



(5)(A) That approval of the subject application will prevent waste and protect correlative rights.

TT IS THEREFORE ORDERED:

(1) That the applicant, Yates Petroleum Corporation , is hereby authorized to complete its <u>Tidwell ED</u> Well No. 1, located in Unit $\frac{P}{P}$ of Section $\frac{22}{P}$, Township South East Eddy North Range 26 17 Mese' NMPM, County, New (conventional) XXXX (total total (total) from the Atoka and Morrow formations thorugh the tubing easing annulus and tubing, respectively. with seperation a The zones by menns of a packer approximately 845

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 packer-leakage tests upon completion and annually thereafter during the Annual Gas Wall Shat In Preserve Gas Oil Ratio Test Period for the Southers Vive NeuMerric PoolS, Deliverability

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(3) 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.

(2) That The applicant shall file a report with the Secretary Director of the Commission at the end of each month of Aproduction for the first Three months of production, which three months of production, which shutain and flowing pressures and rutes of gas and condensate production from so of gas and condensate production from so Showing ap that the Secretary Dimeter

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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. 5485

just

Order No. R- 5035

APPLICATION OF Yates Petroleum Corporation 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 May 28 , 19 75, at Santa Fe, New Mexico, before Examiner Richard L. Stamets

NOW, on this day of June , 1975, 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, Yates Petroleum Corporation seeks authority to complete its Tidwell ED Well No. 1, located in Unit \underline{P} of Section $\underline{22}$, Township South East 17 NON Range 26 NEXT NMPM, Eddy County, New (conventional) xxix Mexico, as a dual completion (EXEMINATION) to produce gas (sace (coxister) from the 🔰 Atoka and Morrow formations through the 🖉 🥲 tubing-casing annulus and tubing, respectively. (3) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices. production of liquids from the Atolka zone is not accessive. (4) that the operator should the submit reports to demonstrate that the Atoka zone of is being efficiently produced through the casing - tubing annulus.



OIL CONSERVATION COMMISSION

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

Re:

I. R. TRUJILLO CHAIRMAN

LAND COMMISSIONER PHIL R. LUCERO MEMBER

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

Mr. A. J. Losee Losee & Carson Attorneys at Law Post Office Box 239 Artesia, New Mexico 88210

Applicant:

CASE NO.

ORDER NO._

Yates Petroleum Corp.

5485

R-5035

Dear Sir:

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

ours very truly JOE D. RAMEY Secretary-Director

JDR/fd

Copy of order also sent to:

| Hobbs OCC | x | 11 |
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| Artesia OCC | X | 2.5 2.5 |
| 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. 5485 Order No. R-5035

APPLICATION OF YATES PETROLEUM CORPORATION FOR A DUAL COMPLETION, EDDY COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on May 28, 1975, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this <u>10th</u> day of June, 1975, 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, Yates Petroleum Corporation, seeks authority to complete its Tidwell ED Well No. 1, located in Unit P of Section 22, Township 17 South, Range 26 East, NMPM, Eddy County, New Mexico, as a dual completion (conventional) to produce gas from the Atoka and Morrow formations through the casing-tubing annulus and tubing, respectively.

(3) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices if production of liquids from the Atoka zone is not excessive.

(4) That the operator should submit reports to demonstrate that the Atoka zone is being efficiently produced through the casing-tubing annulus.

(5) That approval of the subject application will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Yates Petroleum Corporation, is hereby authorized to complete its Tidwell ED Well No. 1, located in Unit P of Section 22, Township 17 South, Range 26 East, NMPM, -2-Case No. 5485 Order No. R-5035

Eddy County, New Mexico, as a dual completion (conventional) to produce gas from the Atoka and Morrow formations through the casing-tubing annulus and tubing, respectively, with separation of the zones by means of a packer set at approximately 8456 feet.

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 packerleakage tests upon completion and annually thereafter during the Annual Gas Well Shut-In Pressure Test Period for Southeastern New Mexico Pools.

(2) That the applicant shall file a report with the Secretary Director of the Commission at the end of each month of Atoka production, for the first three months of production, showing shut-in and flowing pressures and rates of gas and condensate production from said Atoka zone.

