Case Number 4797

Application
Trascripts

Small Exhibits

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BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION CONFERENCE HALL, STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO AUGUST 9, 1972

EXAMINER HEARING

IN THE MATTER OF:

Application of Michael P. Grace II and Corinne Grace for a dual completion, Eddy County, New Mexico.

CASE NO. 4797

BOFORE: Daniel S. Nutter

Examiner

TRANSCRIPT OF HEARING

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SIMMS BLDG. + P.O. BOX 1002 + PHONE 243-6691 • ALBUQUERQUE, NEW MEXICO 87108 12:0 FIRST NATIONAL BARK BLDG. EAST • ALBUQUERQUE, NEW MEXICO 87108

MR. NUTTER: The meeting will now come to Call Case 4797.

MR. HATCH: Case 4797: Application of Michael order. P. Brace II and Corinne Grace for a dual completion, Eddy County, New Mexico.

Burr and MR. COOLEY: William J. Booley, of Farmington, New Mexico, appearing on behalf cooley, of the Applicant.

We have one witness we'd like to have sworn.

RICHARD STEINHORST,

appeared as a witness and, having been duly sworn according to law, testified as follows:

DIRECT EXAMINATION

BY MR. COOLEY:

- Would you state your full name for the record, please, Q and the spelling thereof?
- Richard Steinhorst, and that is, S-t-e-i-n-h-o-r-s-t. A
- Mr. Steinhorst, how are you employed?
- I am employed by the Graces as consultant and petroleum Q Α engineer.
- In particular, has Mr. Grace retained you with respect to the dual completion of the Humble-Grace Number 1 Q Well in Section 2, Township 23 South, Range 26 East, in Eddy County, New Mexico?

:	-	A They have.
<u>.</u>	1	testified before
service.	2	Q Have you previously testers and are your qualifications a matter of record here?
S S	3	and are your qualification
dearnley, meier & mc cormick repositions	4	A I have. MR. COOLEY: Mr. Examiner, are the witness'
9	6	qualifications acceptable?
ن بن		ves, he's quality
orm	7	Now Mr. Steinhorst, have it
<u>ည</u>	8	landion plat Showing
8. III	9	Crace Well and Offset 200
ier.	10	n a was prepared by
me	11	A Well, I have. This was put Engineering Company, who is a recognized engineer in
ey,	12	Engineering Company, who is
arn	7103	Hobbs.
de	00148 o	At your request?
	* × ₩ ₩ 7 ¥	• Links
	3 7	and the one that has been marked Exhibit
	BUQUER JUERQUE	the one you refer to now?
	E 243-6691*AL EAST•ALBUQ	17 Yes. Evaminer what you
	243-6	18 A Yes. Would you please explain to the Examiner what you
	G. 1.0. BOX 1082. PHONE	19 h hore?
	1002 • I	20 shows the locations
	Z B C X P C X	Well, Unit 1 merely shows and the operators wells regarding the various sections and the operators
	0 · c · 4 z	22 \ address.
	SIMMS BLDG	and the operators adda
	2 6 1 G 1	Now, is this number of sormation?
	9 9 11	completed in any lorman
		25

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the dual completion that the first intended to In conjunction with this work, it is intended to dually complete the well. Have you prepared diagramatic sketches of two different types of completion that might possibly be used in connection with this dual completion? I have. I hand you what has been marked as Exhibits 2 and 3 I hand you what has been marked as Exhibits 2 and 3 and ask you if those are the diagramatic sketches to and ask you if those are the diagramatic sketches to

dearnley, meier & mc cormick entered service service	12 12 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16	Would you please explain Exhibit 2 for us? Well, Exhibit 2 is a diagramatic sketch of the well as it was completed and shows the well would be then dually completed as the tubing annular dual, the tubing side being Morrow and the annular side being Strawn. What cementing practices and other completion methods would be utilized in connection with that? Well, first thing that would be done would be to determine whether or not there is an actual leak in the casing. Well, assuming that the Morrow remedial work has been completed and you are now in the process of performing your dual completion? Well, in this particular instance, the cementing jobs, as performed in completion of the well and as shown on the illustration, should be adequate to protect and separate the zon Therefore, we would have no particular cementing technique in this dual completion What type of Packer installation would be made in the tubing annular type of dual completion? We were recommending and probably it will be a permanent type Packer to seal off the Morrow from the
	21 0.9 0.1 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	A We were recommending and probably it will be a permanent type Packer to seal off the Morrow from the
	24 25 25	Strawn. Q And, in your opinion, would this be the more desirable.

