CASE 7481: ARCO OIL AND GAS COMPANY FOR AMENDMENT OF ORDER NO. R-6792, LEA COUNTY, NEW MEXICO

DOCKET MAILED

Date 2/5/92

CASE NO.

7481

APPlication, Transcripts, Small Exhibits,

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1 MR. STAMETS: We'll call next Case Number 7480. 3 MR. PEARCE: Application of ARCO Oil & 5 Gas Company for pool creation, Lea County, New Mexico. 6 MR. CARR: May it please the Examiner, 7 my name is William F. Carr, with the law firm Campbell, Byrd 8 and Black, P. A., Santa Fe, appearing on behalf of the applicant. 10 We would request that you also call 11 Case 7481 and consolidate the cases for the purpose of 12 hearing, inasmuch as they involve the same well and the same 13 acreage. 14 MR. STAMETS: If there is no objection, 15 we will now call Case 7481 and consolidate them for purposes 16 of testimony. 17 MR. PEARCE: Case 7481. Application of 18 ARCO Oil & Gas Company for amendment of Order No. R-6792, 19 Lea County, New Mexico. 20 MR. CARR: I have two witnesses who 21 need to be sworn. 22

23

(Witnesses sworn.)

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Are you familiar with the Custer Wells

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No. 1 Well?

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1		.
2	Λ.	Yes, I am.
3	Q.	Are you also familiar with the subject
4	acreage?	
5	A.	Yes, I am.
6	Q	Are the witness' qualifications accept-
7	able?	
8		MR. STAMETS: They are.
9	Q	Will you briefly summarize the history
10	of the Custer Wel	ls No. 1 Well?
11	A.	If you will refer to Exhibit One, you'l
12	see an area map,	which shows the Custer Wells No. 1 with
13	its dedicated acr	eage outlined in red.
14		It also shows all the other wells com-
15	pleted in the Dev	onian in the Custer Field.
16		This will give you an idea of the area
17	we're talking abo	ut. And to bring us up to date, ARCO Oil
18	and Gas Company h	as recently drilled and completed the ARCO
19	Custer Wells No.	l as a Devonian gas well.
20		The surface location of the well is
21	1810 from the nor	th and 2164 from the west of Section 6,
22	Township 25 South	, Range 37 East, Lea County, New Mexico.
23		The well was perforated in the Devonian
24	formation, 9435 to	9482 measured depth, and completed in
25	January, 1982, af	ter acidizing with 11,000 gallons.

y

A calculated open flow potential of the well was 23.8 million cubic feet a day.

The attached Exhibit Two is a multipoint back pressure test for gas wells, showing the completion of this well. It gives the observed pressures and volumes.

The well was first drilled straight down and encountered the Woodford formation on the downthrown side of the fault. ARCO was granted permission to directionally drill the hole to a nonstandard location in the Devonian, so the well was plugged back to 6200 feet and sidetracked, resulting in successful completion mentioned above.

A hearing was held to set a limited allowable for the Custer Wells No. 1, resulting in an allowable limit 93 percent.

Conoco requested a de novo hearing to appeal the ruling, but while awaiting the hearing, evidence was developed which proved to Conoco that the completion in Custer Wells No. 1 was not in the same reservoir that was being produced in Conoco Wells B-1 No. 5.

Accordingly, attorneys for the two companies have executed a stipulation agreeing that production from present perforations in ARCO Custer Wells No. 1 does not affect production from Conoco Wells B-1 No. 5, and Conoco waives objection to a full allowable for Custer Wells No. 1.

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MR. CARR: Mr. Stamets, a copy of the stipulation entered between Conoco and ARCO is attached to the exhibits and has been marked for purposes of identification as Exhibit Number Nine, and we will ask that it be included in the record of this hearing.

It does provide that Conoco waives objection to production of the well without penalty and it also
imposes certain conditions on ARCO concerning any efforts to
complete the well in other Devonian horizons.

Q Now, Mr. Stokely, will you state briefly what ARCO is seeking with this application?

A. ARCO requests removal of the allowable penalty from its Custer Wells No. 1 and by virtue of the additional exhibits to follow, ARCO will seek to prove that the ARCO Custer Wells No. 1 is in a separate gas pool and requests that the Oil Conservation Commission grant ARCO an application for a new pool creation for the Custer Southeast Devonian Pool, to include Section 6, Township 25 South, Range 37 East, Lea County, New Mexico.

Exhibit Number Five is included and is an application for a new pool creation.

Exhibit Number Three, which you also have, is a log of the Custer Wells No. 1 with the formation tops and the perforations shown on the log.

 Mr. Stokely, will you now refer back to Exhibit Number One and review this exhibit for Mr. Stamets?

One, you will see several wells there and you will notice some numbers written by the wells. These numbers are bottom hole pressures of the wells and the dates that those bottom hole pressures were taken.

Summarized, the original bottom hole pressure of this formation waswhen the Shell State B-36 No. 1 was drilled in 1975, and it showed a bottom hole pressure of 4278 pounds.

In March, 1980, Conoco Wells B No. 5 was drilled, and it showed a 3369 pound bottom hole pressure, showing that the reservoir had reduced in pressure with the production of gas.

Later, in June of 1981, Shell State B Community No. 2 was completed and its bottom hole pressure was 2818 pounds. This indicated that all these wells were connected together in the same reservoir and that as production was taken from the reservoir, the pressure dropped in all the wells.

And at the bottom -- I mean at the Custer Wells No. 1, in January, 1982, just last month, this well was completed with 4490 pounds per square inch of bottom

hole pressure, which is higher than any pressure indicated at any time in the Custer Devonian Field.

This is pressure evidence that the two reservoirs are separate and not connected.

Q Will you now refer to what has been marked Exhibit Number Two and review this for the Examiner?

A. Exhibit Number Two, the back point -multipoint back pressure test, shows the completion data on
our well. It shows that it had a bottom hole -- I mean had
a open flow potential of 438 -- 23.8 million cubic feet a
day.

It shows the perforations, which I've pointed out on the log, and indicates that the well has been completed and tested and is ready to produce.

