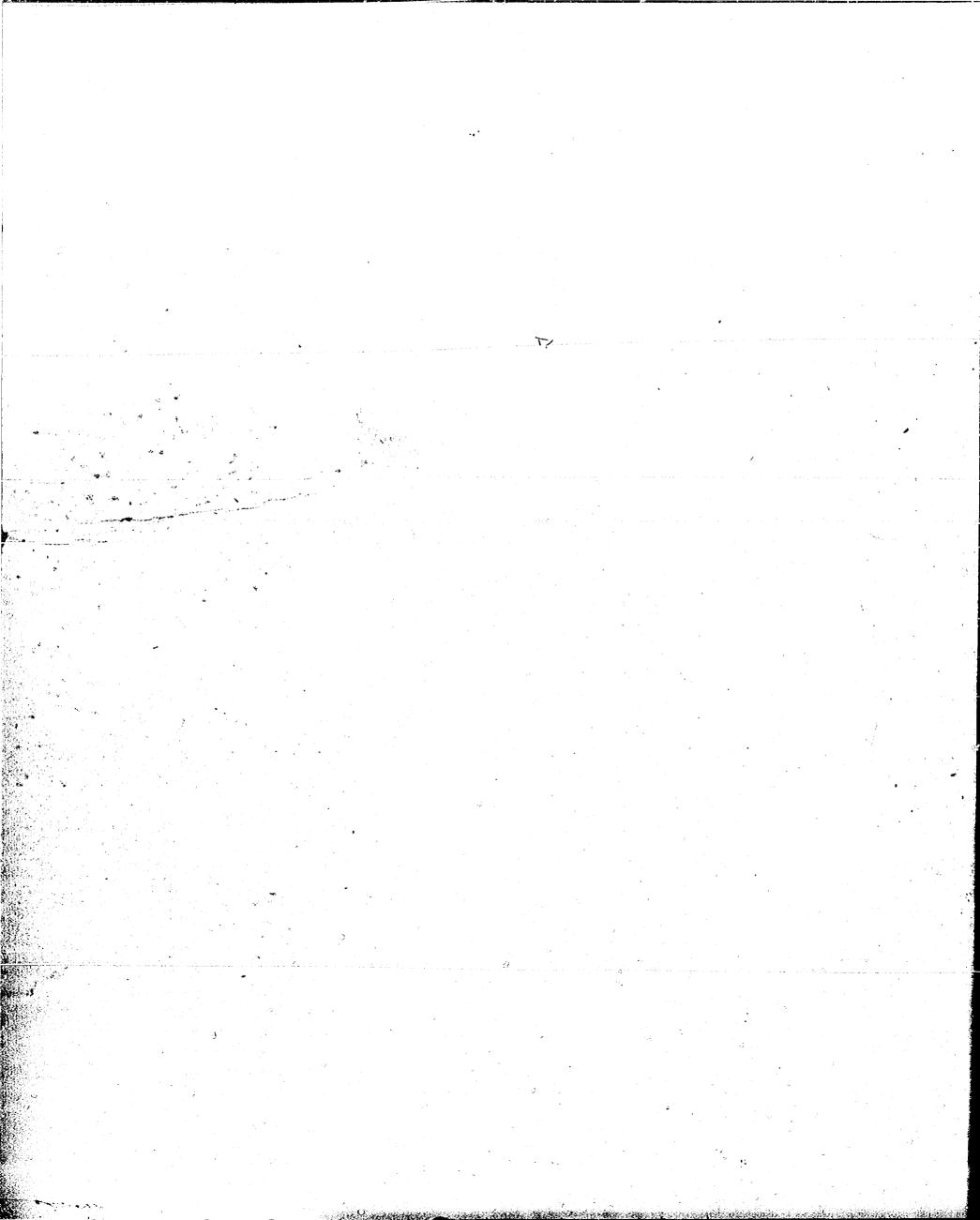
CASE 6293: CITIES SERVICE COMPANY FOR A DUAL COMPLETION, EDDY COUNTY, NEW MEXICO

CASE NO.

6293

APPlication, Transcripts, Small Exhibits,

ETC.



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For the Oil Conservation Division:

Lynn Teschendorf, Esq. Legal Counsel for the Division State Land Office Building

CASE

6293

For Cities Service Company:

w. Thomas Kellahin, Esq. KELLAHIN & FOX 500 Don Gaspar Santa Fe, New Mexico 87501

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INDEX

E. J. MOTTER

Direct Examination by Mr. Kellahin Cross Examination by Mr. Stamets

EXHIBITS

Applicant Exhibit One, Plat Applicant Exhibit Two, Schematic

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MR. STAMETS: Call next Case 6293.

MS. TESCHENDORF: Case 6293. Application of Cities Service Company for a dual completion, Eddy County, New Mexico.

MR. KELLAHIN: Tom Kellahin, Kellahin and Fox, appearing on behalf of the applicant, and I have one witness to be sworn.

MR. STAMETS: If you'll stand and be sworn, please.

(Witness sworn.)

E. F. MOTTER

being called as a witness and having been duly sworn upon his oath, testified as follows, to-wit:

DIRECT EXAMINATION

BY MR. KELLAHIN:

- Would you please state your name, by whom
 you're employed, and in what capacity?
- A E. F. Motter, M-O-T-T-E-R, Cities Service Company, engineering manager of the southwest region, located in Midland, Texas.
- Q. Mr. Motter, have you previously testified before the Division and had your qualifications as an expert petroleum engineer accepted and made a matter of record?

