CASE 7069: ANADARKO PRODUCTION COMPANY
FOR AN UNORTHODOX GAS WELL LOCATION, EDDY
COUNTY, NEW MEXICO

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# CASE NO.

7069

APPlication,
Transcripts,

Small Exhibits,

EIC.



## STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

November 10, 1980

GOVERNOR

LARRY KEHOE
BECRETARY

POST OFFICE BOX 2009 STATE LAND OFFICE BUILDING BANTA FE. NEW MEXICO 87501 (503) 827;2434

Mr. Thomas Kellahin Kellahin & Kellahin Attorneys at Law Post Office Box 1769 Santa Fe, New Mexico CASE NO. 7069 ORDER NO. 8-6516

Applicant:

Anadarko Production Company

Dear Sir:

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

Tours very truly,

JOE D. PAMEY

Director

JDR/fd

Copy of order also sent to:

Hobbs OCD X
Artesia OCD X
Aztec OCD

Other

Manager to the second second

#### 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 ND. 7069 Order No. R-6516

APPLICATION OF ANADARKO PRODUCTION COMPANY FOR AN UNORTHODOX GAS WELL LOCATION, EDDY COUNTY, NEW MEXICO.

#### ORDER OF THE DIVISION

#### BY THE DIVISION:

1980, at Santa Fe, New Mexico, before Examinar Daniel S. Nutter.

NOW, on this 6th day of November, 1980, the Division Director, having considered the testimeny, the record, and the recommendations of the Examiner, and being fully advised in the Dremises.

#### FINDS'2

- (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, Anaderko Production Company, seeks approval of an unorthodox gas well location 660 feet from the South line and 660 feet from the East line of Section 4, Township 19 South, Range 25 East, NMPM, to test the Morrow formation, Eddy County, New Mexico.
- (3) That the 3/2 of said Section 4 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 offeet operator objected to the proposed un-

Case No. 7069 Order No. R-6516

(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 the application of Anadarko Production Company for an unorthodox gas well location for the Morrow formation is hereby approved for a well to be located at a point 660 feet from the East line of Section 4, Township 19 South, Range 25 East, NMFM, Eddy County, New Moxico.
- (2) That the S/2 of said Section 4 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 Division may does necessary.

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

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

JOE D. RAMEY

SEAL

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MD Nitimmen: The hearing will come to 3 order, please. The first case will be Case 7069. MR. PEARCE: Application of Anadarko 6 Production Company for an unorthodox gas well location in Eddy County, New Mexico. MR. KELLAHIN: I'm Tom Kellahin of Santa 9 10 Fe, New Mexico, appearing on behalf of the applicant, and I 11 have one witness. 12 13 (Witness sworn.) 15 RICHARD ERICKSON 16 being called as a witness and being duty sworn upon his oath, 17 testified as follows, to-wit: 18 19 20 DIRECT EXAMINATION 21 BY MR. KELLAHIN: 22 Would you please state your name and 23 your occupation? 24 My name is Richard Erickson. 25 ployed by Anadarko Production Company as a geological engineer 26 27 Mr. Erickson, have you previously 28 testified before the Division and had your qualifications as

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· <u> </u>	an expert witness accepted and made a matter of record?
3	A. Yes.
4	Q Have you made a study of the facts sur-
<b>5</b>	rounding this particular application?
6	λ. Yes.
7 	MR. KELLAHIN: We tender Mr. Erickson
	as an expert witness.
9 .	
10	MR. NUTTER: Mr. Erickson is qualified.
11	Q. Mr. Erickson, would you refer to Exhibit
12	Number One and identify that?
13	A. Exhibit Number One is a land plat of
	the area, showing Anadarko's acreage colored in yellow and
15	
16	the well in question is the green dot.
17 ,	© Would you indicate for us the purpose
18	of the application?
19	A. The purpose of the application is for
20	an unorthodox location for a Morrow gas well.
21	Q And what will be the footage location?
22	A. The location is 660 feet from the south
23	line, 660 feet from the east line of Section 4.
24	Q. What portion of Section 4 will be dedi-
2 <i>)</i> 26	cated to the Morrow well?
27	A. The south half.
28	Q The well, then, will be unorthodox in

