, or Richard L. Stamets, Alternate Examiner:

CASE 5206: (Continued from the April 25, 1974, Examiner Hearing)

Application of Continental Oil Company for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to commingle West Warren-Blinebry and East Skaggs-Drinkard production in the wellbore of its SEMU Burger Well No. 21 located in Unit O of Section 19, Township 20 South, Range 38 East, Lea County, New Mexico.

CASE 5240: In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Burwinkle and Scanlon and Husky Energy, Inc. and The Employers' Fire Insurance Company and all other interested parties to appear and show cause why the following wells located in Section 28, Township 20 North, Range 9 West, McKinley County, New Mexico, should not be plugged and abandoned in accordance with a Commission-approved plugging program:

Ohwell Wells Nos. 1, 2, 3, 5, 8, and 39 in Unit C; Ohwell Wells Nos. 9, 10, 11, 12, and 13 in Unit A; and Jaco State Well No. 104 in Unit G.

- CASE 5241: Application of Depco, Inc. for an unorthodox gas well location, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks, as an exception to Order No. R-1670-H, approval for the unorthodox location of a well to be drilled 1325 feet from the North and East lines of Section 3, Township 15 South, Range 27 East, Buffalo-Pennsylvanian Gas Pool, Chaves County, New Mexico.
- CASE 5242: Application of Penroc Oil Corporation for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its Allied-Com Well No. 1 located in Unit B of Section 27, Township 20 South, Range 27 East, Eddy County, New Mexico, in such a manner as to produce undesignated Wolfcamp gas through the tubing and undesignated Morrow gas through the annulus by means of a cross-over assembly.
- CASE 5243: Application of Continental Oil Company for special gas-oil ratio, Lea County, New Mexico. Applicant, in the above-styled case, seeks the establishment of a special gas-oil ratio limitation of 10,000 cubic feet of gas per barrel of oil for the Weir-Drinkard Oil Pool, Lea County, New Mexico.

CASE 5248:

Application of Citles Service Oil Company for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its Tracy "A" Com Well No. 1 located in Unit C of Section 33, Township 21 South, Range 27 East, in such a manner as to produce undesignated Strawn gas through the tubing and undesignated Morrow gas through the annulus by means of a cross-over assembly.

CASE 5244:

Application of El Paso Natural Gas Company for a dual completion, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the tubingless dual completion of its Hubbell Well No. 14 located in Unit G of Section 18, Township 29 North, Range 10 West, San Juan County, New Mexico, in such a manner as to produce Aztec-Fruitland and undesignated Chacra gas through parallel strings of 2 7/8-inch casing cemented in a common wellbore.

CASE 5245:

Application of Texaco Inc. for a tubingless quadruple completion and downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the quadruple completion of its C. H. Weir "A" Well No. 8 located in Unit F of Section 12, Township 20 South, Range 37 East, Lea County, New Mexico, in such a manner as to produce Skaggs-Glorieta, East Weir-Blinebry, East Weir-Tubb, and Skaggs-Drinkard production through three parallel strings of 2 7/8-inch casing cemented in a common wellbore with the East Weir-Blinebry and the Skaggs-Drinkard production commingled and produced through a single string of casing.

CASE 5246:

Application of Tenneco Oil Company for pressure maintenance expansion and dual completions, McKinley County, New Mexico. Applicant, in the above-styled cause, seeks approval for the expansion of its South Hospah Lower Sand Pressure Maintenance Project, South Hospah Field, McKinley County, New Mexico, by the dual completion of its Hospah Well No. 41 located five feet from the North line and 1650 feet from the East line and its Hospah Well No. 56, located 1100 feet from the North line and 1275 feet from the East line, both in Section 12, Township 17 North, Range 9 West, to permit injection of water into the Lower Sand as well as the Upper Sand as presently authorized.

CASE 5247:

Application of Champlin Petroleum Company for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its Pecos Federal Well No. 1 located in Unit C of Section 1, Township 22 South, Range 27 East, Eddy County, New Mexico, in such a manner as to produce undesignated Strawn gas through the tubing and undesignated Morrow gas through the annulus by means of a cross-over assembly.