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May you made a study of and are you familiar With the facts surrounding this particular application? A. Yes, I am. MR. KELLAHIN: I tender the witness as an expert. MR. STAMETS: The witness is considered qualified. (Mr. Kellahin continuing.) Mr. Motter, would you refer to what we have marked as Exhibit Number One, identify it, and tell us what Cities Service is seeking to identify it, and tell us what cities Service is seeking to the location of our Polk "A" No. 1, which is located 2310 the location of our Polk "A" No. 1, which is located 2310 from the east line, 660 from the north line. We're seeking approval to dual complete this well as a gas-gas dual from the Morrow and Strawn formations. What acreage is going to be dedicated to the well? The north half of Section 17, 320 acres will	Page	
identify it, and tell us what accomplish? A. Yes. This is a plat indicating in Section 17 the location of our Polk "A" No. 1, which is located 2310 the location of our Polk "A" no. 1, which is located 2310 from the east line, 660 from the north line. We're seeking from the east line, 660 from the north line. We're seeking approval to dual complete this well as a gas-gas dual from approval to dual complete this well as a gas-gas dual from the Morrow and Strawn formations. What acreage is going to be dedicated to the	Yes, numerous times. Have you made a study of and are you family acts surrounding this particular application. Yes, I am. MR. KELLAHIN: I tender the witness as an arm. MR. STAMETS: The witness is considered (Mr. Kellahin continuing.) Mr. Motter,	quali- would one,
well?	y it, and tell us what it is a plat indicating in Sec. A. Yes. This is a plat in Sec. A. Yes. This is a plat in Se	ted 2310 re seeking dual from
be dedicated to the Polk well, and all this had viously filed with the Commission. viously filed with the Commission. Please refer to Exhibit Number Two and identify the please refer to Exhibit Number Two and identify A. This is our schematic of the dual completion in the comp	? A. The north half of Section 17, 320 a dedicated to the Polk well, and all this has dedicated with the Commission. Output Output Description Output D	cres will been pre-

LLY WALTON BOYD

FIED SHORTHAND REPORTER

S. Lodge Road - Prone (505) 988-3404

the Polk "A" No. 1, but before going into that in detail,

I might comment that we originally planned to drill this
well and test the Morrow. Our application to the Commission
indicated we'd use 5-1/2 casing to TD.

In the previous case there was reference to a Delta well which blew out about the time we got ready to --- were drilling this well, and we felt it necessary to change that casing program, so we did file and received permission to set 7-inch casing before we went into the Atoka formation and use a liner from there on down, and it proved a very wise thing to do. We had to go to elevated mud weights.

But anyway, this is our hookup. We are perforated in the Strawn from 11,152 to 11,158, and we're also perforated in the Morrow.

Now, we have tested the Morrow zone but this is the present completion from 12,076 to 80 and 12,144 to 50.

On top of the Morrow we have a Baker Lok-Set Packer set at 12,023. We have completed the Morrow with 2-3/8ths inch N-80 tubing, turndown collars, and the packer, the dual packer, then, is set at 10,563 and we have the Strawn tubing as 2-3/8ths N-80, turndown collars. These --- we do have a blast joint, of course, on the Morrow string off the Strawn perforations.

These zones were both tested and it's indicated there. The test rates — these were very short tests since we did not have a hookup to a sales gas line at the time. We had — or did run a bottom hole pressure on the Strawn while testing and we allowed it to be build-up for awhile and was 6863. We will run a bottom hole pressure soon on the Morrow.

Q Did you have any shut-in surface pressures on either zone?

A. Yes, just going into that. The -- after testing the zones, the surface pressures were as follows: The Morrow was 4100 at the surface; the Strawn, 5500, and the casing annulus was 500 pounds.

We did test those zones independent of each other and in both cases the pressure on the Morrow would stay at 4100 while pulling down the Strawn, and vice versa. When we were testing the Morrow the Strawn stayed at 5500. We did have some problems in getting a good seal. We had to pull the tubing out of the hole a couple times, but we feel well satisfied and we've tested it thoroughly, and this has all been filed with the Commission, and we do have adequate protection between both zones at this time.

I might further say that we made initial sale of gas to El Paso on this past Monday, 8-13-78, from the Strawn, and of course, we will start delivery from the

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
30 BISHOP'S LOGG ROAD - Phone (505) 988
Saria Eq. New Morico 87501

SAELY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
730 Bishop's Lodge Road - Phone (505) 988-34

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Morrow upon, hopefully, receiving approval from the Commission.

- Q Were Exhibits One and Two prepared by you directly or compiled under your direction and supervision?
 - A. Under my supervision.
- Q In your opinion, Mr. Motter, will approval of this application be in the best interests of conservation, the prevention of waste, and the protection of correlative rights?
 - A. Yes, I certainly do.
- In your opinion the packers used to segregate the Morrow and the Strawn zones are effectively will effectively protect communication between the two zones?
- A. I think we've already proved that, yes.

 MR. KELLAHIN: That concludes my examination of

 Mr. Motter. We tender our exhibits.

MR. STAMETS: These exhibits will be admitted.