zone for which you intend to drill? Would you identify or explain to us 5 your meaning of gross sand Isopach? The gross sand Isopach is just an Iso-8 pach of all the sands being in the Morrow B zone. 9 no porosity cutoff to the sand. 10 Would you confine yourself to the several 11. sections around the proposed location and show us which of 12 the wells you've used as control wells to draw the gross sand 13 Isopach? 14 Okay, In Section 4 I used the well in 15 the southeast quarter. In Section 3, the well in the south-16 17 west quarter. Section 10, both wells in Section 10. The 18 well in the northeast quarter of Section 9 and the southwest 19 quarter of Section 9, and the well in the very, very northeast 20 quarter of Section 8. 21 I'd like for you to give us some in-22 formation on some of these wells. First of all, if you'll 23 identify for us the well in Section 4 in the south half. 24 The well in the -- you want the name of 25 26 the well? 27 Yes, who's the operator of the well and 28 what's the name?

1	9
2	A. Yes, I have the figure on that, That
3	well has made as of 4-80, 1.66 hillion cubic feet,
4	Q This well was originally completed, T
5	believe you said, in 172?
6 7	A. In I think that's right. Let me look, '72
8	yes.
9	Q Why would you not move to a standard
10	location offsetting that well?
11	A. Wouldn't move to a standard location
12	because we will be directly offsetting that well and we would
13	be within their radius of drainage.
14	Q. You said you didn't have any of the
16	cumulative production figures on the well in the northeast
10 17	corner of Section 8. Do you have any knowledge concerning
18	the productivity of that well?
19	A. Very low productive well and it has a
20	very small cumulative.
21	Q Would you turn to Exhibit Number Five,
22	which is your A-D cross section? Would you identify your
23	cross section for us?
24 25	A. Exhibit Five is an A-D cross section,
26	my A-D cross section. It goes from the well on the northeast
27	quarter of Section 8 to the dry hole in the southeast quarter
28	of Section 4, to the well in the southwest quarter of Section

1	
7	Tt shows the Morrow only,
3	% Where will your proposed location fall
4	on the cross section?
5	A Roughly between the second and third
6 7	wells.
8	Q Is there any other information on Exhibit
9	Number Five that you'd like to draw our attention to?
10	Lt shows, T think, something that's im-
-11	portant. The dry hole in the southeast quarter of Section 4
12	was tested in the Morrow and did indicate some gas production,
13	but at uneconomic rates at the time.
14	O Did I understand you correctly that you
15	have indicated on the cross section the Morrow B sand only?
16	A. All the Morrow sands are in here, but
17 18	I've only concerned myself basically with the B sand, yes.
19	Q And how how would we identify the
20	B sand, then, on the cross section?
21	A. It's indicated on the left side.
22	Q All right. All right, sir, would you
23	turn to Exhibit Number Six now and identify that?
24	A. Exhibit Six is my cross section B-B'.
25	This is a north/south cross section going from the well on.
26	the southeast quarter of Section 4 to the well on the northeast
27	
28	quarter of Section 9 to the well in the southwest quarter of

11 2 Section 9 to a well in the northwest quarter of Section 16, Where will the proposed location fall on the cross section? ₹5 Ä. 🕝 Between the first and second wells on 6 the left side. 7 Are there any particular points you'd 8 9 like to draw attention to with regards to this exhibit? 10 This -- this cross section shows the 11 development of the sand that we are attempting to drill into 12 and it shows its presence in the three wells to the south, 13 but not in the well in the southeast quarter. 14 Based upon your study, Mr. Erickson, do 15 you have an opinion as to whether or not the proposed unortho-16 17 dox location is the optimum location from which to drain this 18 proration unit? 19 I believe it is. 20 And do you have an opinion as to whether 21 or not the proration unit, the south half of Section 4, is 22 reasonably productive of Morrow gas from the Morrow B zone? 23 I believe it will be, yes. 24 Were Exhibits One through Six prepared 25 26 by you or compiled under your direction and supervision? 27 Yes. 28 And in your opinion will approval of