Q Will you now refer to Exhibit Number Four, which is the gas analysis, and review this for the Examiner?

A Exhibit Number Four is a collection of three pages stapled together, and it gives the gas analysis on the Custer Wells No. 1 and on the Devonian production from two of the other wells in the field.

You will notice in the lower righthand side of the page on each one, a red circle. This red circle indicates the hydrogen sulfide content, and it shows that the

Custer Wells No. 1 was tested and found to have no hydrogen sulfide content. It was a sweet gas well.

Both of the other wells contained hydrogen sulfide, 40 grains of hydrogen sulfide in the Conoco Wells B-5 -- B-1 No. 5, and 60 grains in the Shell State B Com, and this should be No. 2, it was not No. 1, but since sour gas is being produced in all the wells from the Custer Devonian Field and sweet gas is being produced from the Custer Wells No. 1, it is evidence that they are coming from a separate reservoir.

0. Mr. Stokely, were Exhibits One through Five prepared by you or can you testify as to their accuracy?

A. Yes.

MR. CARR: Mr. Stamets, at this time we would offer into evidence ARCO Exhibits One through Five.

MR. STAMETS: Exhibit Five is the Form

A. Yes, sir.

MR. STAMETS: Yes, these exhibits will

be admitted.

C-123?

MR. CARR: We would also like to offer the stipulation that was entered between the companies, which is marked as Exhibit Number Nine, which is the last exhibit.

1	11
2	MR. STAMETS: Yes, Exhibit Number Nine
3	will also be admitted.
4	MR. CARR: And I have nothing further
5	of this witness on direct.
6	MR. STAMETS: Are there any questions
7	of this witness? He may be excused at this time. We may
8	have some additional questions later.
9	MR. CARR: At this time I'd call Mr.
10	E. R. Douglas.
11	
12	E. R. DOUGLAS,
13	being called as a witness and being duly sworn upon his oath
14	testified as follows, to-wit:
15	
16	DIRECT EXAMINATION
17	BY MR. CARR:
18	Q Will you state your name and place of
19	residence?
20	A My name is E. R. Douglas and I reside
21	in Midland, Texas.
22	Q By whom are you employed and in what
23	capacity?
24	A I am a geologist for ARCO Oil and Gas
25	Company, located in Midland.

1	12
2	Q have you previously testified before
3	this Commission or one of its Examiners and had your cre-
4	dentials accepted and made a matter of record?
5	A. Yes, I have.
6	Q Are you familiar with the applications
7	filed on behalf of ARCO in each of these cases?
8	A. Yes, I am.
9	Q Are you familiar with the Custer Wells
10	Well No. 1 and the surrounding acreage?
11	A. Yes.
12	MR. CARR: Are the witness qualifica-
13	tions acceptable?
14	MR. STAMETS: They are.
15	Q Mr. Douglas, will you refer to what has
16	been marked for identification as ARCO Exhibit Number Six
17	and review this for Mr. Stamets?
18	A. Exhibit Number Six is a subsurface
19	structure map of the Custer Field area, contoured on the
20	top of the Devonian formation. The scale is one inch equal
21	1000 feet. The contour interval is 100 feet to the 7000
22	foot subsea contour and 500 feet below the 7000 foot sub-
23	sea contour.
24	The map is supported by seismic work
25	done in the area and conforms to the seismic interpretation.

ARCO Custer Wells No. 1, drilled in the northwest quarter of Section 6, 25 South, 37 East, and drilled to a depth of 10,319 feet in the Woodford shale. The hole was sidetracked to the west to reach a point 1775 feet from north and 1523 feet from west lines of Section 6, at a depth of 9450 feet in the Devonian. The vertical depth of the hole at the Devonian is 9350 feet, for a subsea depth of 6093 feet.

Exhibit Six shows the sidetracked hole to the west and the depth at which the Devonian was encountered.

At 9440 feet there was a gain of 150 barrels of mud in seven minutes. The well was shut in and reopened on a 3/8ths inch choke. It flowed gas at a rate of 7-million cubic feet of gas per day.

After conditioning mud, drilling continued with a total mud loss of 600 barrels in the Devonian.

Drilling continued to a depth of 13,060 feet in the Simpson, and at this measured depth the vertical depth is 12,830 feet.

A fish in the hole prevented drilling to the Ellenburger.

The drilling ceased and the hole was plugged back to 9494 feet to complete from the Devonian.

Exhibit Three is the electric log previously introduced by Mr. Stokely, and this shows the Devonian at 9430 feet.

Mr. Douglas, will you now refer to Exhibit Number Seven and review this for the Examiner?

Residue Report for the ARCO Custer Wells Nc. 1. This identifies the Devonian in the sidetracked hole between 9450 and 9500 feet. The 20 foot difference in depth between samples of cuttings and the electric log depth is due to time required for the cut samples to reach the surface.

Residue Research Laboratory of Midland, Texas, did the analysis.

Q Will you now review Exhibit Number Eight for the Examiner?

A Exhibit Number Eight is a cross section from west to east across the Custer Field structure. It shows the position of the ARCO Custer Wells No. 1 and the sidetracked hole to the structure.

The Devonian reservoir is colored in yellow. The reverse fault, thrust to the east, overrides the downthrown east block.

The section below the first Devonian was of normal sequence from the Mississippian to the Simpson.

A dipmeter run in the original hole measured east dip of

45 degrees in the Mississippian and Woodford sections.

These dips are expected to grow steeper in the section ap-

proaching the fault.

Due to the hole conditions at the time of logging the sidetracked hole, a dipmeter was not run to the total depth of the well.

The fault shown to the west displaces the formations about 200 feet. Other smaller faults possibly exist within the block that separate the Devonian reservoirs. The thrusting on the fault from west to east caused lesser faults in the uppermost part of the block.

The Devonian pay is a dolomite and chert section. The reservoir consists of secondary porosity and fracture porosity.

Q What conclusions can you reach from the data you've presented?

A It is a separate reservoir, as indicated by the structure map.

Would approval of this application impair the correlative rights of any other operator in the
area?