CROSS EXAMINATION

BY MR. STAMETS:

- Mr. Motter, you indicated that you were glad you set this extra string of pipe. Is the 6800 pounds pressure that you encountered in the Strawn the excess pressure that you were referring to?
 - A. Yes. We originally had planned on drilling

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this down with normal mud we use in this area, about 10-1/2 pounds, and we had to go to 13 pounds mud to control the Strawn and we did drill for a little bit with back pressure on the surface. So we think it was a very wise move and it did give us protection of the upper zones, so we'd go to the heavier muds without any breakdown of formation.

Q. Well, I wish there was some kind of a medal or public display that we could give you on this. So many times we see the opposite. Operators cutting corners and not advising us that they are doing that. This is certainly refreshing to see somebody trying to do it right for a change, and I want you to know I personally appreciate it.

A. Well, thank you. I think that we ourselves are self-satisfied in that we would have had lots of problems had we tried to worry this thing on down, and probably saved a lot of money.

MR. STAMETS: Any other questions of the witness? He may be excused.

Anything further in this case? Take the case under advisement.

(Hearing concluded.)

Page _____9

REPORTER'S CERTIFICATE

I, SALLY WALTON BOYD, a Court Reporter, DO HEREBY

CERTIFY that the foregoing and attached Transcript of

Hearing before the Oil Conservation Division was reported

by me; that the said transcript is a full, true, and correct

record of the hearing, prepared by me to the best of my

ability, knowledge, and skill, from my notes taken at the

time of the hearing.

Sally Walton Boyd, C.S.R.

a complete record of the proceedings in the Examinor hearing of Case No. 6293 heard by me on 1978

New Mexico Oil Conservation Commission



STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

JERRY APODACA

NICK FRANKUN SECRETARY August 25, 1978

POST OFFICE BOX 2068 BTATE LAND OFFICE BUILDING BANTA FE, NEW MEXICO 87501 (505) 827-2434

•	GR CE NO 6293
Re:	ORDER NO. R-5/8/
Mr. Tom Kellahin	ORDER NO.
Kellahin & Fox	
Attorneys at Law	and I made
Post Office Box 1769	Applicant:
Santa Fe, New Mexico	
·	Cities Service Company
Dear Sir:	*
Dear Dir.	and meteronged
Englosed herewith are two	copies of the above-referenced tered in the subject case.
Division order recently en	tered in the subject case.
DTATOTON OFFICE A	
Yours very truly,	
LIM 16	
THE STERMY	
JOE D. RAMEY	
Director	·
Director	
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STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

> CASE NO. 6293 Order No. R-5787

APPLICATION OF CITIES SERVICE COMPANY FOR A DUAL COMPLETION, EDDY COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 o'clock a.m. on August 16, 1978, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 25th day of August, 1978, the Division Director, 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 Division has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Cities Service Company, seeks authority to complete its Polk "A" Well No. 1, located in Unit B of Section 17, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico, as a dual completion (conventional) to produce gas from the Strawn and Morrow formations through parallel strings of tubing.
- (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, Cities Service Company, is

-2-Care No. 6293 Order No. R-5787

hereby authorized to complete its Polk "A" Well No. 1, located in Unit B of Section 17, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico, as a dual completion (conventional) to produce gas from the Strawn and Morrow formations through parallel strings of 2 3/8-inch tubing with separation of the zones by means of a packer set at approximately 12,023 feet.

PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Division 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 gas wells located in Southeast New Mexico.

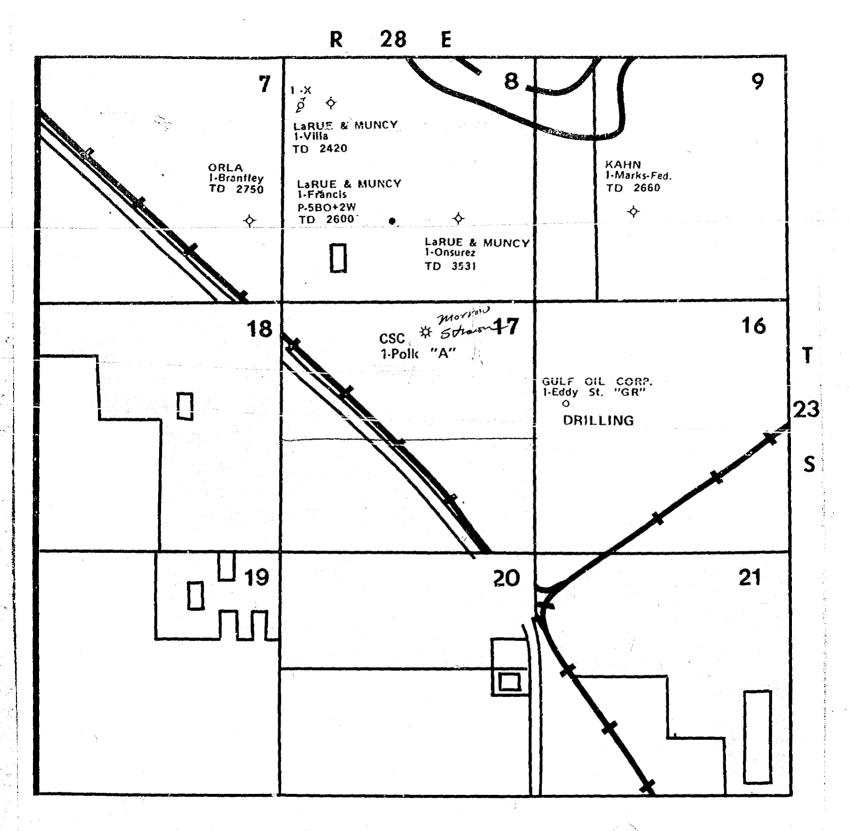
(2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year herein-above designated.