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	2	this application he in the best interests of conservation,
1. (1. pr. 1). 1. (1. pr. 1).	3	prevention of waste, and protection of correlative rights?
	4	A. Yes:
	6	Okay.
	7	MR. KELLAHIN: We move the introduction
	8	of Exhibits One through Six.
	9	MR. NUTTER: Applicant's Exhibits One
	10	through Six will be admitted in evidence.
	11	Are there any questions of Mr. Erickson?
	12	He may be excused.
	13	Do you have anything further, Mr.
9		Ķēliailīgi?
	16	MR. KELLAHIN: No, sir.
	17	MR. NUTTER: Does anyone have anything
	18	they wish to offer in Case Number 7069?
	19	We'll take the case under advisement.
	20	
	21	(Hearing concluded.)
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	23	
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CERTIFICATE

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I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing 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.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Care No. 7069 heard by me on 10/29 1980.

Oil Conservation Division

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		12	EXHIBITS	
		13		
		14		
		( human)	Applicant Exhibit One , Plat	1
	kuis 12 <b>2</b> 22/15/20 16/50 20 3 3 3 4 5 5 7 7 7	15		
			Applicant Exhibit Two, Structure Map	
		16		
		17	Applicant Exhibit Three, Isopach	
			[[문항] [[문항] - 10 [[] [[] [[] [[] [[] [] [] [] [[] [] []	-
		18	Applicant Exhibit Four, Map	:
			이 성공 등이 그 사이 있는데, 이 것 같아 하는 사이 사람들이 하는데 하는데 점점 중국 이름다.	
		19	Applicant Exhibit Five, Cross Section	
		20	네트 [1882] [1882] - 그리고 살아보고 살아보는 그리고 살아보는 그리고 살아보는 그리고 없는데 그리고 있다.	
		40	Applicant Exhibit Six, Cross Section	
		21	PP 등도 지내되었다. 이 이 그는 모든 하는 것은 그는 이 보고 한 바람들은 당시 라이트 등을 다 보다.	d
			#요하는 마이지 않는 요즘이 되었다고 하하는 보고 말이 요한 바람이라는 말로 봤다고 모르다.	. S.
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		<b>25</b>	# 12 : 이 인터 10 : 10 : 10 : 10 : 10 : 10 : 10 : 10	
		24		-
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		27		Swa
		28		<i>.</i>
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2 MR. NUTTER. The hearing will come to 3 .. order, please. The first case will be case 7009. 5 MR. PEARCE: Application of Anadarko Production Company for an unorthodox gas well location in Eddy County, New Mexico. 8 MR. KELLAHIN: I'm Tom Kellahin of Santa 10 Fe, New Mexico, appearing on behalf of the applicant, and I have one Withess. 12 13 (Witness sworn.) 14 15 RICHARD ERICKSON 16 being dalled as a witness and being duly sworn upon his oath, 17 18 testified as follows, to-wit: 19 20 DIRECT EXAMINATION 21 BY MR. KELLAHIN: 22 Would you please state your name and 23 your occupation? 24 My name is Richard Erickson. I'm em-25 ployed by Anadarko Production Company as a geological engineer. 26 27 Mr. Erickson, have you previously 28 testified before the Division and had your qualifications as

1 zone for which you intend to drill? Yes. Would you identify or explain to us your meaning of gross sand Isopach? 6 The gross sand Isopach is just an Isopach of all the sands being in the Morrow B zone. There's 9. no porosity cutoff to the sand. 10 Would you confine yourself to the several 11 sections around the proposed location and show us which of 12 the wells you've used as control wells to draw the gross sand 13 Isopach? Okay. In Section 4 I used the well in 15 16 the southeast quarter. In Section 3, the well in the south-\$7. west quarter. Section 10, both wells in Section 10. The 18 well in the northeast quarter of Section 9 and the southwest 19 quarter of Section 9, and the well in the very, very northeast 20 quarter of Section 8. 21 I'd like for you to give us some in-22 formation on some of these wells. First of all, if you'll 23 identify for us the well in Section 4 in the south half. 24 25 The well in the -- you want the name of 26 the well? 27 Yes, who's the operator of the well and what's the name?