PLAT SHOWING LOCATION OF INTENDED DUAL COMPLETION (TUBINGLESS) EL PASO NATURAL GAS COMPANY HUBBELL #14 (FT-CH) WELL AND OFFSET ACREAGE

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LEGEND:

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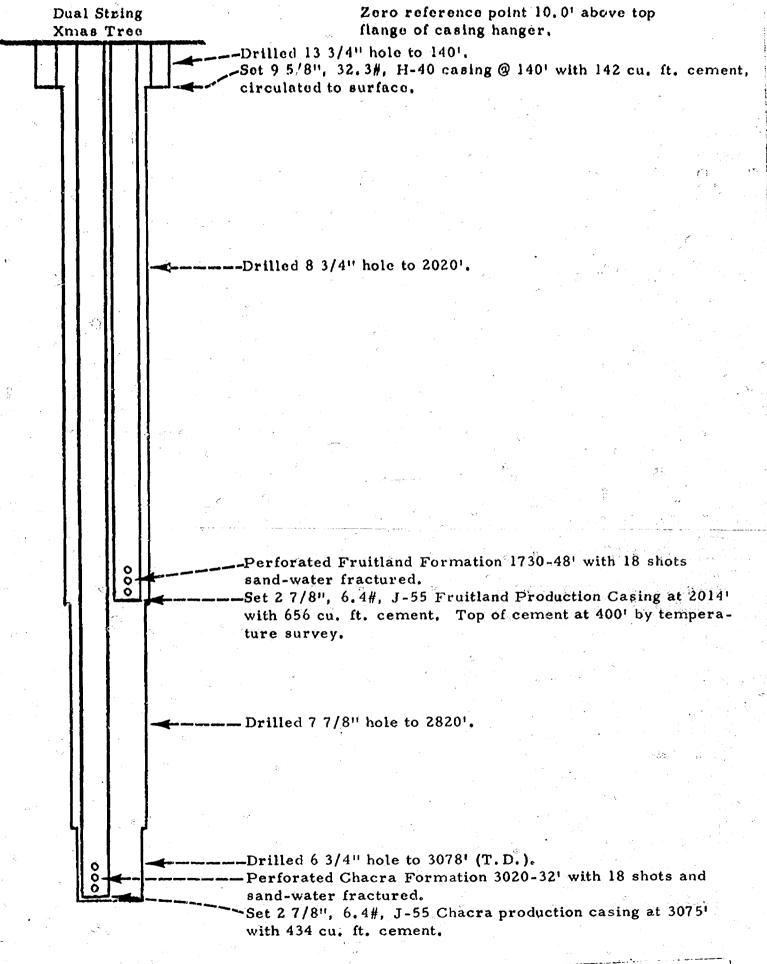
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OIL CONS	FRVATION	ER STAMETS V COMMISSI	ON
FPNG	EXHIBIT	NO	
CASE NO.	524	4	
Submitted	oy	14 22,1	474

Schematic Diagram of Dual Completion

El Paso Natural Gas Company Hubbell #14 (FT-CH)

NE/4 Sec. 18, T-29-N, R-10-W



 BEFORE EXAMINER STAMETS OIL CONSERVATION COMMI SION EPNG EXHIBIT NO. 2 CASE NO. 5244
Submitted by Hearing Date MAY 22, 1974

Palked to Kendrick (Ogtic) about this on 4-24-74. Cont find another dual of this type. (Fruitland & Chava) advised it will go for hearing on 5/22 unless Emery av or El Paso car give reason for adm. approval Live to Dan mon. 4/29 unless E.P. or Emery calls.