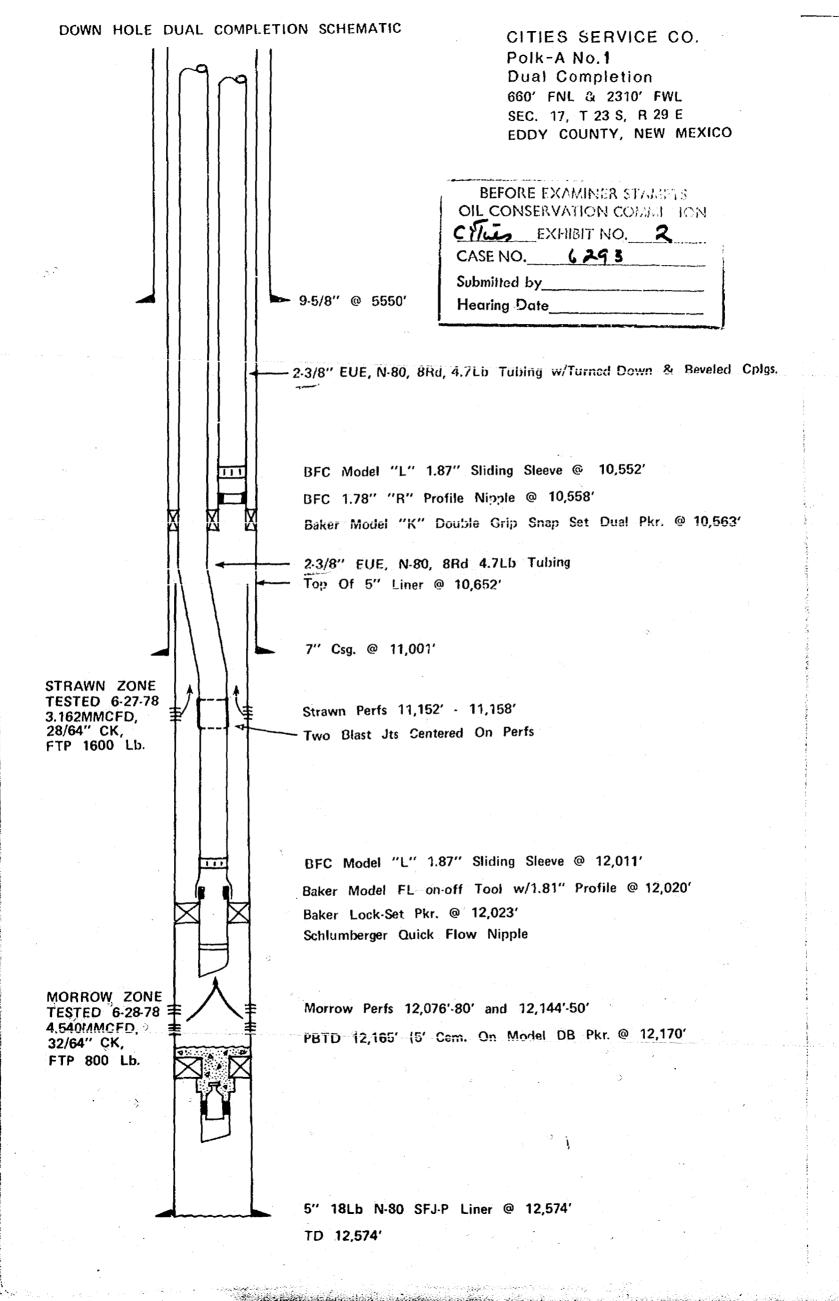
STATE OF NEW MEXICO OIL CONSERVATION DIVISION

JOE D. RAMEY,

Director



BEFORE EXAMINER STAMES OIL-CONSERVATION COMMISSION	S CSO-1-POLK A
Civies EXHIBIT NO. 1	660 FNL , 2310 FEL
CASE NO. 6293	SEC. 17, T 23 S , R 28 E
Submitted by	DDY CO., NEW MEXICO
Hearing Date	SCALE 1 = 2000



Dockets Nos. 28-78 and 29-78 are tentatively set for hearing on August 30 and September 13, 1978. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - AUGUST 16, 1978

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

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

- (1) Consideration of the allowable production of gas for September, 1978, from fifteen prorated ALLOWABLE; pools in Lea, Eddy, and Chaves Counties, New Mexico.
 - (2) Consideration of the allowable production of gas for September, 1978, from four prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico.
- CASE 6290: In the matter of the hearing called by the Oil Conservation Division on its own motion to permit R. A. Crane, Jr., Great American Insurance Co., and all other interested parties to appear and show cause why the Donella Well No. 1 located in Unit P of Section 3, Township 29 North, Range 15 West, San Juan County, New Mexico, should not be plugged and abandoned in accordance with a Division-approved plugging program.
- Application of Mesa Petroleum Co. for a triple completion, San Juan County, New Mexico. CASE 6291; Applicant, in the above-styled cause, seeks approval for the triple completion (conventional) of its State Com S Well No. 15A located in Unit D of Section 36, Township 32 North, Range 12 West, San Juan County, New Mexico, to produce gas from an undesignated Fruitland pool, the Blanco-Pictured Cliffs Pool, and the Blanco Mesaverde Pool thru two strings of tubing and the casingtubing annulus.
- Application of Amoco Production Company for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its CASE 6292: Teledyne Pederal Gas Com. Well No. 1 to be drilled G60 feet from the South line and 330 feet from the East line of Section 4, Township 23 South, Range 29 East, Eddy County, New Mexico, the E/2 of said Section 4 to be dedicated to the well.
- CASE 6293; Application of Cities Service Company for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its Polk "A" Well No. 1 located in Unit B of Section 17, Township 23 South, Range 28 East, Eddy County, New Mexico, to produce gas from the Strawn and Morrow formations thru parallel strings of tubing.
- CASE 6279: Application of Hanagan Petroleum Corporation for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Morrow formation underlying the N/2 of Section 28, Township 21 South, Range 26 East, Avalon Hills-Morrow Pool, Eddy County, New Mexico, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision.