A. No.

Q Is there any way that approval of this application could result in the waste of hydrocarbons?

A. No.

By bottoming the well where you did,

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available to us are usually based on paleontology or insoluble residues.

Paleontology is the skeletal remains in the formation. In this case our lower sections in the Paleozoic do not have enough fossils to identify, so we use a method of insoluble residues, which means that the rock itself is reduced to those parts that will not dissolve. In other words, the carbonates are dissolved with acid, and those parts that remain are the telltale symbols of what that rock is.

So we have been able to make age determinations through an insoluble residue process of correlating between wells across the Permian Basin.

MR. STAMETS: Okay. Were any tests conducted in the second Devonian section penetrated in this we11?

No, there were no tests done at all because of the hole condition at the time.

MR. STAMETS: Do you have any indication based on logging or any other indications that might be productive?

It is possible that it could be productive and at this point we would not be able to say definitely one way or the other. We did not have any significant

1 2 shows while drilling through it. 3 HR. STAMETS: Even if it is productive, 4 based on your analysis here, it's not connected with the old 5 reservoir in any way, is it? 6 No. It is completely a separate block. A. 7 MR. STAMETS: Without drilling yet an-8 other sidetracked hole, is there any way that -- that ARCO 9 could achieve production from the original Devonian reser-10 voir in this Custer Wells well? And I'm speaking of --11 A. No. 12 MR. STAMETS: -- the original Custer 13 Devonian reservoir. 14 λ, Yes. 15 No, I don't feel that we could have. 16 MR. STAMETS: The stipulation in this 17 case requires that ARCO seek another order of the Oil Conser-18 vation Division before producing any other Devonian forma-19 tion out of this well. Based on what I see here, that 20 hardly seems necessary. 21 Is there any representative of Conoco 22 here to --23 MR. KELLAHIN: Yes, sir, it's necessary 24 for the settlement, Mr. Stamets. 25 MR. STAMETS: Whether or not it's tech-

. .

nically required, as a matter of agreement it's required.

MR. KELLAHIW: That's right, sir.

MR. CARR: And the idea is to be certain that once the penalty is waived in this producing horizon, that that isn't construed as a waiver of any other Devonian-of producing any other sand in the Devonian without at least giving Conoco the opportunity to come in and request that an appropriate penalty be imposed.

MR. STAMETS: Okay. I believe Mr. Stokely requested that the -- this new Devonian pool consist of the entire Section 6.

Dased on the structural map, which is what ever exhibit that is, it would appear that the west half of Section 6 is more properly the boundary of this new reservoir.

MR. STOKELY: Of course, this is based on information which can't be proved. The only way you can prove this is by drilling the well and we have no objection to limiting it, but we used Section 6 since this is the section that we're working in. That's the only reason for defining it that way. We don't really have a good way to say this is the limit.

MR. STAMETS: Any other questions of either of these two witnesse? They may be excused.

Have these other exhibits been offered? MR. CARR: If we didn't, we'd like to offer Six through Eight. MR. SUMMERS: And if I didn't approve them, they are approved and admitted. Anything further in this case? MR. CARR: Nothing further. MR. STAMETS: The case will be taken under advisement. (Hearing concluded.)

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CERTIFICATE

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.

July W. Boyd CSP

X, Examiner

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2480 748) heard by me on_

Oil Conservation Division

BRUCE KING GOZEMOR LARRY KEHOE SECRETARY

ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87501 (505) 827-2434

March 5, 1982

			7481				
Mr. William F. Carr Campbell, Byrd & Black	Re:	CASE NO. ORDER NO.	0 - 679 9				
Attorneys at Law Post Office Box 2208 Santa Fe, New Mexico		Applicant:					
		ARCU Oil	and Gas	Company			
Dear Sir:							
Enclosed herewith are two Division order recently e	copies entered i	of the abo in the subj	ve-refe ect case	renced			
Yours very truly,	-						
JOE D. RAMEY Director	- 19 - 1						
JDR/fd							
Copy of order also sent	to:						
Hobbs OCD X Artesia OCD X Aztec OCD		3					
Other							

BRUCE KING GOVERNOR LARRY KEHOE SECRETARY

ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

POST OFFICE BOX 2008 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 97501 ISOSI 027-2434

March 5, 1982

Mr. William F. Carr
Campbell, Byrd & Black
Attorneys at Law
Post Office Box 2208
Santa Fe, New Mexico

		7481	
Re:	CASE NO.	0. (700-44	
	ORDER NO.	R-6792-A	

Applicant:

ARCO Oil and Gas Company

Dear Sir:

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

JOE D. RAMEY
Director

JDR/fd

Copy of order also sent to:

Hobbs OCD X
Artesia OCD X
Aztec OCD

Other

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. 7481 Order No. R-6792-A

APPLICATION OF ARCO OIL & GAS COMPANY FOR AMENDMENT OF ORDER NO. R-6792, LEA COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on February 17, 1982, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 5th day of March, 1982, 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, Arco Oil and Gas Company, seeks the amendment of Division Order No. R-6792, which authorized the directional drilling of applicant's Custer Wells Well No. 1 to an unorthodox location in the Devonian and Ellenburger formations and imposed a production penalty in the Devonian.
- (3) That said Custer Wells Well No. 1 encountered a new source of gas supply in the Devonian formation in a fault block lying to the East of the Custer-Devonian Gas Pool, and separate therefrom, at a measured depth of from 9435 feet to 9482 feet in the side tracked hole.
- (4) That by stipulation the applicant and the offset operator have now agreed that the subject well is not affecting the offsetting property and applicant herein seeks removal of the penalty imposed in said Order No. R-6792 for so long as the well produces only from the present perforated interval in the Devonian formation as set out in Finding No. (3) above.

-2-Case No. 7481 Order No. R-6792-A

- (5) That suspension of the penalty provisions of said Order No. R-6792 for so long as the subject well is completed in that section of the Devonian formation described in Finding No. (3) above will permit the applicant to produce its share of the hydrocarbons from the Devonian Pool in which it is completed and will not cause waste nor result in violation of correlative rights.
- (6) That to assure continued protection of correlative rights, the applicant should be required to give notice to offset operators, by certified mail, and obtain an order from the Division prior to producing said Custer Wells Well No. 1 from any Devonian interval other than that described in Finding No. (3) above.