ن 1	and most effective Packer mechanism to assure
් වූ	separation of the zones?
dearnley, meier & mc cormick reasonable Servite service strong	Calling your attention, then, to Exhibit 3, would describe to the Examiner what you intend to portray here well, the intent here is to show a two tubing string dual in which two Packers are used and a Packer between the Morrow and the Strawn. And a Packer would be above the Strawn to shut off the casing annulus. What type of Packers would you install in this particular section? As before, we would recommend a permanent type Packer in the 4 and 1/2 liner and probably a Packer Model K as the dual Packer in the 7 inch. In your opinion, would these two Packer installations
깊 없	zones in a twin tubing type complete.
249-6601 * ALBUD EAST * ALBUDUEF	hore?
P.O. BOX 1002 PHONE	A It would be. Am I correct that at this time you are asking the Commission to permit you to utilize either of the two proposed mechanical methods as are described
SIMMS BLDG	on Exhibits 2 and 3? This is correct.
MIS 800	24 A This is correct. Now, in the event that you encounter any substantial
c4	Now, in the event that

•	1		amount of fluid production out of either zone, what
! ,	2		type of installation would you propose to be used in this
	3		action?
	4	4	I would suggest the dual tubing string rather than
	5		the tubing and dual.
	6	Q	And prior to installation of either of these proposed
	7		mechanical methods of dual completion, would it be
	8		your suggestion to notify the Commission by telegram
	9		or otherwise of which of the two methods is to be
	10		utilized?
	11	A	Right. This is correct.
	12	Q	Is there any decision as to which of the two methods
8710 8	13		to utilize, in some parts determined by the uncertainty
	14		as to what you will find with respect to the Morrow
	15		formation?
EROUE	16	A	That is correct. In your opinion, will either of the installations you
5 243-66910 ALBU(EAST • ALBUQUE)	17	Q	In your opinion, will obtain have proposed here prevent waste and protect correlat:
EAST • A	18	l	rights of the correlative operators in the area?
X 1092 PHONE 2. BANK BLCS. E.	19		Properly executed, they would.
X 1092	20	A	And you would propose to perform all of the tests
OG P.O. BOX	21	Q	subsequent to dual completion to prove separation,
S BLDG.	22		would you not?
SIMA 1216	23	j ,	Right, correct.
0000	24 25		MR. COOLEY: Mr. Examiner, I have no further
	23	, 1	

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X 1002 + PHONE 248,6691 + ALBUQUERGUE, BANK BLOG, EAST + ALBUQUERQUE, NEX BLDG. . P.O. BOX RST NA TIONAL B questions and I offer into evidence Exhibits 1, 2 and 3.

MR. NUTTER: Without objection, Exhibits 1, 2 and

3 will be entered into the record in this case.

(Whereupon, Applicant's Exhibits 1, 2 and 3 were marked and entered for identification.)

CROSS-EXAMINATION

BY MR. NUTTER:

- Q Mr. Steinhorst, obviously you are of the opinion that the Strawn might be productive in this well?
- A We have evidence that it should be, yes.
- Q Any DST?
- A There was a DST made and unfortunately I can't recall at what interval it was, but I do remember it made gas.
- Q Does the Strawn have considerable liquids in that formation in this area?
- I don't believe we can give you an exact answer to that. We do know that further north it does have, but it doesn't have too much water. It has quite a bit of condensate, but at this point I don't think we have enough tests to say that it is going to be like the rest of it. We expect it, yes.
- Q You are speaking of the Strawn north?

dearnley, meier & mc cormick reportant service, and

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200 SIMMS BLDG. # P.O. BOX 1092+PHONE 249-6601+ALBUQUERDUE. NEW MEXICO 67109	1213 FIRST NATIONAL BANK BLDG. EAST • ALBUQUERQUE, NEW MEXICO 87108

Q	What kind of a GOR liquid per billion would you
	consider to necessitate a shut tubing?
A	I believe it would not be so much the fluid or gas
	fluid shown as it would be the types of fluid. If
	its condensate which we would expect to have a reasonable
	amount, I don't believe this would enter into it. I
	think what we're more looking at is the possibility of

making some water production and continuing water

production would be more the criteria as to which way

you went because you are going to get some fluid in

Q Well, then if you just got liquid anticarbons, do you think that an annular would be all right?

the Strawn, at least we anticipate that.