2 Man bacca upon your aridy of the gross 3 sand Isopach, Mr. Erickson, do you have a conclusion as -- or an opinion about the proposed unorthodox location? I think we'll anticipate picking up 6 approximately 40 feet of gross sand. 7 I'm not sure how much actual net pro-8 ductive sand that would be but --₹9 10 Why would you not seek to move the loca-11 tion generally to the west? 12 Because I believe we would be getting 13 out of the sand, the good productive sand, by going to the 14 west. 15 All right, sir, if you'll turn to Exa 16 hibit Number Four, then, and identify that. 17 Exhibit Number Four shows all the wells 18 that have gone to the Morrow in the immediate area. Wells 19 20 that were Morrow completions are shown in red and wells that 21 were dry holes in the Morrow are shown in orange. 22 Do you have any cumulative production 23 figures on the well in the northeast corner of Section 8? 24 No, I don't, not on that one. 25 All right, and how about your cumulative 26 production figures on the Faskin well in the north half of 27 28 Section 9?

1 3	LU
2	3. It shows the Morrow only.
3	Q Where will your proposed location fall
5	on the cross section?
6	A Roughly between the second and third
- <b>7</b> -	wells.
8	Q Is there any other information on Exhibi
9	Number Five that you'd like to draw our attention to?
10	A It shows, I think, something that's im-
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19	And how how would we identify the
20	B sand, then, on the cross section?
21	A It's indicated on the left side.
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the left side.  Are there any particular points you' like to draw attention to with regards to this exhibit?  This country this cross section shows the development of the sand that we are attempting to drill in and it shows its presence in the three wells to the south but not in the well in the southeast quarter.  Based upon your study, Mr. Erickson, you have an opinion as to whether or not the proposed unor dox location is the optimum location from which to drain a proration unit?  A I believe it is.  And do you have an opinion as to who or not the proration unit, the south half of Section 4, is reasonably productive of Morrow gas from the Morrow B zone A I believe it will be, yes.  Were Exhibits One through Six preparation by you or compiled under your direction and supervision?  A Yes.		•
on the cross section?  A. Between the first and second wells of the left side.  Between the first and second wells of the left side.  Are there any particular points you like to draw attention to with regards to this exhibit?  This — this cross section shows the development of the sand that we are attempting to drill in and it shows its presence in the three wells to the south but not in the well in the southeast quarter.  Based upon your stwdy, Mr. Erickson, you have an opinion as to whether or not the proposed unor dox location is the optimum location from which to drain to proration unit?  A I believe it is.  And do you have an opinion as to whe or not the proposed unor or not the proration unit, the south half of Section 4, is reasonably productive of Morrow gas from the Morrow B zone A I believe it will be, yes.  Were Exhibits One through Six preparation by you or compiled under your direction and supervision?  A Yes.	2	Section 9 to a well in the northwest quarter of Section 16.
on the cross section?  A. Between the first and second wells of the left side.  B. Are there any particular points you'le like to draw attention to with regards to this exhibit?  This — this cross section shows the development of the sand that we are attempting to drill in and it shows its presence in the three wells to the south but not in the well in the southeast quarter.  Based upon your study, Mr. Erickson, you have an opinion as to whether or not the proposed unor dox location is the optimum location from which to drain in proration unit?  A. I believe it is.  And do you have an opinion as to who or not the proration unit, the south half of Section 4, is reasonably productive of Morrow gas from the Morrow B zone.  A. I believe it will be, yes.  Were Exhibits One through Six preparation by you or compiled under your direction and supervision?  A. Yes.	3	
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Are there any particular points you'  like to draw attention to with regards to this exhibit?  This — this cross section shows the development of the sand that we are attempting to drill in and it shows its presence in the three wells to the south but not in the well in the southeast quarter.  Based upon your study, Mr. Erickson, you have an opinion as to whether or not the proposed unou dox location is the optimum location from which to drain to proration unit?  A I believe it is.  And do you have an opinion as to whe or not the proration unit, the south half of Section 4, is reasonably productive of Morrow gas from the Morrow B zone A I believe it will be, yes.  A Were Exhibits One through Six preparate by you or compiled under your direction and supervision?  A Yes.	6	A. Between the first and second wells on
11 like to draw attention to with regards to this exhibit?  12	7	the left side.
