Lase Number 5894 ್ಟ್ Application Trascripts Small Exhibits ETC.

Paos BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION 2 Santa Fe, New Mexico April 6, 1977 3 EXAMINER HEARING 4 5 IN THE MATTER OF: 6 Application of Consolidated Oil & Gas,) CASE 7 5894 Inc., for an unorthodox gas well location, Rio Arriba County, New Mexico.) 8 9 I**morrish reporting service** General Court Reporting Service Mejia, No. 122, Santa Fe, New Mexico 87501 Phone (505) 982-9212 BEFORE: Daniel S. Nutter, Examiner 10 11 TRANSCRIPT OF HEARING 12 APPEARANCES 13 For the New Mexico Oil Lynn Teschendorf, Esq. 14 Conservation Commission: Legal Counsel for the Commission 825 Calle Mejia, State Land Office Building 15 Santa Fe, New Mexico sid 16 For the Applicant: W. Thomas Kellahin, Esq. KELLAHIN & FOX 17 Attorneys at Law 500 Don Gaspar 18 Santa Fe, New Mexico 19 20 21 22 23 24 25

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Page. MR. NUTTER: We will call Case Number 5894. 2 MS. TESCHENDORF: Case 5894, application of 3 Consolidated Oil & Gas, Inc., for an unorthodox gas well location, Rio Arriba County, New Mexico. MR. KELLAHIN: Tom Kellahin of Kellahin and Fox Б appearing on behalf of the applicant and we have one witness 6 to be sworn. 7 (THEREUPON, the witness was duly sworn.) 8 9 ico 8750) 10 SAM BUTLER 11 called as a witness, having been first duly sworn, was examined 12 and testified as follows: 13 14 DIRECT EXAMINATION 15 BY MR. KELLAHIN: Would you please state your name, by whom you are 16 Q. employed and in what capacity? 17 My name is Sam Butler. I'm employed by Consolidated A. 18 Oil & Gas, Inc. in Denver as a Petroleum Reservoir Engineer. 19 Mr. Butler, have you previously testified before this 20 Q Commission? 21 22 No, I have not. A. Would you give the Examiner a brief background of 23 Q. 24 your work experience and what education you have had? What 25 degrees do you hold?

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	1	A. I graduated from the Colorado School of Mines in
······································	2	1968 with a professional degree in Petroleum Engineering.
	3	Q Since your graduation where have you been employed?
	4	A. For three years I worked as a gas reservoir engineer
	Б	for Panhandle Eastern Pipeline Company in Liberal, Kansas and
	6	in 1971 was employed by Midwest Oil Corporation in Denver as
	7	a reservoir engineer and since 1974 I have been with Consolidated
	8	Oil & Gas in the same capacity.
6 87501	9	Q. Have you made a study of and are you familiar with
BETVÌCE vice Maxico 8:	10	the facts surrounding this particular application?
NG BE Newice New Mice	11	A. Yes, I am.
Ortin sporting nta Fe, 982-95	12	MR. KELLAHIN: If the Examiner please, are the
h rej Court R. 122, Se ne (505)	13	witness' qualifications acceptable?
morris General C General C General C	14	MR. NUTTER: Yes, they are.
sid m a Ge Calle Meju	15	Q. (Mr. Kellahin continuing.) Mr. Butler, would you
8 825 C	16	please refer to what has been marked as Exhibit Number One,
	17	identify it and explain to us what you are seeking to
	18	accomplish?
	19	A. Exhibit Number One shows Consolidated's lease owner-
	20	ship in the stippled gray area, as well as an iso-cumulative
	21	production map contoured from gas production from the Mesaverde
	22	formation in the area that we seek this approval.
	23	The contour interval is two hundred million cubic
	24	feet per line. The three hundred and twenty acre unit that
	25	we are proposing to dedicate to the well as shown, is outlined
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Page 1 with a dashed dark line. 2 Q. Who owns the offsetting acreage in Section 35 to the 3 east? I don't know. A. 4 How about the offset acreage in Section 3 to the Q 5 south? 6 A. Petro-Lewis owns two wells that produce from the 7 Pictured Cliffs. 8 One thing I would like to point out is that the wells 9 ico 8750] shown on this map are only the Mesaverde completions in the 10 area and not other zones. 11 Who operates the west half of Section 34? Q. 12 Northwest Production operates the well in the south-13 A. west quarter. 14 Q. And the production in the south half of Section 27 to 15 825 the north? 16 That would be Dugan Exploration or Dugan Production. A. 17 Your proposed location is an unorthodox location for Q. 18 the Mesaverde formation? 19 Yes, it is. A. 20 How do you intend to complete this well? Q. 21 We intend to dually complete this well in the A. 22 Tapacito-Pictured Cliffs Pool and the Blanco-Mesaverde Pool. 23 Is it a standard location for the Pictured Cliffs? 24 Q. Yes, it is. 25 A.