A I think the annular would be okay.

MR. NUTTER: Are there any other questions of the witness?

CROSS-EXAMINATION

BY MR. PORTER:

- Q If it's condensate, it would be a liquid in the reservoir, wouldn't it?
- A It would not be, necessarily.
- Q Until you get to the surface?
 - A Until we got it back to, or at least somewhere up the hole.

	PAGE
	ressure and the temperature
1 Q	Where it's released by the pressure and the temperature
	and so forth? Right. In other words, normal condensate consideration.
3 A	ile in the azon
€ 4 Q	What about other Strawn Wells In the lieve you answered that question as to whether you I believe you answered that question.
5	
dearnley, meier & mc cormick	experienced water in the formation. experienced water in the formation. I think I'm not aware at this particular moment of
Tipe 7 A	
000	
8 9 √	particular amount of water. am familiar with does not make any water, but I have am familiar with does not make any water, but I have
10	am familiar with does not make any not heard of anybody in the field having any problems
E 11	with water in the Strawn zone.
9E 3	"PIONE NATIO
dearn service 13	Well, if you did have problems well, if you did have problems and probability you would go potential is there, in all probability you would go
NO 14	into the two strings?
15 \ 2 z	i e e e e e e e e e e e e e e e e e e e
D & D & D	A Right, two strings. As a matter of fact, Mr. Antweil right now is As a matter of fact, Mr. Antweil right now is
17 18 18	-omothing vo-1
2 × × × × × × × × × × × × × × × × × × ×	in the process of doing somether, and he's running a string to keep liquids unloading.
PHONE 248	Q Right.
20 V 20 V	But I can't see this being a string A But I can't see this being a string And I think he
a . o .	unloaded, but rather to keep "" unloaded, but rather to keep "
214 121 24 25. 4	would have the same problem here, think he would be better off to put a Packer in there
914115 2 24	think he would be better our so he could better control what he is doing.
گِر 25	go he could better control

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		that was your
1	Q	As to the Morrow formation there, about what was your
2	Q	tion at the time this well quit?
3		well, I think I told Mr. Utz this over the phone. It
4	A	was flowing at the rate of 1,700,000.
5	Ω	per day?
6	A	per day.
7	Q	Did it quit overnight?
8	A	No, it didn't quit overnight. It had been flowing No, it didn't quit overnight. It had been flowing
9	•	No, it didn't quit overnage this rate very steadily and about 10:00 o'clock Friday this rate very steadily and about like somebody had
1	0	evening it started declining, just like somebody had
1	.1	evening it started decimally. And about 8:00 o'clock started pinching the valve down. And about 8:00 o'clock
1	12	started pinching the value started pinching the
•	13	somebody had closed the choke down maybe, and then from
	14	there on it went back down and by 9:00 o'clock Monday
i	15	morning, that's 9:10, the well was dead.
,	16	morning, that s years of the area than the
5	17	Q Do you think that one other area than the entering the wellbore from some other area than the
7 • AL	18	formation? There's not
G. EAS	19	Nell, I can't positively say there. There's not
2 X B C C	20	A Well, I can't positively by formation water, but it's my opinion that a well of the standard of the standard that a well of the standard th
AE JAI	21	formation water, but let you formation water, but let you apacity to type and a well that has demonstrated this capacity to type and a well that has in the past, doesn't just disproduce as this well has in the past, doesn't just disproduce as this well has in the past, doesn't just disproduce as this well has in the past, doesn't just disproduce as this well has in the past, doesn't just disproduce as this well has in the past, doesn't just disproduce as this well has in the past, doesn't just disproduce as this well has in the past, doesn't just disproduce as this well has in the past, doesn't just disproduce as this well has in the past, doesn't just disproduce as this well has in the past, doesn't just disproduce as this well has in the past, doesn't just disproduce as this well has in the past, doesn't just disproduce as this well has in the past, doesn't just disproduce as this well has in the past, doesn't just disproduce as this well has in the past, doesn't just disproduce as this well has in the past, doesn't just disproduce as this well has in the past, doesn't just disproduce as the past disproduce
SIMMS BLOG. PLOT DONE BLOG. EAST-ALBOG.	22	produce as this well has in the part of wat overnight. I mean, you would get a little bit of wat
is BLDC	23	overnight. I mean, you would go and a little bit more water and a bit more for about
200 SIMM 1216	24	and a little bit more water did two or three weeks. But to have it happen just like
64	2	two or three weeks. But to Mar

dearmey, meier & mc cormick and any service ...