IT IS THEREFORE ORDERED:

(1) That the Production Limitation Factor in the Devonian formation and the "Special Rules and Regulations For The Application Of A 'Production Limitation Factor' To A Non-Prorated Gas Well" contained in "Further Ordered" Paragraphs (1), (2), and (3) of Division Order No. R-6792 are hereby suspended.

PROVIDED HOWEVER: that such suspension shall apply only so long as the Arco Oil and Gas Company Custer Wells Well No. 1 located in Unit F of Section 6, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico, remains completed in the Devonian interval from 9435 feet to 9482 feet in the side tracked hole.

PROVIDED FURTHER: that prior to recompletion of said Custer Wells Well No. 1 in any other Devonian interval the applicant shall give notice to offset operators, by certified mail, and shall obtain an order from the Division authorizing such recompletion.

(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 here designated.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

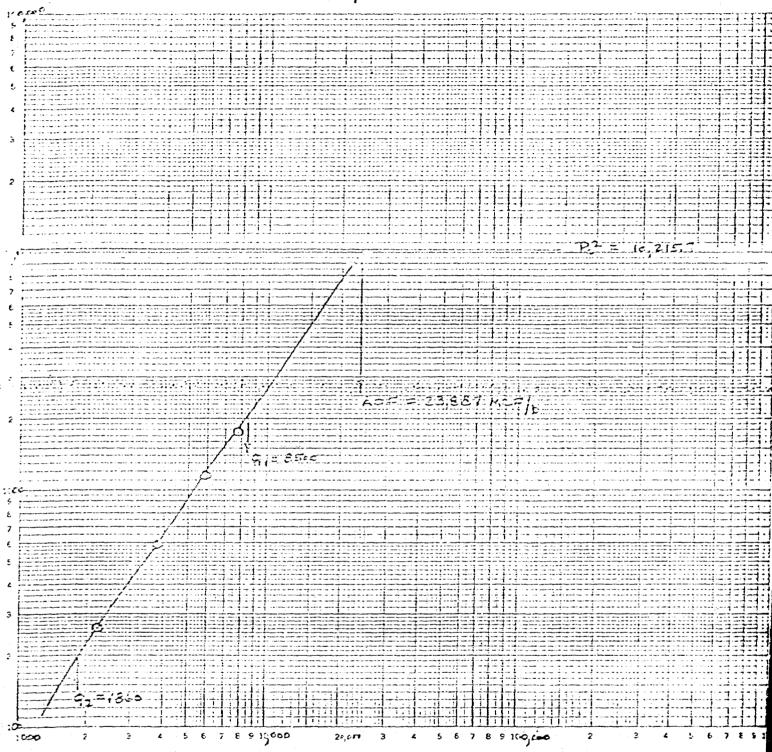
JOE D. RAMEY, Director

NEW MEXICO OIL CONCERVATION COMMISSION MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



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ARCOOLIGAS CO.
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UNDER SEC. 6, T255, R37E
LEA COUNTY
JAMUARY 11, 1982



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BEFORE EXAMINER STAMETS OIL CONSERVATION DIVISION

ARCO EXHIBIT NO. 2

CASE NO. 7480 - 7481

Submitted by STOKELY
Hearing Date 2/17/82

NEW-TEX P. O. BOX 1161 HOBBS, N.M. M240

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BEFORE EXAMINER STAMETS OIL CONSERVATION DIVISION

ARCO EXHIBIT NO. 4

CASE NO. 3480-7481

Submitted by STOKELY

Hearing Date 2/17/82

REQUEST FOR THE EXTENSION OF AN EXISTING POOL

OR

THE CREATION OF A NEW POOL

TO: The Oil Conscription Commission State of New Mexico	Date	January21, 19.82
TheARCO.011 & Gas.Company	Custer Wells	
Name of Operator	Name of Lease	
1010 Non	ith un	and 2164 (cc
1 Located 1810 feet from the Nor Well No.		
from the West line of 6	25\$	37E
from the West line of Section	Township	Range
is outside the boundaries of any pool producing from the s	same formation. On the basis of the infor	mation submitted here
with on form C-105, we hereby request that the		
pool be extended to include the following described area		
or that a new pool be created to include the following described by the suggested name: Custer Southeast Devonian		<u></u>
	ARCO Oil & Gas Company	
and the state of the	Operator	
		en e
Name of Producing Formation: Devonian	Bh. StoBely B.	L. Stokely
DECORE EVALUATED OTTALETO		
BEFORE EXAMINER STAMETS OIL CONSERVATION DIVISION		
ARCO EXHIBIT NO. 5		S.
CASE NO. <u>7480 - 7481</u>		
Submitted by STOKELY		
Hearing Date 2/17/82		

INSOLUBLE RESIDUE REPORT RESIDUE RESEARCH LABOLATORY 2405 W. INDIANA MIDLAND, TEXAS 79701 SURVEY ELEV. STATE COUNTY SECTION TWH. 25-S 37-E . NR NEW MEXICO FOOTAGE 1810 FNL & 2164 FWL COMPANY WELL FARM ISSUED FOR CONFIDENTIAL USE ATLANTIC RICHFIELD # 1 CUSTER MELLS SECTION EXAMINED: Orig. Hole: 9200-10330 skip: 9600-9700:9710-9770 Side Track Hole: 9200-13060 TOPS AND CORRELATIONS: Samples began in PENNSYLVANIAN Shale ----- 9200 T. BARNETT ----- 9400 T. MISSISSIPPIAN Lime ----- 9540 T. NOODFORD ----- 10250 SIDE TRACK HOLE Samples began in BARNETT ----- 9200 T. MISSISSIPPIAN Line ----- 9280 B. MISSISSIPPIAN LINE -T. DEVONIAN ----- 9450 B. 2nd BARNETT ----- 9500 T. MISSISSIPPIAN Lime - (2nd) -----9530 T. NOODFORD ----- 9740

T. 2nd DEVONIAN ----- 10170

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T. FUSSELMAN -----10970

T. MONTOYA ------11560

T. SIMPSON -----12030

Dolomite ----- 10740-10770

T. Tulip Creek ----- 12170

T. McKee ----- 12700

T. McLish ----- 12930

SPECIAL NOTES:

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION

ARCO EXHIBIT NO. 7

CASE NO. 7480 - 7481

Submitted by DougLAS

Hearing Date 2/17/82

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 7304

APPLICATION OF APCO OIL AND GAS COMPANY FOR DIRECTIONAL DRILLING AND AN UNORTHODOX GAS WELL LOCATION, LEA COUNTY, NEW MEXICO.