 Also to be considered will be the designation of applicant as operator of the well and a charge
- (Continued from August 2, 1978, Examiner Hearing) CASE 6288:

CASE 6286:

for risk involved in drilling said well.

(Continued from August 2, 1978, Examiner Hearing)

(Continued from August 2, 1978, Examiner Hearing)

Application of Dorchester Exploration, Inc., for pool creation and special pool rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order creating a new oil pool in the Strawn formation for its Wilson State Com Well No. 1 located in Unit I of Section 13, Township 21 South, Range 34 East, Lea County, New Mexico, and for promulgation of special pool rules, including provision for 160-acre spacing;

in the alternative, applicant seeks approval of 80-acre spacing for said pool. (This case will be dismissed.)

- Application of El Paso Natural Gas Company for an exception to Rule 2(A) of Order No. R-1670, as CASE 6294: emended, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 2(A) of Order No. R-1670, as amended, for the Blanco Mesaverde Pool to approve the unorthodox location of its EPNG "B" Well No. 1, located in Unit O of Section 28, Township 32 North, Range 6 West, San Juan County, New Mexico, as an off-pattern well in said pool.
- Application of El Paso Natural Gas Company for downhole commingling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks authority to commingle Blanco Mesaverde and Basin-Dakota gas production in the wellbore of its EPNG "B" Well No. 1 located in Unit 0 of Section 28, Township 32 North, Range 6 West, San Juan County, New Mexico.

JUL 2 : 1979

JABON W. KELLAHIN ROBERT E. FOX W. THOMAS KELLAHIN KAREN AUBREY

KELLAHIN and FOX ATTORNEYS AT LAW. P. O. BOX 1769 SANTA FE, NEW MEXICO 87501

TELEPHONE 982-4318

July 25, 1978

Mr. Joe Ramey Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501

Re: Cities Service Company

Dear Joe:

Please set the enclosed application for hearing on August 16, 1978.

Very truly yours,

W. Thomas Kellahi

W. Thomas Kellahin

Mr. Charles Mitchell CC: Mr. Gene Motter

WTK:kfm

Enclosure

BEFORE THE OIL CONSERVATION DIVISION STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF CITIES SERVICE OIL COMPANY FOR APPROVAL OF A DUAL COMPLETION EDDY COUNTY, NEW MEXICO.

Case 6293

APPLICATION

Comes now Cities Service Oil Company and applies to the Oil Conservation Division of the State of New Mexico for approval of the dual completion of its Polk "A" No. 1 well located in Unit B, Section 17, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico and in support thereof would show the Division:

- 1. The above described well is located in an undesignated Strawn and Morrow pool and is more than one mile from wells dually completed in the same zones.
- 2. Applicant proposed to complete the well as a dually completed well with the Morrow and Strawn production each being produced through a tubing string.
- 3. The Strawn gas zone is located at 11,152 11,158 feet and the Morrow gas zone is located at 12,076 12,150 feet.

WHEREFORE Applicant prays that this application be set for hearing at the next available Examiner hearing of the Division and that after notice and hearing as required by law, the Commission authorize the dual completion as requested.

Respectfully submitted.
CITIES SERVICE OIL COMPANY

By RELAMIN & FOX
P. O. Box 1769
Santa Fe, New Mexico 87501
Attorneys for Applicant

BEFORE THE OIL CONSERVATION DIVISION STATE OF NEW MEXICO

Case 6293

IN THE MATTER OF THE APPLICATION OF CITIES SERVICE OIL COMPANY FOR APPROVAL OF A DUAL COMPLETION EDDY COUNTY, NEW MEXICO.

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Respectfully submitted.

CITIES SERVICE OIL COMPANY

BY KELLAHIN & FOX

Santa Fe, New Mexico 87501

Actorneys for Applicant

BEFORE THE OIL CONSERVATION DIVISION STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF CITIES SERVICE OIL COMPANY FOR APPROVAL OF A DUAL COMPLETION EDDY COUNTY, NEW MEXICO.

Case 6293

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Respectfully submitted.