This cross section shows the development of the sand that we are attempting to drill in and it shows its presence in the three wells to the south but not in the well in the southeast quarter.  Description as to whether or not the proposed unor dox location is the optimum location from which to drain a proration unit?  A I believe it is.  Description as to what an opinion as to who or not the proration unit, the south half of Section 4, is reasonably productive of Morrow gas from the Morrow B zone A. I believe it will be, yes.  Description and supervision?  A Yes.	8	Are there any particular points you'd
development of the sand that we are attempting to drill in and it shows its presence in the three wells to the south but not in the well in the southeast quarter.  15	9	like to draw attention to with regards to this exhibit?
and it shows its presence in the three wells to the south  but not in the well in the southeast quarter.  Description as to whether or not the proposed unor  dox location is the optimum location from which to drain a  proration unit?  A I believe it is.  A I believe it is.  A I believe it is.  The reasonably productive of Morrow gas from the Morrow B zone  A I believe it will be, yes.  Were Exhibits One through Six preparate  by you or compiled under your direction and supervision?  A Yes.	10	htsthis-cross-section-shows the
and it shows its presence in the three wells to the south but not in the well in the southeast quarter.  0 Based upon your study, Mr. Erickson, you have an opinion as to whether or not the proposed unou dox location is the optimum location from which to drain of proration unit?  18  19  A I believe it is.  20  21  22  23  24  A I believe it will be, yes.  A I believe it will be, yes.  A Were Exhibits One through Six preparation of the provision?  A Yes.	11	development of the sand that we are attempting to drill into
but not in the well in the southeast quarter.  0 Based upon your study, Mr. Erickson, you have an opinion as to whether or not the proposed unor dox location is the optimum location from which to drain a proration unit?  18 proration unit?  19 A. I believe it is.  10 And do you have an opinion as to whether 21 or not the proration unit, the south half of Section 4, is 22 reasonably productive of Morrow gas from the Morrow B zone 23 A. I believe it will be, yes.  24 Q. Were Exhibits One through Six preparation by you or compiled under your direction and supervision? 26 by you or compiled under your direction and supervision? 27 A. Yes.		and it shows its presence in the three wells to the south,
Based upon your study, Mr. Erickson, you have an opinion as to whether or not the proposed unou dox location is the optimum location from which to drain a proration unit?  A. I believe it is.  And do you have an opinion as to whe or not the proration unit, the south half of Section 4, is reasonably productive of Morrow gas from the Morrow B zone A. I believe it will be, yes.  A. Were Exhibits One through Six preparation by you or compiled under your direction and supervision?  A. Yes.	13	but not in the well in the southeast quarter.
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dox location is the optimum location from which to drain operation unit?  19  A. I believe it is.  20  Q. And do you have an opinion as to who or not the proration unit, the south half of Section 4, is reasonably productive of Morrow gas from the Morrow B zone  A. I believe it will be, yes.  Q. Were Exhibits One through Six preparation by you or compiled under your direction and supervision?  A. Yes.		
proration unit?  A. I believe it is.  O. And do you have an opinion as to who or not the proration unit, the south half of Section 4, is reasonably productive of Morrow gas from the Morrow B zone A. I believe it will be, yes.  O. Were Exhibits One through Six preparation by you or compiled under your direction and supervision?  A. Yes.	16	you have an opinion as to whether or not the proposed unortho-
19 20 Q And do you have an opinion as to who 21 or not the proration unit, the south half of Section 4, is 22 reasonably productive of Morrow gas from the Morrow B zone 23 A I believe it will be, yes. 25 Q Were Exhibits One through Six preparation 26 by you or compiled under your direction and supervision? 27 A Yes. 28	17	dox location is the optimum location from which to drain this
20  Q. And do you have an opinion as to who 21 or not the proration unit, the south half of Section 4, is 22 reasonably productive of Morrow gas from the Morrow B zone 23 A. I believe it will be, yes. 24 Q. Were Exhibits One through Six preparation 25 by you or compiled under your direction and supervision? 27 A. Yes.	18	proration unit?
or not the proration unit, the south half of Section 4, is reasonably productive of Morrow gas from the Morrow B zone A. I believe it will be, yes.  O. Were Exhibits One through Six preparation by you or compiled under your direction and supervision?  A. Yes.	19	A. I believe it is.
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Q. Were Exhibits One through Six preparate by you or compiled under your direction and supervision?  A. Yes.	23	[1] 등을 보고했습니다. (Head Head Control of the Control o
by you or compiled under your direction and supervision?  A. Yes.	24	A. I believe it will be, yes.
27 Å. Yes.	25	Q. Were Exhibits One through Six prepared
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	28	Q And in your opinion will approval of