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that, you might say, relatively speaking, I feel like that it has to be extraneous.

- Yes, sir. Well, I was just asking these questions out of curiosity because of the behavior of the well.
- Right. Well, there's been quite a controversy over this thing and this has been my opinion from day one. I haven't changed it yet.

MR. PORTER: That's all I have.

MR. NUTTER: Are there any other questions?

REDIRECT EXAMINATION

BY MR. COOLEY:

- Mr. Steinhorst, is it true that the well produced mud after the water started coming in?
 - Yes, we had some. In other words, we've got something besides just plain salt water. Unfortunately, we didn't take a sample of it, but I was there when it kicked out on the ground and in the presence of two or three of us standing there, it was mud. And this is another convincing factor. Now, whether it's coming in from the perforations or not, I cannot say. But we did see some material fluids coming out of the well that were not salt water.
- Well, you've got problems either way, but I certainly Q hope that you find that it is not the formation.

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SIMMS BLDG. B O. BOX 1002 FFHONE 243-6601-ALBUQUERQUE, NEW MEXICO : 1216 FIRST NATIONAL BANK BLDG. E .ST-ALBUQUERQUE, NEW MEXICO 67108

I do too. I hope I'm right. MR. NUTTER: Are there any other questions? MR. COOLEY: No further questions. The witness may be excused. MR. NUTTER: (Witness excused.) MR. NUTTER: Are there any statements in the Case?

MR. COOLEY: Yes, Mr. Examiner. If, opinion of the Commission, the Application here for the tubing annular type of completion is unwise, we would then press for permission to complete as a twin tubing type of dual completion. We would like to have the option, if the one type of completion is undesirable, then we would like to complete with and proceed with the other type completion.

MR. PORTER: A point of clarification. Mr. Cooley, you would like for the order to give you the option in the order itself, rather than just writing it for either one or the other?

MR. COOLEY: We would like to have the option to complete in either manner that is here described.

MR. PORTER: Depending on the condition you find?

MR. COOLEY: Yes, sir.

MR. PORTER: Thank you.

MR. NUTTER: Okay, the Case will be taken under

advisement. 25

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STATE OF NEW MEXICO SS COUNTY OF BERNALILLO

I, JOHN DE LA ROSA, a Court Reporter in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me; and that the same is a true and correct record of the said proceedings to the best of my knowledge, skill and ability.

COURT REPORTER

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11	Michael P. Grace II		ļ
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OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO P. O. BOX 2068 - SANTA FE 87501

August 29, 1972

GOVERNOR BRUCE KING CHAIRMAN

LAND COMMISSIONER ALEX J. ARMIJO MEMBER

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

	Re: Case No.	Case No	4797	
Mr. Jack Cooley		order No	R-4376	
Burr & Cooley		Applicant:		
Attorneys at Law 152 Petroleum Center Building Farmington, New Mexico 87401		Michael P. & Corinne Gra		

Dear Sir:

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

very truly yours, A. L. PORTER, Jr. Secretary-Director

ALP/ir copy of order also sent to: Hobbs OCC x Artesia OCC X Aztec OCC Other____

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. 4797 Order No. R-4376

APPLICATION OF MICHAEL P. GRACE II AND CORINNE GRACE FOR A DUAL COMPLE-TION, EDDY COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on August 9, 1972, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 28th day of August, 1972, 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 applicants, Michael P. Grace II and Corinne Grace, seek authority to complete their Humble-Grace Well No. 1, located 990 feet from the South line and 660 feet from the East line of Section 2, Township 23 South, Range 26 East, NMPM, Eddy County, New Mexico, as a dual completion (conventional) to produce gas from the South Carlsbad Strawn and Morrow Gas Pools through parallel strings of 2 3/8-inch tubing with separation of zones by a packer set at approximately 11,230 feet, or to produce gas from the Morrow formation through 2 3/8-inch tubing and gas from the Strawn formation through the casing-tubing annulus with separation of zones by a packer set at approximately 11,230 feet.
- (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.