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

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



STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

I. R. TRUJILLO, Chairman Rel R. Lucero

(PMIL R. LUCERO, Member

JOE D. RAMEY, Member & Secretary

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DIAGRAMMATIC SKETCH 0F PROPOSED DUAL COMPLETION



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BEFORE THE OIL CONSERVATION COMMISSION

MAY 1 2 1975

OIL CONSERVATION COMM. Santa Fe

STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF YATES PETROLEUM CORPORATION FOR DUAL COMPLETION, EDDY COUNTY, NEW MEXICO

Case No. 548-

APPLICATION

COMES YATES PETROLEUM CORPORATION, by its attorneys, and in support hereof, respectfully states:

1. Applicant is operator of the Pennsylvanian system underlying the E/2 of Section 22, Township 17 South, Range 26 East, N.M.P.M., Eddy County, New Mexico, upon which it has drilled its Tidwell "ED" No. 1 Well at a location 990 feet from the South line and 660 feet from the East line of said Section 22.

2. Applicant proposes to dually complete its said Tidwell "ED" No. 1 Well to produce gas from the Atoka formation through the casing-tubing annulus and to produce gas from the Morrow formation through tubing, with separation of zones by a packer.

3. A diagrammatic sketch of the proposed conventional dual completion in accordance with Rule 112-A of the Commission Rules and Regulations is hereto attached; that the mechanics of the proposed dual completions are feasible in accord with good conservation practices; and will otherwise prevent waste and protect correlative rights.

WHEREFORE, applicant prays:

A. That this application be set for hearing before an examiner and that notice of said hearing be given as required by law.

B. That upon hearing the Commission enter its order granting permission to applicant to conventionally dually complete its said Tidwell "ED" No. 1 Well for the production of gas from the Atoka and Morrow formations.

C. And for such other relief as may be just in the

premises.

YATES PETROLEUM CORPORATION

By: Chad Dicheron

LOSEE & CARSON, P.A. P. O. Drawer 239 Artesia, New Mexico 88210 Attorneys for Applicant

DIAGRAMMATIC SKETCH OF PROPOSED DUAL COMPLETION



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Docket No. 12-75

Docket No. 13-75 is tentatively set for hearing on June 11, 1975. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - MAY 28, 1975

9 A.M. - OIL CONSERVATION COMMISSION 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:

CASE 5468: (Continued from the April 30, 1975 Examiner Hearing)

In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Kenneth M. Hankins, Great American Insurance Company, and all other interested parties to appear and show cause why the Virginia Branch Well No. 1, located in Unit D of Section 9, Township 10 North, Range 25 East, Guadalupe County, New Mexico, should not be plugged and abandoned in accordance with a Commission-approved plugging program.

CASE 5485:

Application of Yates Petroleum Corporation for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its Tidwell ED Well No. 1, located in Unit P of Section 22, Township 17 South, Range 26 East, Kennedy Farms Field, Eddy County, New Mexico, in such a manner as to produce gas from the Atoka-and Morrow formations through the tubing-casing annulus and tubing, respectively.

CASE 5486:

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Application of Yates Petroleum Corp. for two unorthodox gas well locations, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox gas well locations for two proposed wells adjacent to the Atoka-Pennsylvanian Gas Pool, Eddy County, New Mexico, the first to be located in the center of Unit O of Section 25, Township 17 South, Range 25 East, the E/2 of said Section 25 to be dedicated to the well, and the second to be located in the center of Unit M of Section 31, Township 17 South, Range 26 East, the W/2 of said Section 31 to be dedicated to the well.

CASE 5487:

Application of J. I. O'Neill, Jr., for selt water disposal, Roosevelt County, New Mexico. Applicant, in the above-styled cause, seeks approval for the disposal of produced salt water by injection into the San Andres formation through the perforated interval from 4852 feet to 5001 feet in his State L Well No. 2, located in Unit N of Section 16, Township 8 South, Range 36 East, South Prairie-San Andres Pool, Roosevelt County, New Mexico.