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	3	this application be in the best interests of conservation,
	4	prevention of waste, and protection of correlative rights?
	5	Yes.
	6	Q Okay.
	7	MR. KELLAHIN: We move the introduction
	8	of Exhibits One through Six.
	9	MR. NUTTER: Applicant's Exhibits One
	10	through Six will be admitted in evidence.
	11	Are there any questions of Mr. Erickson?
	12	He may be excused.
	13	Do you have anything further, Mr.
)	14	e a tradición de la companya de la Anno 1700 de la companya de la comp
	15	Kellahin?
	16	MR. KELLAHIN: No, sir.
	17	MR. NUTTER: Does anyone have anything
	18	they wish to offer in Case Number 70697
\$ \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	19	We'll take the case under advisement.
	20 21	- 프로마스 시간에 보이는 그 이 가는 사람들이 보고 있는 것이 되었다. 그 사람들이 되었다. 
	21	(Hearing concluded.)
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#### CERTIFICATE

I SALLY W ROYD, C.S.R. DO HERERY CERTIFY that the foregoing Transcript of Hearing before the Oil Conserva tion 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.

SALLY W. BOYD, C.S.F.

12. 1 Box 153-B

Santa Fe, New Mexico 87501

Phyne (305) 455-7409 11 12 13 14 15 16 17 19 20 21

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I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2069. heard by me gn\_

, Examiner Oil Conservation Division

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BEFORE	EXAMINER	NUTTER
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	EXHIBIT NO.	1
CASE NO	7069	Et .



BOYD PROSPECT
Eddy County, NM
Land Plat

Interpretation By:

Date: 10-80 Scale: 1" = 4000'

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Exhibit 1 Cuse >069

BOYD PROSPECT Eddy County, NM Land Plat

Interpretation By:
Date: 10-80

Scale: 1" = 4000

- CASE 7065: Application of El Paso Natural Cas Company for twelve non-standard proration units, Rio Arriba County, New Mexico. Applicant, in the above-atvied cause, assets approved for the excelling the non-standard proration units for Pictured Cliffs wells to be drilled in the W/Z of partial Sections 6, 7, 18, 19, 30 and 31 of Township 30 North, Range 4 West, and four non-standard proration units for Pictured Cliffs wells in partial Sections 7, 8, and 9 of Township 28 North, Range 4 West.
- CASE 7066: Application of Conoco Inc. for a dual completion, Les County, New Mexico.

  Applicant, in the above-styled cause, seeks approval for the dual completion of its Britt "B" Well No.