Form C-107 5-1-61

NEW MEXICO OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO APPLICATION FOR MULTIPLE COMPLETION

				21-	25244
Operator		County		Date	
El Paso Natural Gas	Conp any		San Juan	Anı	ril 3, 1974
Address		Lease	Jun Juni	Well No	
PO Box 990, Farming			Hubbell		14
Location	tton To	wnship	29N	Range	1011
				<u> </u>	10W
 Has the New Mexico Oil Conservation zones within one mile of the subject 		NO	13 111 10 00 1		
2. If answer is yes, identify one such in		NO	Operator Lease, an		
			, 0000000000000000000000000000000000000		
3. The following facts are submitted:	Upper Zone		Intermediate	.^	Lower
a. Name of Pool and Formation		<u>-</u>	Zone		Zone Channe
b. Top and Bottom of	Aztec Fruitland E	χţ,			Undes, Chacra
Pay Section					en e
(Perforations)	1605-1920'				2920-3070'
c. Type of production (Oil or Gas)	gás		HE DEEM OF COST.		gas
d. Method of Production	61		ese Established		
(Flowing or Attificial Lift) 4. The following are attached. (Please	flow				flow
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X a. Diagrammatic Sketch	of the Multiple Completio	n, showi	ng all casing strings, includ	ling dian	neters and setting depths, central-
izers and/or turbolize diameters and setting	ers and location thereof, q depth, location and type	of packer	s used and top of cement, pe ts and side door chokes, and s	ttotated such othe	intervals, tubing strings, including er information as may be pertinent.
X b. Plat showing the local	ation of all wells on appli	icant's le		*	ses, and the names and addresses
	ases offsetting applicant's				6 millions shar said afford annual
tors have been furnis	o such multiple completions shed copies of the applications.	n from ea ation.*	ich Guset operator, or in me	u thereo	f, evidence that said offset opera-
The deflective loss of the	well or other accentable	loe with	tops and bottoms of produc	ing zon	es and intervals of perforation in-
			<u> </u>		mitted as provided by Rule [12-A.)
5. List all offset operators to the lease Petroleum Corporation					ss.
retrotedii Corporati	on or read, to box	7113/1	recaciniage, in A	.024	THE STATE OF THE S
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<u>January and American State of the State of </u>			<u> </u>	16	1974
					APR COM.
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	Agricon Company	•	te de la companya de		DIST. 3
	· · · · · · · · · · · · · · · · · · ·				
6. Were all operators listed in Item 5 a	bove notified and furnishe	d a copy	of this application? YES	ΧN	O If answer is yes, give
date of such notification April	1 3, 1974		• • • • • • • • • • • • • • • • • • •		
CERTIFICATE: I, the undersigned,	state that I am the Seni	or Dri	lling Engineer of		<u>Paso Natural Gas Compan</u>
under my supervision and direction and	ompany), and that I am at	uthorized in are tru	by said company to make the correct and complete to t	is report he besi	t; and that this report was prepared of my knowledge.
under my supervision and direction and				./	
DOC	KET MAILED	-2			
7	5-9-14			an	gyan
V	5-9-14	I	O. Van Ryan	Signatu	ue /
Thould moinets from all oilsel obeintor	's not accompany an apput	cation fo	administrative approval, t	he New	Mexico Oil Conservation Commis-
sion will hold the application for a per day period, no protest nor request for	riod of twenty (20) days fr	om date i	of receipt by the Commission	in's Jan	la re office. If, after said twenty-
			· · · · · · · · · · · · · · · · · · ·		
NOTE: If the proposed multiple comple the producing zones, then sepa	tion will result in an unor	thodox w	ell location and/or a non-s e same should be filed sim	tandard ultaneou	proration unit in the orimore of sly with this application.
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OIL CONSERVATION COMMISSION DISTRICT

SANTA FE,	NEW MEXICO			- **	Re	e: Proposed		- 7
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48	e de la companya de La companya de la co					Proposed	NSL	
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THE APPLICATION OF El Paso Natural Has Company	
FOR A Duel COMPLETION in its	ORDER NO. MC 2/0/
Hubbell Well no. 14, located in Unit 6, Section 18,	Old III
	214
Son Juan County, New Mexico, in such a	13ar 5-244
manner as to produce gas from the	
ADVIATEDANTED AND AND AND AND AND AND AND AND AND AN	
ADMINISTRATIVE ORDER OF THE OIL CONSERVATION COMMI	CCTON
OF THE OTH CONSERVATION COMMI	SSTON
Under the provisions of Rule 112-A	(some)
made application to the New Mexico Oil Conserva	tion Commission on will 1974
for permission to dually complete its	(same as above)
Now, on this 24th day of April Director finds:	$_{-}$, 19 74 , the Secretary
Director linds:	
(1) That application has been duly fil	ed under the provisions of
Rule 112-A of the Commission's Rules and Regula	
(2) That satisfactory information has	been provided that all
operators of offset acreage have been duly noti	fied; and
(3) That no objections have been recei	ved within the waiting
period as prescribed by said rule.	and the second of the second o
(4) That the proposed dual completion	will not cause waste nor
impair correlative rights.	
(5) That the mechanics of the proposed	dual completion are
feasible and consonant with good conservation p	ractices.
IT IS THEREFORE ORDERED:	
That the applicant herein, (a	iame)
be and the same is hereby authorized to dually	complete its (same as above)
through	
parallel strings of tubing.	
You tubing and the casing tubing annulus respec	tively.
the caging-tubing annulus and the tubing respec	tively.
PROVIDED HOWEVER, That applicant shall	complete, operate, and
produce said well in accordance with the provis	ions of Rule 112-A.