Examiner Hearing - Wednesday - May 28, 1975

Docket No. 12-75 -2-

CASE 5488:

Application of Texas Pacific Oil Co. for pool contraction and extension, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order contracting the vertical limits of the Jalmat Gas Pool underlying the N/2 NE/4 and the SE/4 NE/4 of Section 4, Township 23 South, Range 36 East, Lea County, New Mexico, by the deletion therefrom of the lowermost 160 feet of the Seven Rivers formation, and the concurrent extension of the vertical limits of the Langlie Mattix Pool underlying said lands to include therein the said lowermost 160 feet of the Seven Rivers formation, further to similarly contract the vertical limits of the Jalmat Gas Pool underlying the NW/4 SW/4 of Section 3, Township 23 South, Range 36 East, by the deletion of the lowermost 135 feet of the Seven Rivers and the concurrent extension of the Langlie Mattix Pool to include the lowermost 135 feet of the Seven Rivers.

CASE 5489:

14 d 2

Application of Texas Pacific Oil Co., Inc. for a waterflood expansion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the expansion of its Jalmat State "A" and/or its Langlie Mattix State "A" waterflood projects, Jalmat and Langlie Mattix Pools, by the injection of water into the Seven Rivers and Queen formations through its State "A" Wells Nos. 47 and 63 located, respectively, in Units K and I of Section 3 and its State "A" Well No. 84, located in Unit G of Section 23, all in Township 23 South, Range 36 East, Lea County, New Mexico.

CASE 5490: Application of Tenneco Oil Co. for salt water disposal, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water by injection into the Strawn formation through the perforated interval from 11,164 feet to 11,470 feet in its Jones Federal "D" Well No. 1, located in Unit E of Section 24, Township 19 South, Range 31 East, Lusk-Strawn Pool, Eddy County, New Mexico.

CASE 5491:

Application of Murphy H. Baxter for an unorthodox oil well location and an administrative procedure, Lea County, New Mexico, Applicant, in the above-styled cause, seeks approval for the unorthodox oil well location for a well to be drilled 1980 feet from the North line and 1460 feet from the East line of Section 1, Township 18 South, Range 33 East, North EK-Queen Pool, Lea County, New Mexico. Applicant further seeks the establishment of an administrative procedure whereby additional wells at unorthodox locations in the North EK-Queen Unit Area could be approved without notice and hearing.

CASE 5469:

(Continued and Readvertised)

Application of Read & Stevens for an unorthodox gas well location, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox gas well location of a well to be drilled at a point 990 feet from the South and West lines of Section 7, Township 15 South, Range 28 East, Chaves County, New Mexico, in exception to the Buffalo Valley-Pennsylvanian Gas Pool Rules.

Examiner Hearing - Wednesday - May 28, 1975

Docket No. 12-75 -3-

CASE 5492: Application of David Fasken for downhole commingling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Canyon and Morrow production in the wellbore of his El Paso Federal Well No. 2, located in Unit M of Section 2, Township 21 South, Range 26 East, Avalon Field, Eddy County, New Mexico.

CASE 5493:

Application of Texas West Oil & Gas Corporation for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Pennsylvanian formation underlying the E/2 of Section 5, Township 24 South, Range 34 East, Bell Lake Field, Lea County, New Mexico, to be dedicated to a well to be drilled at an orthodox location for said unit in Unit G of said Section 5. 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 for the risk involved in drilling said well.

CASE 5494:

Application of Burleson and Huff for compulsory pooling, a nonstandard gas proration unit, and an unorthodox location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Jalmat Gas Pool underlying the NW/4 of Section 35, Township 25 South, Range 37 Bast, Lea County, New Mexico, and in the Langlie Mattix Pool underlying the NW/4 NW/4 of said Section 35 to form a non-standard 160-acre Jalmat gas proration unit and a standard 40-acre Langlie Mattix oil provation unit, each to be dedicated to applicant's Dabbs Well No. 2, located at an unorthodox Jalmat gas well location 330 feet from the North line and 990 feet from the West line of said Section 35. Also to be considered will be the cost of re-entering, drilling, and completing said well and the allocation of such costs as well as actual operating costs and charges for supervision. Also to be considered will be the designation of the applicant as operator of the well and a charge for the risk involved in re-entering, drilling, and completing said well.