  27 located in Unit C of Section 15, Township 20 South, Kange 37 East, to produce oil from the Weir
  Drinkard or an undesignated Blinebry pool and an undesignated Abo pool.
- CASE 7067: Application of Conoco Inc. for a dual completion, Eddy County, New Mexico.

  Applicant, in the above-styled cause, seeks approval for the dual completion of its Dagger Draw Com.

  Well No. 4 located in Unit J of Section 25, Township 19 South, Range 24 East, to produce oil from the North Dagger Draw-Upper Penn Pool and gas from an undesignated Morrow pool.
- CASE 7068: Application of Conoco Inc. for a dual completion and an unorthodox well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its Penny Federal Com. Well No. 2 at an unorthodox location 1650 feet from the North line and 1980 feet from the East line of Section 23, Township 20 South, Range 24 East, to produce oil from the South Dagger Draw-Upper Penn Pool and gas from an undesignated Morrow pool.
- CASE 7069: Application of Ansdarko 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 a Moses toll will and East lines of Section 4, Township 19 South, Range 25 East, the S/2 of said Section 4 to be dedicated to the well.
  - CASE 7070: Application of Tesoro Petroleum Corporation for a pilot caustic flood project, McKinley County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a one-acre pilot caustic flood project in the Hospah Field by the injection of caustic fluid into the Seven Lakes Sand of the Upper Hospah Field at an approximate depth of 300-500 feet through four injection wells in Unit K of Section 1, Township 17 North, Range 9 West.
  - CASE 7071: Application of Jake L. Hamon for an unorthodox well location and simultaneous dedication, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the simultaneous dedication of a 640-acre proration unit comprising all of Section 17, township 20 South, Range 36 East, North Osudo-Hollow Fool, to its Amerada Federal Well No. 2 located in Unit F and its Amerada Federal Well No. 3, to be drilled at an unorthodox location 1650 feet from the South line and 660 feet from the East line of said Section 17.
  - CASS 6668: (Reopened and Readvertised)

In the matter of Case 6668 being reopened pursuant to the provisions of Order No. R-6139 which order promulgated temporary special rules and regulations for the South Culebra Bluff-Bone Spring Pool in Eddy County, New Mexico, including a provision for 80-acre spacing units. Operators in said pool may appear and show cause why the pool should not be developed on 40-acre spacing units.

CASE 7005: (Continued from September 17, 1980, Examiner Hearing)

Application of Sol West III for an NGPA determination, Eddy County, New Mexico.

Applicant, in the above-styled cause, seeks a new onshore reservoir determination in the Horrow formation for his Turkey Track-Horrow Sand Well No. 1 in Unit I of Section 26, Township 18 South, Range 28 East.

- CASE 7072: Application of Enserch Exploration, Inc. for pool creation and special pool rules, Roosevelt County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new Pennsylvanian oil pool for its Enserch Amoco State Well No. 1 located in Unit L of Section 16, Township 4 South, Range 33

  East, and the promulgation of special pool rules therefor, including a provision for 80-acre spacing.
- CASE 7073: Application of Enserch Exploration, Inc. for pool creation, temporary special pool rules, and assignment of a discovery allowable, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new Fusselman oil pool for its J. G. O'Brien Well No. 1 located 1980 feet from the North line and 660 feet from the West line of Section 31, Township 7 South, Range 29 East, with special rules therefor, including provisions for 80-acre spacing, a limiting gas-oil ratio of 3000 to one and special well location requirements providing for the drilling of wells within 150 feet of the cepter of a quarter-quarter section. Applicant further seeks approval of a 74.24-acre providing and spacing unit and a discovery allowable for said J. G. O'Brien Well No. 1.

### KELLAHIN and KELLAHIN Attorneys at Law

W. Thomas Kellahin Karen Aubrey Post Office Box 1769
Santa Fe, New Mexico 87501

Telephone 982-4285 Area Code 505

September 24, 1980

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

Case 7069

Dear Joe:

Please set the enclosed unorthodox well application for hearing on the Examiner docket for October 29, 1980.