Order No.	
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PROVIDED FURTHER, That applicant shall take packer-leakage tests upon completion and annually thereafter. derive the

Test Period for the

Pool.

IT IS CURTHER ORDERED: That jurisdiction of this cause is hereby 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

STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

A. L. PORTER, Jr., Secretary-Director

SEAL

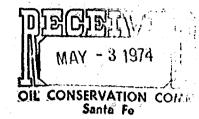
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El Paso Natural Gas Company

En 5244

El Paso, Texas 19999 April 30, 1974

The New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501



Gentlemen:

El Paso Natural Gas Company respectfully requests a hearing be set before the NMOCC or its designated examiner for May 22, 1974. This application is to seek approval of a dual completion in the Fruitland and Chacra formations in Unit Ketter G, Section 18, Township 29 North, Range 10 West, San Juan, County, New Mexico. The El Paso Hubbell No. 14 (FT-CH) Well was completed as a tubingless completion using two parallel strings of 2 7/8" O. D. casing.

Other operators that may be interested in this application are:

Petroleum Corporation of Texas P. O. Box 911 Breckenridge, Texas 76024

Schultz, Turner & Webb 1700 Mercantile Bank Bldg. Dallas, Texas 75201

Mobil Oil Corp. P. O. Box 633 Midland, Texas 79701

If there is any additional information you need, please call me.

Very truly yours,

E. R. Manning

Chief Proration Engineer

& R. Wanning

ERM:eh

DOCKET MAILED

NEW MEXICO OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO APPLICATION FOR MULTIPLE COMPLETION

2101

Form C-107 5-1-61

Constrator COM

El Paso Natural Gas Company Address PO Box 990, Farmington, NM 8740 Location of Well G 18 1. Has the New Mexico Oil Conservation Commission heret zones within one mile of the subject well? YES 2. If answer is yes, identify one such instance: Order No. 3. The following facts are submitted: Upper Zon a. Name of Pool and Formation Aztec Fruitle b. Top and Bottom of Pay Section (Perforations) c. Type of production (Oil or Gas) gas	ofore authorized NO	Re: NMOCC N	a well in these same Memo #18-58	We pools or in the same Lower
PO Box 990, Farmington, NM 8740 Location of Well G 18 1. Has the New Mexico Oil Conservation Commission heret zones within one mile of the subject well? YES 2. If answer is yes, identify one such instance: Order No. 3. The following facts are submitted: Upper Zon a. Name of Pool and Formation Aztec Fruitle b. Top and Bottom of Pay Section (Perforations) c. Type of production (Oil or Gas) gas	Township ofore authorized of NO	Hubbell 29N the multiple completion of Re: NMOCC N , Operator Lease, an	Well No. Range 16 I a well in these same Memo #18-58 I Well No.:)W e pools or in the same Lower Zone
. Has the New Mexico Oil Conservation Commission heret zones within one mile of the subject well? YES If answer is yes, identify one such instance: Order No. . The following facts are submitted: . The following facts are submitted: . Upper Zon a. Name of Pool and Formation b. Top and Bottom of Pay Section (Perforations) c. Type of production (Oil or Gas) gas	ofore authorized NO	29N the multiple completion of Re: NMOCC N , Operator Lease, an	Range 1(i a well in these same Memo #18-58 ad Well No.:	We pools or in the same Lower Zone
Has the New Mexico Oil Conservation Commission heret zones within one mile of the subject well? YES If answer is yes, identify one such instance: Order No. The following facts are submitted: Upper Zon a. Name of Pool and Formation b. Top and Bottom of Pay Section (Perforations) c. Type of production (Oil or Gas) 988	ofore authorized NO	the multiple completion of Re: NMOCC N	is well in these same Memo #18-58 ad Well No.:	e pools or in the same Lower Zone
zones within one mile of the subject well? YES	NO	Re: NMOCC N ; Operator Lease, ar Intermediate	Memo #18-58	Lower Zone
The following facts are submitted: Upper Zon a. Name of Pool and Formation b. Top and Bottom of Pay Section (Perforations) c. Type of production (Oil or Gas) gas	e e	; Operator Lease, ar	d Well No.:	Zone
The following facts are submitted: Zon a. Name of Pool and Formation b. Top and Bottom of Pay Section (Perforations) c. Type of production (Oil or Gas) gas	er e	Intermediate		Zone
a. Name of Pool and Formation b. Top and Bottom of Pay Section (Perforations) c. Type of production (Oil or Gas) Zon Aztec Fruitle 1605-1920' 288	e		Undes.	Zone
b. Top and Bottom of Pay Section (Perforations) c. Type of production (Oil or Gas) gas	and Ext.		Undes.	
b. Top and Bottom of Pay Section (Perforations) c. Type of production (Oil or Gas) gas		<i>*</i>		Chacra
(Perforations) 1605-1920' c. Type of production (Oil or Gas) gas			}	
	- I	er en	2920-30	70'
			gas	
d. Method of Production				
(Flowing or Attificial Lift) flow			flow	
The following are attached, (Please check YES or NO)				
d. Electrical log of the well or other accedicated thereon. (If such log is not avail.) List all offset operators to the lease on which this well	application. ptable log with to able at the time a is located togeth	ops and bottoms of produ application is filed it sha her with their correct mail	cing zones and inter Il be submitted as pro- ing address.	vals of perforation i
Petroleum Corporation of Texas, Po) BOX 911, BI	eckenriage, 12 /	0024	
the second production of the second s	<u> </u>			
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*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Gil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in One or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