STIPULATION OF SETTLEMENT

Come now Arco Oil and Gas Company, the applicant herein, and Conoco, the offset operator and an affected party herein, and by and through their respective attorneys stipulate and agree as follows:

- 1. That Arco Oil and Gas Company has applied for and obtained New Mexico Oil Conservation Division Order R-6792 which approves for its Custer Wells Well No. 1, an unorthodox location and directional drilling, plus a penalty for Devonian production from this well.
- 2. That Conoco is the offset operator of the Conoco Wells Federal B-1 Well No. 5, completed and producing from the Devonian formation.
- 3. That the subject order provides for a penalty factor on the Arco well for its Devonian production.
- 4. Subsequent to the Order, Arco drilled, completed, and perforated its well from 9435 feet to 9482 feet.

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A Charles	BEFORE EXAMINER STAMETS OIL CONSERVATION DIVISION	
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- 5. Based upon information supplied by Arco, it is stipulated and agreed that the perforations from 9435 feet to 9482 feet in the Arco well have encountered a different gas reservoir from that being produced by the Conoco well which has perforations from 9756 feet to 9776 feet.
- 6. That Conoco hereby withdraws its opposition to Arco producing the Arco Custer Wells Well No. 1 at perforations between 9435 to 9482 feet.
- 7. That in order to protect the correlative rights of Conoco, Arco Oil and Gas Company agrees that it will not produce its Custer Wells Well No. 1 from any perforations in the Devonian formation other than the present perforations without first obtaining an order from the Oil Conservation Division approving such production. Arco agrees to give Conoco written notice by certified mail of any hearing in which it seeks Oil Conservation Division approval for production from additional perforations in the Devonian formation in the Custer Wells Well No. 1.

Agreed this 29th day of January, 1982.

KELLAHIN & KELLAHIN

Ja Vala

Attorneys for Conoco, Inc.

CAMPBELL, BYRD & BLACK, P.A.

Attorneys for Arco Oi

Gas Company

Dockets Nos. 7-82 and 8-82 are tentatively set for March 3 and March 17, 1982. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - FEBRUARY 17, 1982

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:

- ALLOWABLE: (1) Consideration of the allowable production of gas for March, 1982, from fifteen prorated pools in Lea, Eddy, and Chaves Counties, New Mexico.
 - (2) Consideration of the allowable production of gas for March, 1982, from four prorated pools in San Juan, Rio Arriba, and Sandoyal Counties, New Mexico.
 - (3) Consideration of purchaser's nominations for the one year period beginning April 1, 1982, for both of the above areas.
- CASE 7445: (Continued from December 16, 1981, Examiner Hearing)
 (THIS CASE WILL BE CONTINUED TO THE EXAMINER HEARING ON MARCH 17, 1982)

Application of Harvey E. Yates Company for an NGPA determination, Eddy County, New Mexico.

Applicant, in the above-styled cause, seeks a new onshore reservoir determination in the San Andres formation for its Fulton Collier Well No. 1 in Unit G of Section 1, Township 18 South, Range 28 East.

CASE 7479: Application of Northwest Pipeline Corporation for amendment of Order No. R-2046, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks the Amendment of Division Order No. R-2046, which authorized approval of six non-standard provation units, Basin-Dakota Gas Pool.

The amendment sought is for the creation of the following non-standard proration units to be drilled at standard locations thereon: Township 31 North, Range 6 West, Section 25: N/2 (272.16 acres) and S/2 (273.3 acres); Section 36: N/2 (272.56 acres) and S/2 (272.88 acres); Township 30 North, Range 6 West; Section 1: N/2 (272.81 acres) and S/2 (273.49 acres).

- CASE 7480: Application of Arco Oil's Gas Company for pool creation, Lea County, New Mexico.

 Applicant, in the above-styled cause, seeks the creation of a new Upper Devonian gas pool for its

 Custer Well No. 1 located 1810 feet from the North line and 2164 feet from the West line of Section
 6, Township 25 South, Range 37 East, Custer Field.
- Application of Arco Oil & Gas Company for amendment of Order No. R-6792, Lea County, New Mexico.

 Applicant, in the above-styled cause, seeks the amendment of Division Order No. R-6792, which authorized the directional drilling of applicant's Custer Wells Well No. 1 to an unorthodox location in the Devonian and Ellenburger formations and imposed a penalty in the Devonian. By stipulation applicant and the offset operator have agreed that the subject well is not affecting the offsetting property and applicant herein seeks removal of the penalty imposed for so long as the well produces only from the present perforated interval in the Upper Devonian.
- CASE 7459: (Continued from January 20, 1982, Examiner Hearing)

Application of Red Mountain Associates for the Amendment of Order No. R-6538, McKinley County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-6538, which authorized applicant to conduct waterflood operations in the Chaco Wash-Mesa Verde Oil Pool. Applicant seeks approval for the injection of water through various other wells than those originally approved, seeks deletion of the requirement for packers in injection wells, and seeks an increase in the previously authorized 68-pound limitation on injection pressure.

CASE 7410: (Continued from January 20, 1982, Examiner Hearing)

Application of B.O.A. Oil & Gas Company for two unorthodox oil well locations, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a well to be drilled 2035 feet from the South line and 2455 feet from the East line and one to be drilled 2455 feet from the North line and 1944 feet from the East line, both in Section 31, Township 31 North, Range 15 West, Verde-Gallup Oil Pool, the NW/4 SE/4 and SW/4 NE/4, respectively, of said Section 31 to be dedicated to said wells.