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	1	\mathfrak{Q} What would be the allowable location for the Mesa-
	2	verde?
	3	A. Up in the northeast quarter of Section 34 would be th
	4	allowable location.
	5	Q. Okay. Would you please refer to what has been marked
	6	as Exhibit Number Two and identify it?
	7	A. Exhibit Number Two is a compilation of the well
8 7501	8	histories surrounding the area that we are proposing to
	9	drill, giving the location of the wells, the completion dates,
Bervice <i>vice</i> v Mexico 8	10	the type of completion and the cumulative productions to the
	11	first of 1977 and the average gas rate for 1976, MCF a day.
reporting 1 <i>Reporting</i> S. 2 Santa Fe, No 505) 982-921	12	Q. Your application only calls for an unorthodox gas
_ \$2°	13	well location at this time. If you intend to complete this as
I MOTTISh General Co Mejia, No. 1. Phone	14	a dual completion you will come back to the Commission again
sid mo <i>Gu</i> 825 Calle Mejia	15	and seek that approval once the well is completed?
8 825 C	16	A. Yes, sir.
	17	Q. Have you received any objection to your application
	18	from any offset operators?
	19	A. We have not received any objection.
	20	Q In your opinion, Mr. Butler, will the granting of
	21	this application be in the best interests of conservation,
	22	the prevention of waste and the protection of correlative
	23	rights?
	24	A. Yes.
	25	Q. Were Exhibits One and Two prepared by you or under
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your direction and supervision?

A. Yes, they were.

MR. KELLAHIN: We move the introduction of Exhibits One and Two.

5 MR. NUTTER: Applicant's Exhibits One and Two will
6 be admitted.

(THEREUPON, Applicant's Exhibits One and

Two were admitted into evidence.)

MR. KELLAHIN: That concludes our direct examination.

CROSS EXAMINATION

12 BY MR. NUTTER:

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Mr. Butler, a standard location for the well would
be in the northeast quarter of the section, is that correct?
A. That is correct, yes.

Q So it is obvious from your iso-cumulative production map here that you are seeking to get into a better area of the proration unit by the nonstandard location here?

A. Yes, sir, it is.

Q. On this Exhibit Number Two you show that some of
these wells or maybe all of them are dual completions and you
also show initial potential as cum production, is that from
both of the zones in the wells?

A. This is just Mesaverde production, sir.

Q. Okay, these statistics then are Mesaverde only?

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8750)

Page 1 Yes, they are. ۸. 2 And your application for the dual completion would be Q. handled soparately when you drill the well? 3 ٨. Yes, it would. MR. NUTTER: Are there any further questions of the 5 witness? He may be excused. 8 (THEREUPON, the witness was excused.) 7 MR. NUTTER: Do you have anything further, Mr. 8 9 Kellahin? 87501 service 10 MR. KELLAHIN: No, sir. 11 MR. NUTTER: Does anyone have anything they wish to morrish reporting offer in Case Number 5894? We will take the case under 12 13 advisement. 14 sid 15 825 Calle 16 17 18 19 20 21 22 23 24 25

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REPORTER'S CERTIFICATE

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Phone (505) 982-921

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I, SIDNEY F. MORRISH, a Certified Shorthand 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.

Sidney F. Morrish, C.S.R.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 5894, heard by me on 446, 197.7.