-2-CASE NO. 4797 Order No. R-4376

IT IS THEREFORE ORDERED:

(1) That the applicants, Michael P. Grace II and Corinne Grace, are hereby authorized to complete their Humble-Grace Well No. 1, located 990 feet from the South line and 660 feet from the East line of Section 2, Township 23 South, Range 26 East, NMPM, Eddy County, New Mexico, as a dual completion (conventional) to produce gas from the South Carlsbad Strawn and Morrow Gas Pools through parallel strings of 2 3/8-inch tubing with separation of zones by a packer set at approximately 11,110 feet or to produce gas from the Morrow formation through 2 3/8-inch tubing and gas from the Strawn formation through the casing-tubing annulus with separation of zones by a packer set at approximately 11,230 feet;

PROVIDED HOWEVER, that the above-described dual completion utilizing one string of tubing and the casing-tubing annulus shall be resorted to only if there is no danger of the Strawn zone being logged-off by liquids.

PROVIDED FURTHER, 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 packer-leakage tests upon completion and annually thereafter during the Annual Shut-in Pressure Test Period for the South Carlsbad-Morrow Gas Pool.

(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 QIL_CONSERVATION COMMISSION

X/ (/)

BRUCE KING, Chairman

ALEX J. ARMIJO, Member

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

SEAL

(yese 4797 Land 8-9-72 Second Corenno & Hickard France. primission & Duret their Helmble Shove #1, 990/5+660/E, 2-23-26. Sunt permission to dual residual retuings of 7% Hydril who packer above the low the Atlanto of the atternate of packer Shelween the Sleaven & Horrow. The laterale beered only in the event the Sur-lequish rates is love en ough to prevent. liquid logging & the Steam Show.

DOCKET: EXAMINER HEARING - WEDNESDAY - AUGUST 9, 1972

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

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

- CASE 4785: Application of Gulf Oil Corporation for rededication of acreage and a non-standard proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the consolidation of a 40-acre non-standard proration unit comprising the SE/4 NW/4 of Section 28 and an 80-acre non-standard proration unit comprising the W/2 NE/4 of Section 28; Township 21 South, Range 37 East, Blinebry Gas Pool, Lea County, New Mexico, to form a 120-acre non-standard proration unit. Applicant also seeks permission to produce the allowable assigned to said 120-acre unit from its Eunice King Wells Nos. 5 and 9 located, respectively, in Units F and G of said Section 28 in any proportion.
- CASE 4786: Application of Highland Production Company for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Delaware formation in the open-hole interval from 4378 feet to 4418 feet in its Russell Federal Well No. 6 located in Unit K of Section 20, Town-ship 26 South, Range 32 East, East Mason-Delaware Pool, Lea County, New Mexico.
- CASE 4787: Application of Superior Oil Company for an unorthodox well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to drill a gas well to test the Morrow and other formations at an unorthodox location 660 feet from the North line and 990 feet from the West line of Section 5, Township 23 South, Range 27 East, South Carlsbad Field, Eddy County, New Mexico, with the N/2 of said Section 5 to be dedicated to the well.
- CASE 4788: Application of Murphy H. Baxter for an unorthodox well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to drill a producing well approximately in the center of the SW/4 of Section 18, Township 17 South, Range 33 East, Maljamar (Grayburg-San Andres) Pool, Lea County, New Mexico. Said well to be within the area of a waterflood project approved by Order No. R-2156.
- CASE 4789: Application of Fumble Oil & Refining Company for special pool rules, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks the promulgation of special rules for the Many Gates-Abo Pool, Chaves County, New Mexico, including provisions for 80-acre spacing units and wells to be located in the approximate center of the NE/4 or SW/4 of each quarter section.
- CASE 4790: Application of The Petroleum Corporation for special pool rules and a non-standard proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, sucks the promulgation of special pool rules

(Case 4790 continued from Page 1)

for the Dublin-Ellenburger Cas Pool, Lea County, New Mexico, including a provision for 640-acre spacing units. Applicant further seeks approval of a 480-acre non-standard unit in said pool comprising the S/2, S/2 of NE/4 and E/2 NW/4 of Section 12, Township 26 South, Range 37 East, to be dedicated to its Tenneco Federal Well No. 1 located in Unit N of said Section 12.