CASE 7457: (Continued from January 20, 1982, Examiner Hearing)

Application of E. T. Ress for nine non-standard gas proration units, Harding County, New Mexico. Applicant, in the above-styled cause, seeks approval for nine 40-acre non-standard gas proration units in the Brave Dure Carbon Diexide Area. In Township 19 North, Range 30 East: Section 12, the NW/4 NW/4 and NE/4 NW/4; Section 14, the NW/4 NE/4, SW/4 NE/4, and SE/4 NE/4. In Township 20 North, Range 30 East: Section 11, the NE/4 SW/4, SW/4 SE/4. SE/4 SW/4, and NW/4 SE/4.

- CASE 7482: Application of Wiser Oil Company for an unorthodox oil well location, Lea County, New Mexico.

 Applicant, in the above-styled cause, seeks approval of an unorthodox location 1295 feet from the South line and 1345 feet from the West line of Section 32, Township 21 South, Range 37 East, Penrose-Skelly Pool.
- CASE 7483: Application of Adams Exploration Company for salt water disposal, Chaves County, New Mexico.

 Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the San Andres formation in the perforated interval from 4176 feet to 4293 feet in its Griffin Well No.

 4 located in Unit A, of Section 10, Township 8 South, Range 32 East, Chaveroo-San Andres Pool.
- CASE 7462: (Continued from February 3, 1982, Examiner Hearing)

Application of Marathon Oil Company for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of the Drinkard and Blinebry production in the wellbore of its C. J. Saunders Well No. 3, located in Unit C of Section 1, Township 22 South, Range 36 East.

CASE 7474: (Continued from February 3, 1982, Examiner Hearing)

Application of Union Oil Company of California for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Strawn, Atoka and Morrow formations underlying the E/2 of Section 25, Township 19 South, Range 33 East, 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, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

- CASE 7484: Application of Anadarko Production Company for compulsory pooling, Eddy County, New Mexico.

 Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Atoka and Morrow formations underlying the E/2 of Section 1, Township 19 South, Range 25 East, to be dedicated to a rell 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, designation of applicant as operator of the the well, and a charge for risk involved in drilling said well.
- CASE 7485: Application of Berge Exploration for compulsory pooling, Chaves County, New Mexico.

 Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Abo
 formation underlying two 160-acre proration units, the first being the NM/4 and the second being
 the SM/4 of Section 27, Township 7 South, Range 26 East, each 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 wells and the allocation of the cost thereof as well as actual operating costs
 and charges for supervision, designation of applicant as operator of the wells and a charge for
 risk involved in drilling said wells.
- CASE 7486: Application of MCF Oil Corporation for compulsory pooling, Lea County, New Mexico.

 Applicant, in the above-styled cause, seeks an order pooling all mineral interests down through and including the Abo formation underlying the NE/4 NE/4 of Section 6. Township 20 South, Range 39 East, 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, designation of applicant as operator of the well and a charge for risk involved in drilling said well.
- CASE 7487: Application of MGF Oil Corporation for compulsory pooling, Lea County, New Mexico.

 Applicant, in the above-styled cause, seeks an order pooling all mineral interests down through and including the Abo formation underlying the SE/4 SE/4 of Section 31, Township 19 South, Range 39 East, 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, designation of applicant as operator of the well and a charge for risk involved in drilling said well.

- CASE 7488: Application of Burkhart Petroleum Company for compulsory pooling, Roosevelt County, New Mexica.

 Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Sun
 Andres formation underlying the SW/4 DW/4 of Section 13. Township 8 South, Range 37 East, 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, designation of applicant as operator of the
 well and a charge for risk involved in drilling said well.
- CASE 7073: (Reopened and Readvertised)

In the matter of Case 7073 being reopened pursuant to the provisions of Order No. R-6558, which order promutgated special rules for the South Elkins-Russelman Pool in Chaves County including provisions for 80-acre spacing units and a limiting gas-oil ratio of 3000 to one. All interested parties may appear and show cause why said pool should not be developed on 40-acre spacing units with a limiting gas-oil ratio of 2000 to one.

CASE 7074: (Reopened and Readvertised)

In the matter of Case 7074 being reopened pursuant to the provisions of Orders Nos. R-6565 and R-6565-B, which created the South Elkins-Fusselman Gas Pool in Chaves County. All Interested parties may appear and present evidence as to the exact nature of the reservoir, and more particularly, as to the proper rate of withdrawal from the reservoir if it is determined that said pool is producing from a retrograde gas condensate reservoir.

CASE 6373: (Reopened and Readvertised)

In the matter of Case 6373 being reopened pursuant to the provisions of Orders Nos. R-5875 and R-5875-A, which created the East High Hope - Abo Gas pool in Eddy County, and promulgated special rules therefor, including a provision for 320-acre spacing units. All interested parties may appear and show cause say said pool should not be developed on 160-acre spacing units.

- CASE 7489: Application of Curtis J. Little for designation of a tight formation, Rio Arriba County, New Mexico.

 Applicant, in the above-styled cause, seeks the designation of the Chacra formation underlying portions of Township 25 North, Range 6 West, containing 6,720 acres, more or less, as a tight formation pursuant to Section 107 of the Natural Gas Policy Act and 18 CFR Section 271.701-705.
- Application of Harvey E. Yates Company for compulsory pooling, Chaves County, New Mexico.

 Applicant, in the above-styled cause, seeks an order pooling all mineral interests down through and including the Atoka-Morrow formation, underlying the N/2 of Section 19, Township 8 South, Range 30 East, 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, designation of applicant as operator of the well and a charge for risk involved in drilling said well.
- CASE 7491: Application of Harvey E. Yates Company for designation of a tight formation, Lea County, New Mexico.

 Applicant, in the Above-styled cause, seeks the designation of the Atoka formation underlying portions of Townships 12, 13, and 14 South, Ranges 35 and 36 East, containing 46,720 acres, more or less, as a tight formation pursuant to Section 107 of the Matural Gas Policy Act and 18 CFR Section 271.