New Mexico Oil Conservation Commission



BEFORE THE

OIL CONSERVATION COMMISSION OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF CONSOLIDATED OIL & GAS, INC., FOR APPROVAL OF INFILL DRILLING, DUAL COMPLETION AND AN UNORTHODOX WELL LOCATION, RIO ARRIBA COUNTY, NEW MEXICO

APPLICATION

Comes now Consolidated Oil & Gas, Inc., and applies to the Oil Conservation Commission of New Mexico for authority to drill an infill well in the Blanco-Mesaverde gas pool, Rio Arriba County, New Mexico, and to dually complete it with the Tapacito-Pictured Cliffs gas pool, and in support thereof would show the Commission:

Applicant proposes to drill its Jicarilla No. 5-34 well 1850 feet from the East line, and 790 feet from the South line of Section 34, Township 26 North, Range 3 West, as an infill well in the Mesaverde, dedicating thereto the E/2 of the section, and dedicating the SE/4 of Section 34 to production from the Tapacito-Pictured Cliffs Pool.

Approval of this application will result in the production of gas and liquid hydrocarbons that would not otherwise be recovered, is in the interests of conservation, prevention of waste, and the correlative rights of interest owners will be fully protected.

WHEREFORE applicant prays that this application be set



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for hearing before the Commission's duly appointed examiner, and that after notice and hearing as required by law, the Commission enter its order approving the well location, and dual completion as proposed.

-2-

Respectfully submitted, CONSOLIDATED OIL & GAS, INC.

Yellah. By Kellahin & Fox P. O. Box 1769 Santa Fe, New Mexico 87501

ATTORNEYS FOR APPLICANT



DIRECTOR

JOE D. RAMEY

OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO P. O. BOX 2088 - SANTA FE 17501 LAND COMMISSIONER PHIL R. LUCERO April 13, 1977



Mr. Tom Kellahin Kellahin & Fox Attorneys at Law Post Office Box 1769 Santa Fe, New Mexico Re: CASE NO.

ORDER NO. R-5414

Applicant:

Consolidated Oil & Gas, Inc.

5894

Dear Sir:

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

Yours very truly, JOE D. RAMEY Director

JDR/fd

Copy of order also sent to:

Hobbs OCC	X
Artesia OCC	X
Aztec OCC	Χ

Other

BEFORE THE CIL 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. 5894 Order No. R-5414

APPLICATION OF CONSOLIDATED OIL & GAS, INC. FOR AN UNORTHODOX GAS WELL LOCATION, RIO ARRIBA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on April 6, 1977, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 12th day of April, 1977, 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, Consolidated Oil & Gas, Inc., seeks approval of an unorthodox gas well location for its Jicarilla 34 Well No. 5 at a point 790 feet from the South line and 1850 feet from the East line of Section 34, Township 26 North, Range 3 West, NMPM, to test the Mesaverde formation, Blanco-Mesaverde Pool, Rio Arriba County, New Mexico.

(3) That the E/2 of said Section 34 is to be dedicated to the well.

(4) That a well at said unorthodox location will better enable applicant to produce the gas underlying the proration unit.

(5) That no offset operator objected to the proposed unorthodox location.

-2-Case No. 5894 Order No. R-5414

(6) That approval of the subject application will afford the applicant the opportunity to produce its just and equitable share of the gas in the subject pool, will prevent the economic loss caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive number of wells, and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That an unorthodox gas well location for the Mesaverde formation is hereby approved for the Consolidated Oil & Gas, Inc. Jicarilla 34 Well No. 5 to be located at a point 790 feet from the South line and 1850 feet from the East line of Section 34, Township 26 North, Range 3 West, NMPM, Blanco Mesaverde Pool, Rio Arriba County, New Mexico.

(2) That the E/2 of said Section 34 shall be dedicated to the above-described well.

(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

, 4 (, Lucero PHIL R. LUCERO, Chairman

EMERY C. ARNOLD, Member JOE D. RAMEY, Member & Secretary

SEAL

dr/

Dockets Nos. 12-77 and 14-77 are tentatively set for hearing on April 20 and May 11, 1977. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - APRIL 6, 1977

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

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

CASE 5884: (Continued & Readvartised)

Application of BCO, Inc., for an unorthodox location and downhole commingling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks authority to commingle Greenhorn, Graneros and Dakota production in the wellbore of its Dunn Well No. 1 at an unorthodox Dakota location in Unit M of Section 10, Township 23 North, Range 7 West, Rio Arriba County, New Mexico.