LAW OFFICES

A.J.LOSEE JOEL M. CARSON CHAD DICKERSON LOSEE & CARSON P.A. Id EAN 17 1913 ALEA CODE 501 300 AMERICAN HOME BUILDING AREA CODE 505 P. O. DRAWER 239 P. O. DRAWER 239

9 May 1975

OIL CONSERVATION COMM. Santa Fe

54854 5-486

Mr. Dan Nutter New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501

Dear Mr. Nutter:

Enclosed for filing, please find three copies each of the following applications of Yates Petroleum Corporation:

- Application for Unorthodox Gas Well Location, 1. in the Morrow formation;
- Application for Unorthodox Gas Well Location, 2 in the West Atoka Morrow gas pool; and

Application for Dual Completion in the Atoka 3. and Morrow formations.

We understand that in your telephone conversation with Mr. Losee on May 5, the date set for hearing the applications set forth above is May 28, 1975.

Sincerely,

LOSEE & CARSON, P.A.

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cc: Yates Petroleum Corporation with enclosures

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BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico May 28, 1975

EXAMINER HEARING

IN THE MATTER OF:

Application of Yates Petroleum Corporation for a dual completion, Eddy County, New Mexico. Case No. 5485

Page..... 1

BEFORE: Richard L. Stamets, Examiner.

TRANSCRIPT OF HEARING

APPEARANCES

For the Applicant:

A.J. Losee, Esq. LOSBE & CARSON Carper Building Artesia, New Mexico



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MR. STAMETS: Call the next case, 5485.

MR. LOSEE: Mr. Examiner, A.J. Losee, Losee & Carson, Artesia. I have one witness to be sworn.

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

(Witness sworn.)

EDDIE M. MAHFOOD

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

DIRECT EXAMINATION

BY MR. LOSEE:

Q Please state your name, residence, occupation.

A Eddie Mahfood, Artesia, New Mexico, Chief Engineer for Yates Petroleum.

Q Have you previously testified before this Commission and had your qualifications accepted?

A Yes, I have.

Q Would you explain the purpose of the Application in Case 5485?

A Yates Petroleum seeks to dual complete a well in a field called Kennedy Farms.

Q It's your Tidwell ED No. 1?

A Correct.

Q It's located 990 from the south line and 660 feet from the east line, Section 22, 17, 26?

A That is correct.

Q Has this unorthodox location previously been approved by the Commission on a hearing and order?

A Yes, it has.

Q Now, is the well located in the Kennedy Farms Morrow?

A Yes. When we found completion in the Morrow we asked that it be extended -- that the Kennedy Farms be extended to include this well.

Q Now, this well also has been completed in the Atoka. Have you asked for the creation of a Kennedy Farms Atoka Pool?

A Yes, we have.

Q To cover the E/2 of Section 22?

A That is correct.

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Q Please refer to what has been marked as Exhibit 1 and explain what is reflected by this Exhibit?

A Exhibit 1 is an ownership map showing offset leases and wells in the Kennedy Farms area. We see the

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CASE 5485

discovery well in Section 34; we see additional wells in Section 27 and Tidwell in Section 22.

Q Please refer to what has been marked as Exhibit 2, being the log of your Tidwell ED No. 1 Well, and explain what is portrayed by this Exhibit.

A This is a combination neutron density log. We show the tops of the Atoka and the Morrow. Colored in orange are the pay zones for the Morrow and the Atoka pay zone.

Q It shows your perforations in the Morrow and the Atoka?

A Right. It shows the perforations, the niche of the completion, and the open-flow potential.

Q Okay. Is your Atoka completed in perforations between 8276 and 8294?

A That is correct.

A And the Morrow between 8507 and 8526?

A That is correct.

ay the second

Q Have you run the 4-point test on each of these zones?