Plat Showing Location of Intended Dual Completion (Tubingless) El Paso Natural Gas Company Hubbell #14 (Ft-Ch) Well and Offset Acreage

R-10-W **EPNG** El Paso Natural Gas Co. Sec. 7 Sec. 8 Petroleum Corp. of Texas El Paso Nitural Gas Co. **EPNG** Section 18 T. 29 1453' #14 (Ft-Ch) N Sec. 17 **%**#9 Hanley Hubbell

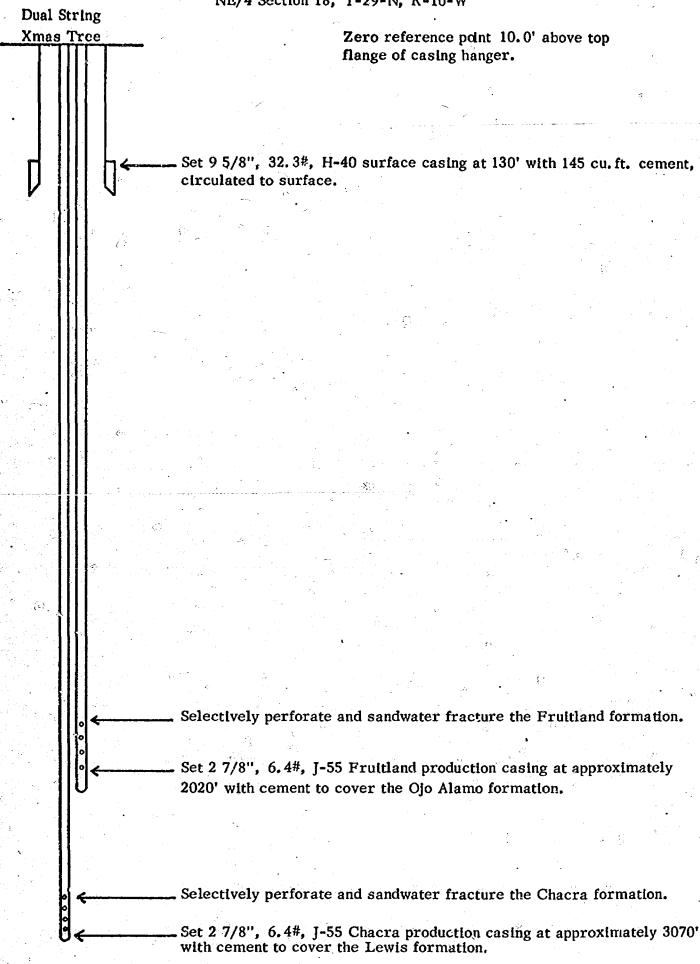
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PRT.		DATE	то	w.o.	DESIGN			DWG.	and the second s	REV
	سكاله التوسيس	PR	NT RECORD	***********	w.o.		SCALE:	NO.		