CASE 5894:

Application of Consolidated Oil & Gas, Inc., for an unorthodox gas well location, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Jicarilla Well No. 5-34, at a point 790 feet from the South line and 1850 feet from the East line of Section 34, Township 26 North, Range 3 West, Blanco Mesaverde Pool, Rio Arriba County, New Mexico, to be dedicated to the E/2 of said Section 34.

- CASE 5895: Application of C & K Petroleum, Inc., for compulsory pooling and an unorthodox location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp and Pennsylvanian formations underlying the S/2 of Section 12, Township 22 South, Range 26 East, Eddy County, New Mexico, to be dedicated to a well to be drilled at an unorthodox location 840 feet from the South line and 1760 feet from the East line of said Section 12. Also to be considered will be the cost of drilling and completing said well und 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 risk involved in drilling said well.
- CASE 5896: Application of Exxon Company, USA, for special pool rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the promulgation of a special gas-oil ratio limit of 6000 cubic feet of gas per barrel of oil for the Wantz-Abo Pool, Lea County, New Mexico.
- CASE 5897: Application of Read & Stevens, Inc., for an unorthodox gas well location, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Rose Well No. 2 to be located 1650 feet from the South line and 990 feet from the West line of Section 18, Township 15 South, Range 28 East, Buffalo Valley-Pennsylvanian Gas Pool, Chaves County, New Mexico.
- CASE 5653: (Reopened)

In the matter of Case 5653 being reopened pursuant to the provisions of Order No. R-5191 which order established temporary special pool rules for the Daisey-Wolfcamp Pool, Lea County, New Mexico. All interested parties may appear and show cause why said pool should not be developed on 40-acre spacing units.

- CASE 5898: Application of Chace Oil Company for downhole commingling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Ballard-Pictured Cliffs and South Lindrith Gallup-Dakota production in the wellbore of its Jicarilla 70 Well No. 3 located in Unit C of Section 33, Township 24 North, Range 4 West, Rio Arriba County, New Mexico. In the alternative, applicant seeks authority to commingle said production at the surface without prior measurement and waiver of the gas-oil ratio test requirement.
- CASE 5899: (This case will be continued and will be heard by the Commission at 2 p.m. on April 20, 1977, Oil Conservation Commission Conference Room, State Land Office Building, Santa Fe, New Mexico)

Application of Robert P. Wallach, Ray A. Wallach, and Patricia Louise Wallach House for an exception to Order No. R-3221, Lea County, New Mexico. Applicants, in the above-styled cause, seek, as an exception to the provisions of Commission Order No. R-3221, permission to construct and operate several earthen evaporation pits in the gravel pits in the SW/4 of Section 29, Township 21 Scuth, Range 38 East, Lea County, New Mexico, for the disposal of produced salt water from oil and gas wells in Lea County, New Mexico.



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Offset Well Completion Summary Jicarilla Area Rio Arriba County, New Mexico	nary deo			:					
Operator Well Name	Location	Well Spot	Comp. Date	Completion	Initial Pot Gas (mcf/d)	Potential Cond. (bbls/d)	<u>Cum Prod. @</u> Gas (mmcf)	1/1/77 Cond. (bbls)	Avg. Rate 1976 Gas (mcf/d)
Dugan Production 1 Jicarilla E 2 Jicarilla E	21-26-3 27-26-3	SW SW M NE SW K	11/26/58 12/30/58	Dual MV-PC Dual MV-PC	2,566 821	5 E 3 D 5 I 1 I 1 I	660 80	1,659 963	5 5 3
Mobil Oil Corporation 5 Jicarilla B 3 Jicarilla B 8 Jicarilla D	20-26-3 20-26-3 23-26-3	NE NE A SW SW M NE NE A	10/27/57 9/25/57 10/20/58	Dual MV-PC Dual MV-PC Dual MV-PC	2,426 2,591 1,937	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	243 1,041 207	604 6,420	28 138 16
Northwest Production 7 Jicarilla 117E 5 Jicarilla 117E 2-A Jicarilla 117E 2 Jicarilla 117E 3 Jicarilla 117E	28-26-3 28-26-3 33-26-3 33-26-3 34-26-3	NW NE B SW SW M NE SE I SE SE H SE SW N	8/9/57 7/10/57 8/26/76 9/26/56 4/12/57	Dual MV-PC Dual MV-PC Single MV Dual MV-PC Dual MV-PC	1,975 2,777 3,314 513	k 1 k 1 1 J 2 J J J 1 1 1 1 k 1 1 1	36 778 745 725	2,803 2,803 1,741 2,034	4
					MUan	13	DEFORE OIL CON CASE NO	NO. 5-874	NUTTER
	•			•			Exhibit Prepar	Exhibit Frepared by: JSB 3/29/77	129/77