 701-705, said area being an eastward and westward extension of previously approved tight formation area.
- CASE 7492: Application of Harvey E. Yates Company for designation of a tight formation, Chaves County, New Mexico.

 Applicant, in the above-styled cause, seeks the designation of the Atoka-Morrow formation underlying
 all or portions of Townships 7, 8, and 9 South, Ranges 29,30, and 31 East, containing 115,200 acres,
 more or less, as a tight formation pursuant to Section 107 of the Natural Gas Policy Act and 18 CPR
 Section 271.701-705.
- CASE 7493: In the matter of the hearing called by the Oil Conservation Division on its own motion for an order creating and extending certain pools in Chaves, Eddy, I 3, 277 Roosevelt Counties, New Mexico.
 - (a) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Morrow production and designated as the East Bortleg Rifte-Morrow Gas Pool. The discovery well is Cetty Oil Company Getty 15 Federal Well No. 1 located in Unit J of Section 15, Township 22 South, Range 33 East, NOTM. Said Pool would comprise:

TOWNSHIP 22 SOUTH, RANGE 33 EAST, MMPM Section 15: S/2

-3

(b) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Devonian production and designated as the North King-Devonian Pool. The discovery well is Samedan Oil Corporation Speight Well No. 1 located in Unit B of Section 3, Township 13 South, Range 37 East, NXSM. Said pool would comprise:

10001381P 13 5007H, RANGE 17 EAST, NMPH Section 3: 582/4

(a) CPRATE a new pool in Eddy County, New Mexico, classified as a gas pool for Atoka production and designated as the North Loving-Atoka Gas Pool. The discovery well is Gulf Oil Corporation Eddy GR State Well No. 1 located in Unit E of Section 16, Township 23 South, Range 28 East, NMPM. Said pool would comprise: :

TOWNSHIP 23 SOUTH, PANGE 27 EAST, NOW Section 12: 11/2

TOWNSHIP 23 SOUTH, RANGE 28 EAST, NAPH

Section 4: S/2 Section 7: All

Section 8: All

Section 9: All Section 16: All

Section 17: All Section 19: E/2

(d) CRZATE a new pool in Lea County, New Mexico, classified as an oil pool for Drinkard production and designated as the Teague - Drinkard Pool. The discovery well is Alpha Twenty-One Production Company Lea Well No. 1 located in Unit B of Section 17, Township 23 South, Pange 37 East, NMPM. Said pool would comprise:

TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPH Section 17: ME/4

(e) EXTEND the West Atoka-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, PAMGE 25 EAST, NMPM

Section 23: All Section 24: W/2

(f) EXTEND the Atoka-Pennsylvanian Gas Pool in Eddy County, New Mexico, to include therein:

> TOWNSHIP 18 SOUTH, BANCE 26 EAST, MMPH Section 16: W/2

(g) EXTERD the A migh-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 26 EAST, EMPM Section 2: Lots 1 through 8

(h) EXTEND the Brunson-Fusselman Pool in Lea County, New Mexico, to include therein:

> TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPH Section 5: SE/4

(i) EXTEND the Brushy Draw-Delaware Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 26 SOUTH, RANGE 29 EAST, NMPH Section 26: E/2

(j) EXTEND the Buffalo Valley-Pennsylvanian Gas Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 15 SOUTH, RANGE 27 EAST, MMPH Section 23: All

Section 26: All

PAGE 5 EXAMINER HEAPING - WEDNESDAY - FEBRUARY 17, 1982

'(x) EXTEND the Cary-Montoya Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, PANCE 37 EAST, HAPM

Section 4: W/2 SW/4 Section 5: SE/4 Section 9: W/2 W/2

(1) EXTEND the Crow Flats-Morrow Gas Pool in Eddy County, New Mexico to include therein:

TOWNSHIP 16 SOUTH, RANGE 27 EAST, NMPH Section 35: E/2 Section 36: W/2

(m) EXTERD the South Culebra Bluff-Bone Spring Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 28 EAST, NMPH Section 25: 8/2 SW/4 Section 27: SW/4

(n) EXTEND the Elkins-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 28 EAST, NMPM Section 21: NE/4

(o) EXTEND the Empire-Abo Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM Section 19: S/2 SW/4

(p) EXTEND the Henshaw-Queen Grayburg-San Andres Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 31 EAST, NMPM Section 19: NE/4 NW/4

(q) EXTEND the Indian Plats-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 28 EAST, NMPM Section 26: W/2

(r) EXTEND the West Nadine-Blinebry Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPM Section 8: NW/4

(s) EXYEND the Peterson-Mississippian Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 4 SOUTH, RANGE 33 EAST, NMPM Section 28: NW/4

(t) EXTEND the Race Track-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 10 SOUTH, RANGE 28 EAST, NMPM Section 7: S/2 SW/4 Section 18: NM/4 and N/2 SW/4 and SW/4 SW/4 PAGE 6
EXAMINER HEARING - WEDNESDAY - FEBRUARY 17, 1982

(u) EXTEND the Railroad Mountain-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 28 EAST, NMPM Section 2: NE/4 and E/2 NW/4

(v) EXTEND the Red Lake-Queen-Grayburg-San Andres Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMFM Section 7: S/2
Section 8: SW/4
Section 18: E/2 NW/4

(w) EXTEND THE West Sawyer-San Andres Pool in Lea County. New Mexico, to include therein:

TOWNSHIP 10 SOUTH, RANGE 37 EAST, INCH.
Section 5: SW/4

(x) EXTEND the Turkey Track-Atoka Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 29 EAST, NMPM Section 15: All

(y) EXTEND the Twin Lakes-San Andres Associated Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 28 EAST, NMPM Section 13: SE/4 Section 24: NE/4

TOWNSHIP 9 SOUTH, RANGE 28 EAST, NMPM Section 12: S/2 NE/4

TOWNSHIP 9 SOUTH, RANGE 29 EAST, NMPM Section 7: S/2 Section 8: NW/4

CAMPBELL, BYRD & BLACK, P.A.