CITIES SERVICE OIL COMPANY

NELLAHIN & FOX

P.O. Box 1769
Santa Fe New Mexi

Santa Fe, New Mexico 87501 Attorneys for Applicant

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

Cities Service Company Cities Service Company P.O. Box 1919 Midland, TX 79702 Polk "A" Com Polk "A" Com Polk "A" Com Tomosticon Polk "A" Com Polk "A" Com Tomosticon Tomosticon Polk "A" Com Tomosticon Tomosticon Polk "A" Com Tomosticon	7.3 23		County L CONSERVATION COMM.			
P.O. Box 1919 Midland, TX 79702 Polk "A" Com 1 1 1 1 1 1 1 1 1	-	any	1	Say	12, 1978	and the second
Secretary Secr	dress	Berker, dage come is many appropriate in the process of the process of the control of the process of the control of the contro		Well No		The second of the second
Has the New Marico Oil Conservation Commission heterofore authorized the multiple completion of a well in these same pools or in the zones within one mile of the subject well? YES NO NO If answer is yes, identify one such instance: Order No Operator Leave, and Well No.: The following facts are submitted: Upper Zone Zone Zone John Distriction of the Commission of Young John Distriction of Pay Section Department of Pool and Fermation Lindes Straws Under Zone John Distriction of Pay Section Professions International Distriction of Pay Section Professions International Distriction of Pay Section (Preferations) International Distriction of Pay Section (Professions) Integration of John Distriction of Pay Section (Professions (Proving or Artificial Lift) Flowing or Artificial Lift) Flowing or Artificial Lift) Flowing or Artificial Lift) Flowing or Artificial Lift of Proving The following are attached, (Please check YES or NO) Wes No. 3. Disgrammatic Sketch of the Multiple Completion, showing all casing strings, including dismeters and setting depth, secretion and type of packets and side doct chickes, and such other information was bye pertitive and the such chickes, and such other information was bye pertitive the part of the pagnical Complete Check and side doct chickes, and such other information was bye pertitive the pagnical Check and side docton chickes, and such other information was bye pertitive the pagnical Check and side docton chickes, and such other information was bye pertitive the pagnical Check and side docton chickes, and such other information was bye pertitive the pagnical Check and side docton of the application of the pagnical Check and side docton of the application of the pagnical Check and side of the application of proceedings of the pagnical Check and the pagnical Check and State and State Check and State	11010					
### Supervision on mile of the subject well? YIS NO NO 10 perstor Lease, and Well No.: ### In answer is yes, identify one such instances: Order No. 10 perstor Lease, and Well No.: #### In answer is yes, identify one such instances: Order No. 10 perstor Lease, and Well No.: ###################################		17	235	28	BE	
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s. Name of Poels and Formation b. Top and Borene of Pay Section Pa	The following facts are submitted	: Upper	Intermed	iate	Lower	
Description 11152-11158 12076-12150	a. Name of Pool and Formation			,		
(Petrotations) C. Type of production (Oil or Gas) Method of Production (Plowing or Artificial Lift) Flowing The following are tranched, (Please check YES or NO) Yes No. a. Diagrammutic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, cereives and/or turbulizers and location athereof, quantities used and top of centent, perforate intervals, tubing strings, including diameters and setting depths, cereives and/or turbulizers and location athereof, quantities used and top of centent, perforate intervals, tubing strings, including diameters and setting depths, cereives and control thereof, quantities used and top of centent, perforate intervals, tubing strings, including diameters and setting depths, cereives and control to the setting depths of packets and side door checks, and such total intervals at strings and intervals of perforation of operators of all leases officienting applicant's lease, all offset wells on offset leases, and the names and address of operators and all leases officienting applicant's lease, all offset wells on offset leases, and the names and address on the strings of the application. A. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation and intervals of perforation in silical shall be related to the second of the second of perforation in silical shall be related to the second of perforation in silical shall be related to the second of perforation in silical shall be related to the second of perforation in silical shall be related to the second of perforation in silical shall be related to the second of the second of perforation of the second of the second of perforation of the second of perforation of the second of perforation perforation and that the facts stated therein are true, correct and complete to the best of my knowledge. E. If the proposed multiple completion will		undes Straw	VII		Undes Morr	OW
C. Type of production (Oil or Gas) Gas Gas	and the second section is a second to the second	11152_11158			12076-10150	
(Plowing or Artificial Lift) Flowing Flowing Flowing Flowing The following are attached. (Please check YES or NO) The following are attached. (Please check YES or NO) A						
The following are attached. (Please check YES or NO) Yes No. a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, conserved and top of coment, perforated intervals, tubing strings, including diameters and setting depths, conserved and top of coment, perforated intervals, tubing strings, including diameters and setting depths, location and type of packers and sidedoor holds, and such thormation as may be perticulated in the producing strings in the producing strings, including diameters and setting depths, conserved in the producing strings, including diameters and setting specifical sease, all offset wells on offset leases, and the names and adder of operations of all leases offset of peratures, and the names and adder in the sease of the producing strings, and the sease, and the names and adder in the sease of the sease of the producing strings and intervals of perforation in the sease of the sease		Flowing			Flowing	
a. Diagrammatic Sketch of the Mukiple Completion, showing all casing strings, including diameters and setting depths, centres and setting depth, location and type of packers and side door chokes, and such other information as may be pertibudiameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertibudiameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertibuded by the plant showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addre of operators of all leases offsetting applicant's lease, all offset wells on offset leases, and the names and addre of operators of all leases offset in a proposed in the proposed of the application.* [X] d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation dicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 11 List all offset operators to the lease on which this well is located together with their correct mailing address. [Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO If answer is yes, a late of such notification			<u> </u>		1 10 11 16	
CERTIFICATE: I, the undersigned, state that I am the Region Opr. Manager of the Cities Service Company (company), and that I am authorized by said company to make this report; and that this report was preper my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge. Company (company), and that I am authorized by said company to make this report; and that this report was preper my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge. Company (company), and that I am authorized by said company to make this report; and that this report was preper my supervision and direction and long service of my knowledge. Company (company), and that I am authorized by said company to make this report; and that this report was preper my supervision and long said that this report was preper my supervision and long said the long said that the facts stated there is a supervision and long the processed. Company (company), and that I am authorized by said company to make this report; and that this report was preper my supervision and long the long transfer of my knowledge. Company (company), and that I am authorized by said company to make this report; and that this report was preper my supervision and long the long transfer of my knowledge. Company (company), and that I am authorized by said company to make this report; and that this report was preper my supervision and that the facts stated therein are true, correct and company to make this report; and that this report was preper my supervision and company to make this report; and that this report was preper my supervision and that the facts are true, correct and company to make this report; and that this report was preper my supervision and that the facts are true, correct and company to make this report; and that this report was preper my supervision and company to make this report; and that this report was preper my supervision and company to m	X c. Waivers consenting tors have been fur X d. Electrical log of the dicated thereon. (I List all offset operators to the least	g to such multiple complete mished copies of the application of the application of the acceptable of such log is not available asses on which this well is log	ion from each offset operator, of cation. • e log with tops and bottoms of at the time application is filed cated together with their correc	f producing zones it shall be subm	s and intervals of pe	foration in
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the producing zones, then separate application for approval of the same should be filed simultaneously with this application. * Copies of the logs were mailed to the Commission when they were run.	n will hold the application for a p	eriod of twenty (20) days fi	rom date of receipt by the Com	mission's Santa	Fe office. If, after se	on Commis- aid twenty-
	the producing zones, then se	parate application for appro	val of the same should be file the Commission when	they were	y with this application run.	n.
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			andropole buildings with the F. War Street Adequation (1997) .		· · · · · · · · · · · · · · · · · · ·	
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CITIES SERVICE CO.