A Yes. The Morrow potential for 7.68 million and the Atoka potential for 7.1 million.

Q What fluid is being produced or capable of

CASE 5485 Page 6

being produced from each of these zones?

A The Morrow produces in excess of 10 barrels per million, the Atoka less than 3 barrels per million.

Q Now, when you say "excess," is it approximately 10 barrels?

A Approximately 10 barrels.

Q Please refer to what has been marked as Exhibit.

A This is a diagrammatic sketch showing the purported dual completion; it is a conventional completion using one packer. The Morrow will produce through tubing; the Atoka will produce through the casing annulus.

Q All right. Does this also show your casing strings and the cement in each string?

A Yes. We see 520-feet of surface pipes; we see 1500-feet of intermediate pipes met at the surface and we see 5-1/2 casing set at 8719 feet; plug-back is 656; perforated in the Morrow and perforated in the Atoka.

Q What type of packer do you propose to set?

A This will be a Guiberson Unit 4.

Q You've got blast joints?

A We have blast joints opposite the Atoka

perforations.

Q Your sliding sleeves?

A A sliding sleeve below the Atoka perforations so we can blank off the Morrow and put the Atoka and the tubing when we need to clean the well out.

Q Do you deem the mechanics of this dual completion feasible?

A Yes.

Q Are there any other duals in the Kennedy Farms?

A No, this is the first.

Q None within a mile of this, are there?

A There is none within a mile of this.

Q Your only offset operator other than Yates

is who?

APre-

A Texas Pacific.

Q Did you notify them of this Application on May the 9th?

A Yes. A copy of this Application was sent to them.

Q Do you believe that the approval of this Application will prevent waste and protect correlative rights?

A Yes, I believe that's true.

Q Were Exhibits 1 through 3 prepared by you or

MAHFOOD-DIRECT -CROSS

CASE 5485

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under your direction?

This is correct. A

MR. LOSEE: We move the introduction of Exhibits

1 through 3.

MR. STAMETS: These Exhibits will be admitted.

(Whereupon, Applicant's Exhibits Nos. 1 through 3 were admitted into evidence.) MR. LOSEE: That's the case on direct examination.

(Whereupon, a discussion was

held off the record.)

CROSS EXAMINATION

BY MR. STAMETS:

Mr. Mahfood, are the tops which you show on 0 Exhibit No.2, are these correlated to the standard tops that the Pennsylvanian Study Commission came up with and are demonstrated on the cross sections in the Artesia District Office?

A I'm sorry, I don't know the answer to that. I believe it is, but a geologist would have to answer that question.

I believe you said the Atoka makes 3 barrels Q per million. Can this be efficiently produced up the

MAHFOOD-CROSS

annulus space in this well?

A I believe so.

Q What demonstration do you have that this can be efficiently produced; do you have another well producing in this manner?

A Not in this field. We have several dual completions in other fields and the 3 barrels per million is a very negligible amount of fluid to be produced with that gas. This one has a very high potential, 7.1 million, so there should be no difficulty moving that fluid. Q I believe you indicated there was a sliding sleeve which could be opened to clean the well up in the Atoka?

A That is correct.

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Q This is not an inexpensive process, is it? A No, it's not very expensive either. It is done by a alick line wire line.

Q It's not the sort of operation that you would run out there every month and do though, is it?

A No. Q Would you be willing to submit test data for, say, a period of 90 days after the well goes on string to verify that the Atoka is being efficiently produced up

MAHFOOD-CROSS

CASE 5485 Page......10

this annulus space?

A Yes.

Q And also to notify the Artesia District Office any time a sliding sleeve would be opened?

A Yes.

MR. STAMETS: Are there any other questions of the Witness? He may be excused. Anything further in this Case?

MR. LOSEE: I have nothing further.

MR. STAMETS: We will take the Case under

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CASE 5485 11

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STATE OF NEW MEXICO COUNTY OF SANTA FE

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SS.

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.

RICHARD L. NYE, Court/Reporter

I do hereby certify that the foregoing to a complete record of the proceedings in the Raminer hearing of Case No. 5485

K · 🧹 , Examiner

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