Form 7-132R (Rev. 5-73)

Schematic Diagram of Intended Duai Completion (Tubingless)

Bl Paso Natural Gas Company Hubbell #14 (Ft-Ch)

NE/4 Section 18, T-29-N, R-10-W



NEW MEXICO OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO . APPLICATION FOR MULTIPLE COMPLETION

Form C-107

Comparison Com					CILC	ONSTRIVATION COMM	
El Paso Natural Gas Comp any PO Box 990, Farmington, NM 8740 Hubbel 14	Operator		County	·	Date	Scota fo	
PO Box 990, Farmington, NM 87401 Lecuison Ordit Section Section Toronship Hubbell Finnes 14 Lecuison Ordit Section Toronship Hubbell Finnes 10W Lecuison Ordit Section Toronship 10W Lecuison Ordit 10W 10W Lecuison Ordit 10W 10W Lecuison Ordit 10W 10W Lecuison Ordit 10W Lecuison	El Paso Natural Gas	Comp any		San Juan			
Lescotted Valid C Section Township 29N Range 10W	Address	, <u>, , , , , , , , , , , , , , , , , , </u>	Lease				
Lescotted Valid C Section Township 29N Range 10W	PO Box 990, Farmin	gton, NM 87401		Hubbell		14	
1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES NO Re: NMOCC Mermo #18-58 2. If answer is yes, identify one such instance; Order No. 1 Operator Lease, and Well No.	Location Unit	ction	Township		Range		
2. If answer is yes, identify one such instance; Order No	of Well G	18		29N		10W	
2. If answer is yes, identify one such instance; Order No. ; Operator Lease, and well No.: 3. The following facts are submitted: 200c 2	1. Has the New Mexico Oil Conservation	on Commission heretofore	e authorized	the multiple completion o	f a well in	n these same pools or in the same	
2. If answer is yes, identify one such instance; Order No. ; Operator Lease, and well No.: 3. The following facts are submitted: 200c 2	zones within one mile of the subject	well? YES	NO	Re: NMOCC I	Memo#	18-58	
Some Zone	2. If answer is yes, identify one such i	instance: Order No		; Operator Lease, a	nd Well No	0.1	
Some Zone							
Some Zone							
a. Name of Peol and Formation b. Top and Bottom of Paly Section (Perforations) c. Type of production (Oil or Gas) d. Method of Production (Plewing or Artificial Lit) flow flow flow a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, central izers and/or turbulizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of practers and side door chocks, and such that lorantial on an any be pertinent.	3. The following facts are submitted:				· .		
b. Top and Bottom of Poly Section (Perforations) c. Type of production (Oll or Gas) d. Method of Production (Flowing or Artificial Lift) flow 4. The following are attracked, (Please check YES or NO) Yes No. a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizes and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depths, location and type of packers and side door chokes, and such other information as may be pertinent.			1	Zone		·	
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c. Type of production (Oil or Gas) d. Method of Production (Flowing are attached. (Plyase check YES or NO) **Yes No		1605-1920'	1			2920-3070'	
d. Nethod of Production (Flowing or Artificial Lift) flow 4. The following are attrached, (Please check YES or NO) Yes No a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, location and type of packets and side oot orchocks, and other information as may be pertinent. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depth, location and type of packets and side oot orchocks, and other information as may be pertinent. Diagrammatic Sketch of the Multiple Completion of all vells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases of sletting applicant's lease. Diagrammatic Sketch of the Multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators between furnished copies of the application; or in lieu thereof, evidence that said offset operators between furnished copies of the application is filed it shall be submitted as provided by Rule 112-A.) State of such notification			-	<u>-</u>		2720-0070	
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5. List all offset operators to the lease on which this well is located together with their correct mailing address. Petroleum Corporation of Texas, PO Box 911, Breckenridge, TX 76024 6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO if answer is yes, give date of such notificationApril 3, 1974 CERTIFICATE: I, the undersigned, state that I am the	dicated thereon. (If	such log is not available	at the time	application is filed it sha	ill be subr	nitted as provided by Rule 112-A.)	
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Plat Showing Location of Intended Dual Completion (Tubingless) El Paso Natural Gas Company Hubbell #14 (Ft-Ch) Well and Offset Acreage