W. Thomas Kellahin

cc: Mr. Dan Kernaghan Mr. Irley Bonnette

WTK: jm

SEP 2 6 1980

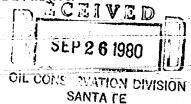
OIL CONS EVATION DIVISION SANTA FE

#### STATE OF NEW MEXICO

#### DEPARTMENT OF ENERGY AND MINERALS

OIL CONSERVATION DIVISION

IN THE MATTER OF THE APPLICATION OF ANADARKO PRODUCTION COMPANY FOR APPROVAL OF AN UNORTHODOX WELL LOCATION, EDDY COUNTY, NEW MEXICO



Case 7069

#### APPLICATION

COMES NOW ANADARKO PRODUCTION COMPANY and applies to the Oil Conservation Division of New Mexico for authority to drill a Morrow well at an unorthodox well location 660 feet from the South and East lines of Section 4, T19S, R25E, NMFM, Eddy County New Mexico and in support thereof would show the Division:

- 1. Applicant is the owner of the right to drill on the S/2 of Section 4, T19S, R25E, NMPM, Eddy County New Mexico.
- 2. Applicant proposes to drill a Morrow test to a depth of approximately 9400 feet at an unorthodox location 660 feet from the South and East lines of Section 4 and to dedicate the S/2 of said Section the subject well.
- 3. That applicant's requested location will result in the recovery of hydrocarbons that would not otherwise be recovered.
- 4. That approval of this application will not impair correlative rights and will prevent waste.

WHEREFORE, Applicant requests that this application be set for hearing before the Division's examiner and that after notice and hearing the Division enter an Order approving the application as requested.

KELLAHIN & KELLAHIN

V. Thomas Kellahin

P.O. Box 1769

Santa Fe. New Mexico 87501

(505) 982-4285

PRAFT dr/

location.

#### STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

OIL CONSERVATION DIVISION IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING: CASE NO. ORDER NO. R- (05/6 APPLICATION OF ANADARKO PRODUCTION COMPANY FOR AN UNORTHODOX GAS WELL LOCATION, EDDY COUNTY, NEW MEXICO. BY THE DIVISION: This cause came on for hearing at 9 a.m. on October 29 1980 , at Santa Fe, New Mexico, before Examiner Daniel S. Nutter NOW, on this \_\_\_\_\_day of \_\_\_\_\_, 19 80 , 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. That the applicant, Anadarko Production Company seeks approval of an unorthodox gas well location feet from the South line and 660 feet from the East line of Section 4 , Township 19 South Range 25 East , NMPM, to test the formation, Pool, County, New Mexico. (3) That the 5/2 of said Section dedicated to the well. (4) That a well at said unorthodox location will better enable applicant to produce the gas underlying the proration unit.

That no offset operator objected to the proposed unorthodox

-2- Case No. 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 arising from the drilling
of an excessive number of wells, and will otherwise prevent waste and protect
correlative rights.
IT IS THEREFORE ORDERED:  He are likeding of Anadocke Production Company for
(I) That an unorthodox gas well location for the Morrow
formation is hereby approved for a well to be located at a point 660
feet from the South line and 660 feet from the East
line of Section 4 , Township 19 South , Range 25 East
line of Section 4 , Township 19 South , Range 25 East
NMPM,
NMPM, Pool, Eddy County, New Mexico.
NMPM,
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NMPM, Pool Eddy County,  New Mexico.  (2) That the S/2 of said Section 4 shall be dedicated to the above-described well.  (3) That jurisdiction of this cause is retained for the entry of such
NMPM, Pool, Eddy County,  New Mexico.  (2) That the S/2 of said Section 4 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 Division, may deem necessary.
NMPM, Pool, Eddy County,  New Mexico.  (2) That the S/2 of said Section 4 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 Division, may deem necessary.

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Exhibit 1 Case 2066



BOYD PROSPECT Eddy County, NM Land Plat

Interpretation Byl.
Date: 10-80

Scale: 1" = 4000'