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Case 7481

January 26, 1982

Mr. Joe D. Ramey
Division Director
Oil Conservation Division
New Mexico Department of
Energy and Minerals
Post Office Box 2088
Santa Fe, New Mexico 87501

e: Application of Arco Oil & Gas Company for Amendment of Order R-6792, Lea County, New Mexico

Dear Mr. Ramey:

Enclosed in triplicate is the application of Arco Oil & Gas Company in the above-referenced matter.

The applicant requests that this matter be included on the docket for the examiner hearing scheduled to be held on February 17, 1982.

Very truly yours,

William F. Carr

WFC:1r

Enclosure

cc: Mr. Horace N. Burton

Mr. Ben Stokely

BEFORE THE

OIL CONSERVATION DIVISION

NEW MEXICO DEPARTMENT OF ENERGY AND MINERALS

IN THE MATTER OF THE APPLICATION OF ARCO OIL & GAS COMPANY FOR AMENDMENT OF ORDER R-6792, LEA COUNTY, NEW MEXICO.

CASE 7481	
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APPLICATION

Comes now ARCO OIL & GAS COMPANY, by and through its undersigned attorneys, and hereby makes application to the New Mexico Oil Conservation Division for amendment of Order R-6792 to provide for directional drilling of its Custer Wells Well No. 1 to an unorthodox bottom hole location in the Upper Devonian formation, Custer Field, Lea County, New Mexico, and in support of its application states:

- 1. Applicant is the operator and part owner of the N/2 of Section 6, Township 25 South, Range 37 East, Custer Field, Lea County, New Mexico.
- 2. That on October 2, 1981, the Oil Conservation Division entered Order R-6792 in Case 7304 which approved the directional drilling of the Custer Wells Well No. 1 from a surface location 1810 feet from the North line and 2164 feet from the West line of said Section 6 to unorthodox bottom hole locations in the Devonian and Ellenburger formations and imposed on said well a production limitation factor of 93% in the Devonian
- 3. That Conoco, Inc., the owner of offsetting acreage to the west, timely requested a de novo hearing in this case.

- 4. That the hearing de novo was deferred until Arco completed the drilling of the subject well.
- 5. Arco was unable to complete the Custer Wells Well No. 1 in the Ellenburger formation but has completed in the Upper Devonian formation through perforations from 9435 feet to 9482 feet.
- 6. Pressure data and gas analysis show that the Arco
 Custer Wells Well No. 1 is completed in and producing from
 a separate Devonian reservoir than any offsetting well.
- 7. The parties have entered a stipulation whereby Conoco will withdraw its objection to the subject well and Arco agrees not to perforate any other Devonian horizon in the subject well without first obtaining further order of the Division approving such perforations.

8. Arco seeks an order:

- a. Approving the directional drilling of its Custer Wells Well No. 1 from a surface location of 1810 feet from the North line and 2164 feet from the West line to an unorthodox bottom hole location in the Upper Devonian formation through perforations from 9435 feet to 9482 feet within 100 feet of a point 1775 feet from the North line and 1523 feet from the West line of said Section 6.
- b. Requiring Division approval prior to development of any other Devonian horizon in said Custer Wells Well No. 1.

That granting this application will be in the best interest of conservation, the prevention of waste and the protection of correlative rights.

WHEREFORE, Applicant prays that this application be set for hearing before a Division Examiner on February 17, 1982, and that after notice and hearing as required by law, the Division enter its Order approving this application and granting such other and further relief as the Division deems proper in the premises.

> Respectfully submitted, CAMPBELL, BYRD & BLACK, P.A.

Post Office Box 2208 87501

Santa Fe, New Mexico 875 Attorneys for Arco Oil & Gas Company

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

JAK.

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

Wom.

CASE NO. 7481

Order No. R-6792-17

APPLICATION OF ARCO OIL & GAS COMPANY FOR AMENDMENT OF ORDER NO. R-6792, LEA COUNTY, NEW MEXICO.

da

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on February 17, 1982, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this _____day of March, 1982, 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, Arco Oil and Gas Company, seeks the amendment of Division Order No. R-6792, which authorized the directional drilling of applicant's Custer Wells Well No. 1 to an unorthodox location in the Devonian and Ellenburger formations and imposed a penalty in the Devonian.
- (3) That said Custer Wells Well No. 1 encountered a new source of gas supply in the Devonian formation in a fault block lying to the East of the Custer-Devonian Gas Pool, and separate therefrom, at a measured depth of from 9435 feet to 9482 feet in the side-tracked hole.
- (4) That by stipulation the applicant and the offset operator have now agreed that the subject well is not affecting the offsetting property and applicant herein seeks removal of the penalty imposed in said Order No. R-6792 for so long as the well produces only from the present perforated interval in the Devonian formation as set out in Finding No. (3) above.
- (5) That suspension of the penalty provisions of said Order No. R-6792 for so long as the subject well is completed in that section of the Devonian formation described in Finding No. (3) above will permit the applicant to produce its share of the hydrocarbons from the Devonian Pool in which it is completed and will not cause wastemor result in violation of correlative rights.
 - (6) That to assure continued protection of correlative

rights, the applicant should be required to give notice to offset operators, by certified mail, and obtain and order from Division the Devonian prior to producing said Custer Wells Well No. 1 from any Devonian interval other than that described in Finding No. (3) above.

IT IS THEREFORE ORDERED:

(1) That the Production Limitation Factor in the Devonian formation and the Special Rules and Regulations for The Application of A Production Limitation Factor to A "Further Ordered" Paragraphs Non-Prorated Gas Well contained in order (1), (2), and (3) of Division Order No. R-6792 are hereby suspended.

PROVIDED HOWEVER: that such suspension shall apply only so long as the Arco Oil and Gas Company Custer Wells Well No. 1 located in Unit F of Section 6, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico, remains completed in the Devonian interval from 9435 feet to 9482 feet in the side-tracked hole.

PROVIDED FURTHER: that prior to recompletion of said Custer Wells Well No. 1 in any other Devonian interval the applicant shall give notice to offset operators, by certified mail, and shall obtain an order from the Division authorizing such recompletion.

(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.