Polk - A. Nogla

Dual Spring 1978 and

L CONSERVATION COMM.

Santa Fe

9층 @ 5550'

T.O.C. @ 7600

BFC Model "L" 1.87" Sliding Sleeve BFC 1.78" "R" Profile Nipple Baker Model "K" Double Grip Snap Set Dual Pkr.

7" Csg. @ 11,001'

T.U.C. @ 11,114'

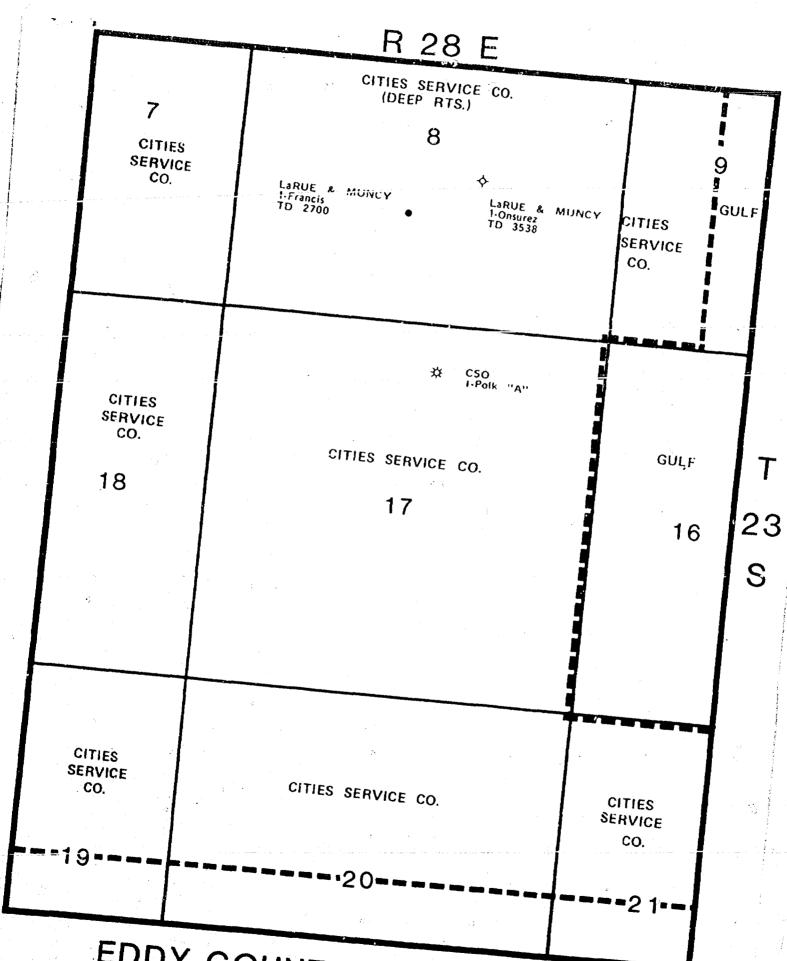
Strawn Perf's 11,152'-11,158'

Two Blast Ut's Centered on Perf's

BFC Model "L" 1.87" Sliding Sleeve Baker Model FL on-aff Tool w/1.81" Profile Baker Lock-Set Pkr. @ 12,023' Schlumberger Quick Flow Nipple

Morrow Perf's 12,076'-80' and 12,144'-50'
PBTD 12,165' (5' Cem. on Model DB Pkr. @12,170

5" 18 N-80 SFJ-P Liner @ 12,574'
TD 12,574'