- CASE 4791: Application of Monsanto Company for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Burton Flat Deep Unit Area comprising 5,808 acres, more or less, of Federal, State, and Fee lands in Township 20 South, Range 28 East, and Township 21 South, Range 27 East, Eddy County, New Mexico.
- CASE 4792: Application of David Fasken for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Walker Draw Unit Area comprising 7,040 acres, more or less, of Federal, State, and Fee lands in Sections 8, 9, 10, 15, 16, 17, 20, 21, 22, 28, and 29, Township 23 South, Range 23 East, Eddy County, New Mexico.
- CASE 4793: Application of Tenneco Oil Company for a pressure maintenance project and unorthodox locations, McKinley County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a pressure maintenance project in the South Hospah-Lower Sand Pool by the injection of water and gas into the Lower Hospah formation through three wells located at orthodox and unorthodox locations in Section 12, Township 17 North, Range 9 West, McKinley County, New Mexico.

Applicant further seaks a procedure whereby additional injection wells and expansion of the project area may be approved without the necessity of notice and hearing.

CASE 4794: Application of Green & Michaelson Producing Company for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests from the surface of the ground down to and including the Devonian formation underlying the N/2 of Section 2, Township 19 South, Range 23 East, Eddy County, New Mexico, to be dedicated to a wildcat Devonian well to be drilled at a standard location in the NE/4 of said Section 2.

Also to be considered will be the costs of drilling said well, a charge for the risk involved, a provision for the allocation of actual operating costs, and the establishment of charges for supervision of said well.

CASE 4760: (Readvertised)

Application of Anadarko Production Company for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks to institute a waterflood project by the injection of water into the Examiner Hearing - Wednesday, August 9, 1972

(Case 4760 continued from Page 2)

Grayburg and Queen formations through its R. E. Cole Well No. 3 located in the SW/4 SW/4 of Section 16 and its E. W. Walden Well No. 6 located in the SE/4 SW/4 of Section 15, Township 22 South, Range 37 East, Penrose Skelly Pool, Lea County, New Mexico.

Applicant further seeks establishment of a procedure whereby the conversion of additional wells to injection may be approved without notice and hearing. In the absence of objection, an order will issue based upon evidence received in this case on July 12, 1972.

CASE 4795: (THIS CASE WILL BE CONTINUED TO AUGUST 16, 1972, AND WILL BE HEARD BY A QUORUM OF THE COMMISSION.)

> Application of Michael P. Grace II and Corinne Grace for pool contraction and creation of two new gas pools, Eddy County, New Mexico. Applicants, in the above-styled cause, seek the contraction of the horizontal limits of the South Carlsbad-Morrow Gas Pool, Eddy County, New Mexico by the deletion therefrom of the following:

> > TOWNSHIP 22 SOUTH, RANGE 26 EAST Section 25: S/2

> > TOWNSHIP 23 SOUTH, RANGE 26 EAST Section 2: All

Section 11: All

Applicants further seek the creation of two new pools for the production of gas from the Strawn and Morrow formations with the horizontal limits of each pool to comprise the following:

TOWNSHIP 22 SOUTH, RANGE 26 EAST

Section 24: All

Section 25: All

Section 35: All

Section 36: W/2

TOWNSHIP 23 SOUTH, RANGE 26 EAST

Section 2: All

Section 11: All

CASE 4796: (THIS CASE WILL 3E CONTINUED TO AUGUST 16, 1972, AND WILL BE HEARD BY A QUORUM OF THE COMMISSION.)

> Application of Michael P. Grace II and Corinne Grace for capacity allowable, Eddy County, New Mexico. Applicants, in the above-styled cause, seek an exception to the General Rules and Regulations governing the prorated gas pools of Southeast New Mexico, promulgated by Order No. R-1670, as amended, to produce their City of Carlsbad "COM"