· · ·		Northwest Production 7 Jicarilla 117E 5 Jicarilla 117E 2-A Jicarilla 117E 2 Jicarilla 117E 3 Jicarilla 117E	Mobil Oil Corporation 5 Jicarilla B 3 Jicarilla B 8 Jicarilla D	Dugan Production 1 Jicarilla E 2 Jicarilla E	<u>Operator</u> Well Name	Offset Well Completion Summary Jicarilla Area Rio Arriba County, New Mexico
		28-26-3 28-26-3 33-26-3 33-26-3 34-26-3	20-26-3 20-26-3 23-26-3	21-26-3 27-26-3	Location	Summary v Mexico
		NW NE B SW SW M NE SE I SE SE H SE SW N	NE NE A SW SW M NE NE A	SW SW M NE SW K	Well Spot	
		8/9/57 7/10/57 8/26/76 9/26/56 4/12/57	10/27/57 9/25/57 10/20/58	11/26/58 12/30/58	Comp. Date	
		Dual MV-PC Dual MV-PC Single MV Dual MV-PC Dual MV-PC	Dual MV-PC Dual MV-PC Dual MV-PC	Dual MV-PC Dual MV-PC	Completion	
		1,975 2,777 54 3,314 513	2,426 2,591 1,937	2,566 821	Initial Pot Gas (mcf/d)	
		9 1 8 8 1 1 8 8 9 9 1 8 9 1 8 1 1 1 1 1 1 1 1		4 8 1 8 1 1 1 1	Initial Potential s Cond. cf/d) (bbls/d)	
Exhibit Prepare Case	•	36 778 745 725	243 1,041 207	660 80	<u>Cum Prod. @</u> Gas (mmcf)	
2 2d by: JSB 5894		33 2,803 1,741 2,034	604 6,420	1,659 963	1/1/77 Cond. (bbls)	
3/29/77		 83 114 55	28 138 16	5 ⁸ 3	Avg. Rate 1976 Gas (mcf/d)	

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:

5894 CASE NO

Order No. R-<u>5414</u>

APPLICATION OF <u>CONSOLIDATED OIL & GAS</u>, INC. FOR AN UNORTHODOX GAS WELL LOCATION, RIÖ ARRIBA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

dr/

This cause came on for hearing at 9 a.m. on <u>April 6</u> at Santa Fe, New Mexico, before Examiner <u>Daniel S. Nutter</u> , 19<u>77</u>

day of April NOW, on this _, 19<u>77__</u>, 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, <u>Consolidated Oil & Gas, Inc.</u>, seeks for its Jicarilla Well No. 5 at a point approval of an unorthodox gas well location 790 feet from the <u>South</u> line and <u>1850</u> feet from the <u>East</u> line of Section <u>34</u>, Township __, Range <u>3</u> West __, NMPM, to test the 26 North Mesaverde formation, <u>Blanco-Mesaverde</u> Pool. Rio Arriba County, New Mexico.

(3) That the E/2 of said Section 34 is to be dedicated to the well.

(4) That a well at said unorthodox location will better enable applicant to produce the gas underlying the proration unit.

(5) That no offset operator objected to the proposed unorthodox location.

-2-Case No. 5894 Order No. R-

(6) That approval of the subject application will afford the applicant the opportunity to produce its just and equitable share of the gas in the subject pool, will prevent the economic loss caused by the drilling of unnecessary wells, avoid the augmentation of risk **axisms** arising from the drilling of an excessive number of wells, and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That an unorthodox gas well location for the Mesaverde *Consolideted Oil Cass, Inc., 34* formation is hereby approved for <u>applicant's</u> Jicarilla Well No. 5 to be located at a point 790 feet from the South line and 1850 feet from the East line of Section 34, Township 26 North, Range 3 West, NMPM, Blanco Mesaverde Pool, Rio Arriba County, New Mexico.

(2) That the E/2 of said Section 34 shall be dedicated to the above-described well.

(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.

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