R-10-W EPNG El Paso Natural Gas Co. Sec. 7 Sec. 8 Petroleum Corp. of Texas 3 El Paso Nutural Gas Co. **EPNG** Section 18 T 29 1453' #14 (Ft-Ch) N Sec. 17

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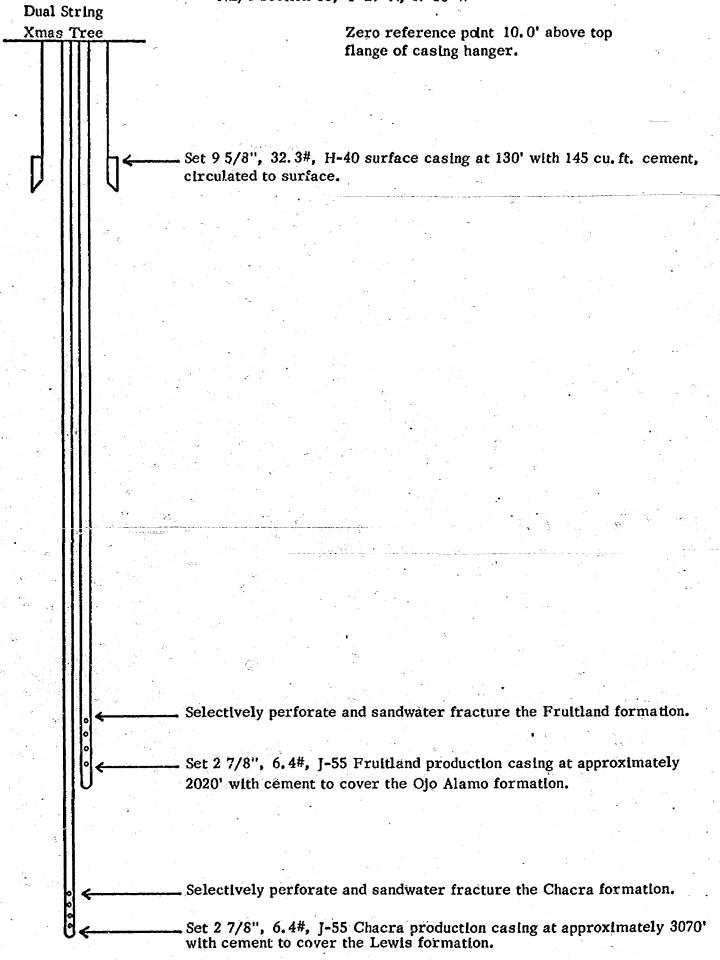
Hubbell

Hanley

Schematic Diagram of Intended Dual Completion (Tubingless)

El Paso Natural Gas Company Hubbell #14 (Ft-Ch)

NE/4 Section 18, T-29-N, R-10-W



jr/



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: Two

R. J.

Jour

CASE No. 5244

Order No. R- 4804

APPLICATION OF EL PASO NATURAL GAS COMPANY FOR A DUAL COMPLETION, SAN JUAN COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on May 22, 19674, at Santa Fe, New Mexico, before Examiner Richard L. Stamets

NOW, on this ____day of __May ___, 19674, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, 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.

	(3)	That	the	mechani	cs of	the	proposed	dual	_ completion
are	feasib	le and	d in	accord	with	poor	conservat	tion pract	ices.

	(4)	That approval	of the	subject	application	will	prevent
				1 d to 1		-	4 - 1 - 2 - 1 - 1
waste	and	protect correla	ative r	ights.	en e		ing Linguis de la companya de la company

IT IS THEREFORE ORDERED:

(1)	That the app	olicant,	El Paso Nat	ural Gas (Company
is hereby a	authorized to	o complete i	ts Hubb	ell	
Well No	14 , located	d in Unit	G of Sec	tion <u>18</u>	, Township
29 Rades Norti	Range 10	BANK NMI	M, San Jua	n County	r, New
	a dual		(tubing)	kikox) to	axx produce gas
from the	Aztec-Fruit	land	Pool www	xxxxxx and	1-from an
und	lesignated Ch	acra-gas po	ol through	parallel s	strings of
2 7	//8-inch casi	ng cemented	in a commo	n wellbor	e
1					

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 insofar as said rule is not inconsistent with this order;

zone segregation

PROVIDED FURTHER, that the applicant shall take packer-leakage

tests upon completion and annually thereafter, during the Annual

CASACTIVATED Portod for the Aztoc-Erwithand

PoolDeliverability

(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.