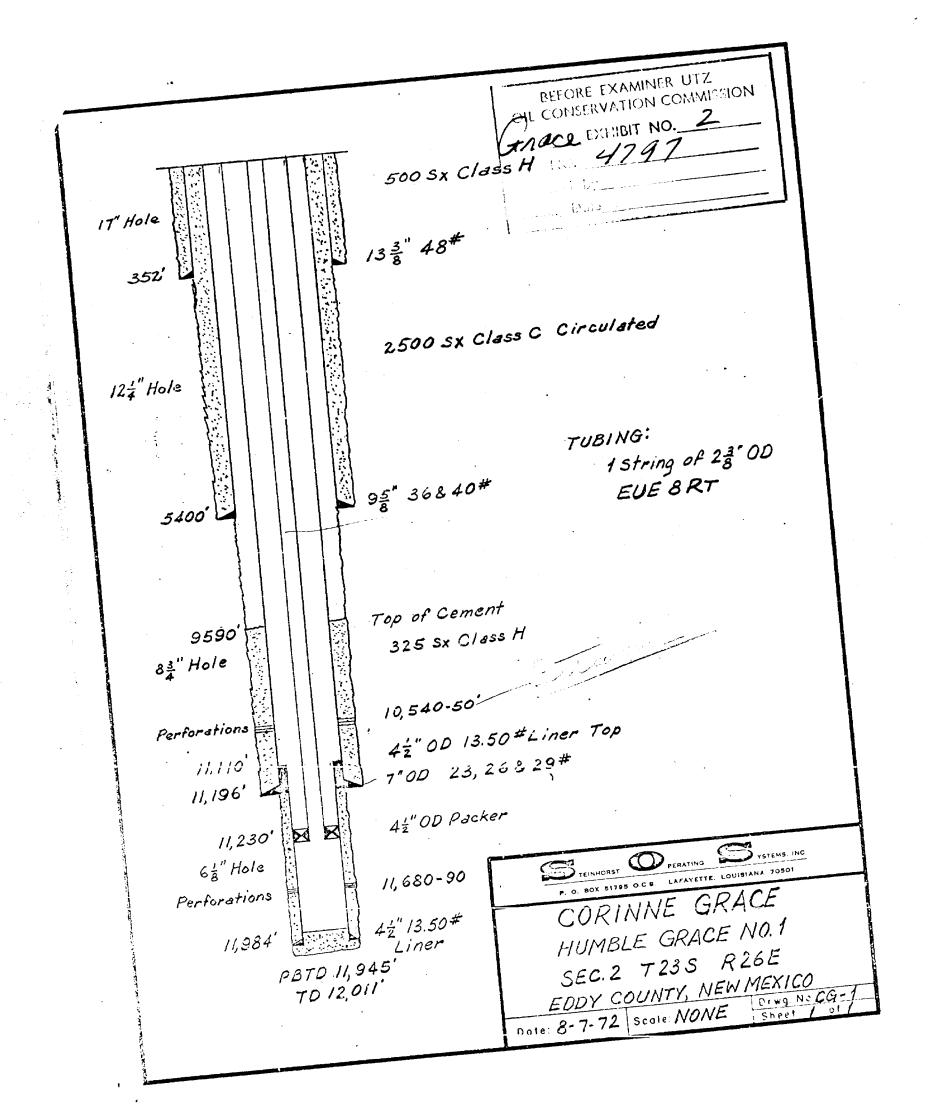
Examiner Hearing - Wednesday, August 9, 1972