EDDY COUNTY, NEW MEXICO SCALE: 4" 1 MILE

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



Operator				Santa Fo
		'county	Pare	
Cities Service Company		Eddy	I	у 12, 1978
P.O. Box 1919 Midland		Polk "A" Com	weit no.	
Location Unit Beer	Į.	·	16mge 28k	
of Well B	17	238		
 Has the New Mexico Oil Conservation zones within one mile of the subject If answer is yes, identify one such in 	well? YESN	O NO		•
3. The following facts are submitted:	Upper Zone	Intermedia Zone	te	Lower Zone
a. Name of Pool and Formation	Undes Strawn			Undes Morrow
b. Top and Bottom of				
Pay Section	11152-11158			12076-12150
(Perforations) c. Type of production (Oil or Gas)	Gas			Gas
d. Method of Production				
(Flowing or Artificial Lift)	Flowing			Flowing
of operators of all least to waivers consenting to tors have been furnish X d. Electrical log of the	ses offsetting applicant's lead such multiple completion from the copies of the application well or other acceptable log cholog is not available at the	se, om each offset operator, or h.* with tops and bottoms of p time application is filed i	in lieu thereof, o	, and the names and addresses
Gulf Oil Company. P			mailing address.	ted as provided by Rule 112-A.
5. List all offset operators to the lease Gulf Oil Company. P			mailing address.	and intervals of perforation inted as provided by Rule 112-A.
			mailing address.	ted as provided by Rule 112-A.
			mailing address.	ted as provided by Rule 112-A.
			mailing address.	ted as provided by Rule 112-A

*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil 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 or of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

* Copies of the logs were mailed to the Commission when they were enu.

CITILS SERVICE CO.

Folk A No. 1 1871

Dual Campulation 1978 VI

CONSERVATION COMM.

Santa Fo

9등 @ 5550'

T.O.C. @ 7800

BFC Model "L" 1.87" Sliding Sleeve BFC 1.78" "R" Profile Nipple Baker Model "K" Double Grip Snap Set Dual Pkr.

7" Csg. @ 11,001'

T.O.C. @ 11,114'
Strawn Perf's 11,152'-11,158'
Two Blast Ut's Centered on Perf's

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PBTD 12,165' (5' Cem. on Model DB Pkr. @12,170)

5" 18 N-80 SFJ-P Liner @ 12,574'

Washington and the same of the contract of

R 28 E

			620
7 CITIES SERVICE CO.	CITIES SERVICE CO. (DEEP RTS.) 8 Carue & Muncy 1-Francis TD 2700 Carue & Muncy 1-Onsurez TD 3538	9 GULF CITIES SERVICE CO.	
		1	
· · · · · · · · · · · · · · · · · · ·	☆ CSO I-Polk "A"		
CITIES SERVICE CO.	CITIES SERVICE CO.	ĞÜÜF	T
18	17	1.6	23
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CITIES SERVICE CO.	CITIES SERVICE CO.	CITIES SERVICE CO.	
19	<u></u>	21	

EDDY COUNTY, NEW MEXICO

SCALE: 4" 1 MILE

OIL CONSERVATION CONSTRUCTION DISTRICT

7-21-78 OIL CONSERVATION GENERATION BOX 2088 DATE SANTA FE, NEW MEXICO RE: Proposed MC Proposed DHC Proposed NSL Proposed SWD Proposed WFX Proposed PMX CONSERVATION COM... Sonti. Gentlemen: I have examined the application dated 7-13-78 for the <u>Cite's ServiceCo</u>. <u>Pelk A Com</u>, # /
Operator Lease and Well No. and my recommendations are as follows: Yours very truly,

W.a. Gresset

6273

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING.

DIVISION FOR THE PURPOSE OF	
CONSIDERING:	
	CASE NO. 6293
	Order No. R- 5787
APPLICATION OF CITIES SERVICE CO	OMPANY
FOR A DUAL COMPLETION,	EDDY
COUNTY, NEW MEXICO.	
	1000
ORDER OF THE	DIVISION
BY THE DIVISION:	
This cause came on for hea	ring at 9 o'clock a.m. on
August 16 , 19 78 , a	it Santa Fe, New Mexico, before
Examiner Richard L. Stamets	
Now, on this day	of August , 19 78 , the
Division Director, having conside	red the testimony, the record,
and the recommendations of the Ex	aminer, and being fully advised
in the premises,	
FINDS:	
(1) That due public notic	e having been given as required by
law, the Division has inrisdiction	n of this cause and the subject
matter thereof.	
(2) That the applicant,	Cities Service Company
seeks authority to complete its _	Polk "A"
Well No. 1 , located in Unit	
ship 23 South Range 28	East NMPM, Eddy
County, New Mexico, as a dual	completion (conventional) to (combination) - (tubingless)
xadad ix	
produce gas from the Strawn an	d Morrow formations through
parallel strings of tubing.	
	the second secon

(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, Cities Service Company is hereby authorized to complete its Polk "A" Well Now 1 , located in Unit B of Section 17 Township 23 South , Range 28 East , NMPM, Eddy County, New Mexico, as a dual _completion(conventional) x/monitoienestations)x x(assalgoridust)x to produce gas from the Strawn and Morrow formations through parallel strings of tubing. with separation of the zones PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Division 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 period for the gas wells located in Southeastern New My 10 Fool (2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary. DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.