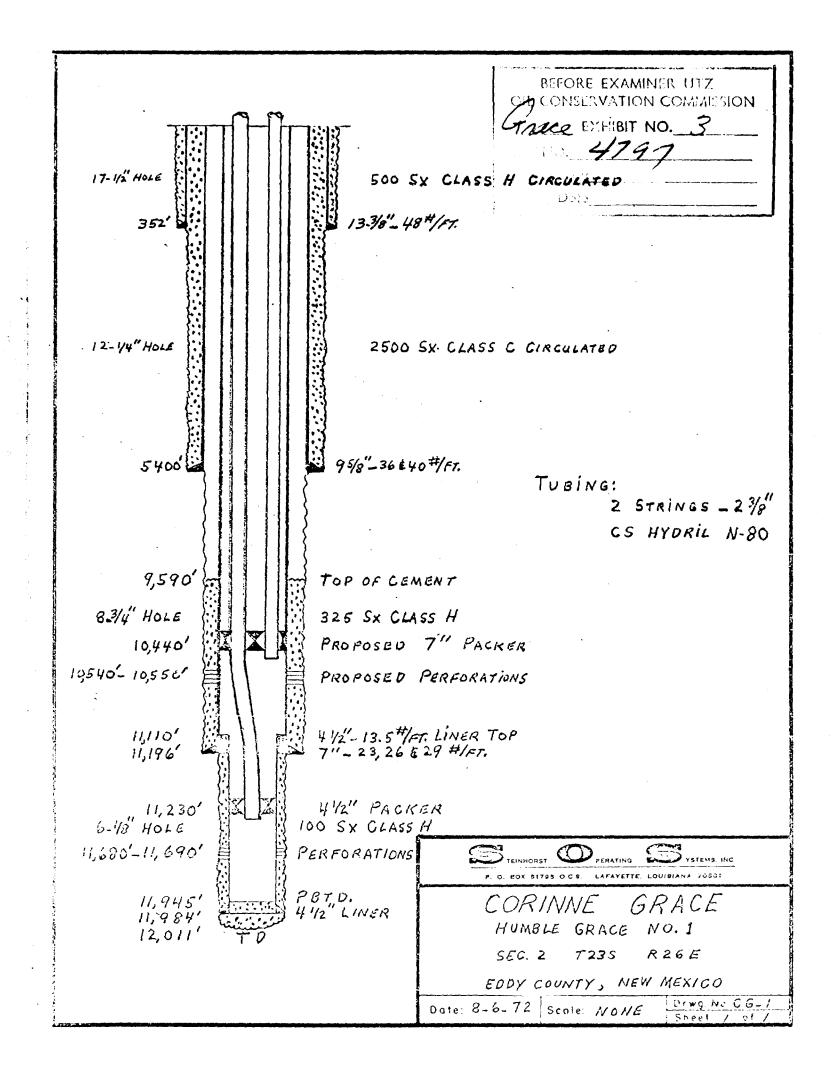
Docket No. 17-72

(Case 4796 continued from Page 3)

Well No. 1 located in Unit O of Section 25, Township 22 South, Range 26 East, South Carlsbad-Morrow Gas Pool, Eddy County, New Mexico, at full capacity.

CASE 4797: Application of Michael P. Grace II and Corinne Grace for a dual completion, Eddy County, New Mexico. Applicants, in the abovestyled cause, seek approval for the dual completion of their Humble-Grace Well No. 1 located 990 feet from the South line and 660 feet from the East line of Section 2, Township 23 South, Range 26 East, Eddy County, New Mexico, in such a manner as to produce gas from the Strawn and Morrow formations. Said well being presently designated as a South Carlsbad-Morrow gas well.





GMH/dr

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 FURPOSE OF CONSIDERING: CASE No. _ Order No. R-APPLICATION OF MICHAEL P. GRACE II AND CORINNE GRACE FOR A DUAL 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 August 9 , 1982 , at Santa Fe, New Mexico, before Examiner _day of _August__, 1962_, 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 (2) That the applicants Michael P. Grace II and Corinne Grace matter thereof. seeks authority to complete xxx their Humble-Grace Well No. 1 located in Unit of Section 2, Township South, Range 26 East, NMPM, Eddy County, New Wort XXXX (conventional) Mexico, as a <u>dual</u> completion (combination) to produce gas from the Strawn and Morrow formations of X HAY MANY MANY TRANSPORT parellel stringery 2 3/8- inst tubing with reporter, pardure gos from the morrow formate ich tubing and the goo from the

annulus, 71,230 Feet.

- (3) That the mechanics of the proposed <u>dual</u> 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:

IT IS THEREFORE ORDERED:
(1) That the applicants, Michael P. Grace II and Corinne Grace
hereby authorized to complete xxxx their Humble-Grace
990 feet from the South line and 660 feet from the East
Well No. 1 , located/in Whit Section 2 , Township line of
23 South, Range 26 East, NMPM, Eddy County, New
(conventional)
Mexico, as a _dual completion (combination) to produce gas
Louth Carlabed (tubingless)
from the Strawn and Morrow formations postxxxxxxxxx through
parallel strings of 2 3/8 inch tuling with
separationer zones by a porter set at appearantly
11,110 feet on to produce gos from the Marrow good
the the state of t
formation through 23/8-inch tuling and goe from the Atrain
prometica the and the Care to the
provided by Cosin tubic Consulus with effective over it, a pathw set at affective II, 230 feet: PROVIDED HOUSER, that the applicant shall complete, operate, full 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
Gas-Cil-Ratio Test Period for the South Calshad - May 2001 Pool. Deliverability
Provided that the above-described
tubing and the consing tubes armelless
shall be resorted to only if there is no
(Min) dongers of the Attendancy on him to 10 00 000
The state of the s

Humble Ground 72 - Lev. 2 - 235-26E Deal massaw strown - 5. Collshad - Poul -Unit P SE/ 990 FSZ 666 FEL