1 2 3 4	STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO  17 August 1988		
5	EXAMINER HEARING		
7 8 9	IN THE MATTER OF:  Application of BHP Petroleum Company, CASE Inc. for non-standard proration units 9461 and an unorthodox gas well location, Chaves County, New Mexico.		
11 12 13	BEFORE: David R. Catanach, Examiner		
15 16	TRANSCRIPT OF HEARING		
17 18	APPEARANCES		
19 20 21	For the Division:  Robert G. Stovall Attorney at Law Legal Counsel to the Division State Land Office Bldg. Santa Fe, New Mexico		
22 23 24 25	For the Applicant:  W. Thomas Kellahin Attorney at Law KELLAHIN, KELLAHIN & AUBREY P.O. Box 2265 Santa Fe, New Mexico 87501		

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1	MR. CATANACH: Call Case 9461.		
2	MR. STOVALL: Application of		
3	BHP Petroleum Company, Inc., for a nonstandard proration		
4	unit and an unorthodox gas well location, Chaves County,		
5	New Mexico.		
6	MR. CATANACH: Are there ap-		
7	pearances in this case?		
8	MR. KELLAHIN: Mr. Examiner,		
9	I'm Tom Kellahin of the Santa Fe law firm of Kellahin, Kel-		
10	lahin & Aubrey, appearing on behalf of the applicant and I		
11	have one witness to be sworn.		
12	MR. CATANACH: Any other ap-		
13	pearances?		
14	Will the witness please stand		
15	and be sworn in?		
16			
17	(Witness sworn.)		
18			
19	WILLIAM J. MORRIS,		
20	being called as a witness and being duly sworn upon his		
21	oath, testified as follows, to-wit:		
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23	DIRECT EXAMINATION		
24	BY MR. KELLAHIN:		
25	Q Mr. Morris, for the record would you		

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1	of the section?		
2	А	It is from 1650 feet from each line.	
3	Q	And will that be a standard oil well	
4	location under statewide rules?		
5	A	Yes.	
6	Q	Let's turn now, sir, to Exhibit Number	
7	Two. This is in f	act the same display	
8	A	Yes.	
9	Q	as the previous exhibit?	
10	A	Yes, it is.	
11	Q	When you look at the potential for an	
12	oil for a gas w	ell spacing, is that what you've intended	
13	to portray with th	e red outline?	
14	A	Right. The red outline is the proration	
15	unit we're asking	for to be dedicated to gas.	
16	Q	And how many acres would be included	
17	within the section	, then, for that gas spacing unit?	
18	A	There would be approximately 348 acres.	
19	Q	Are there special pool rules for any of	
20	the deep gas pr	oducing formations below the top of the	
21	Wolfcamp in this i	mmediate area?	
22	A	Yes. The statewide rules	
23	Q	Would apply?	
24	A	would apply to this case.	
25	Q	So there are no special pool rules for	

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A Oh, no. No.

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Q -- of these gas pools.

A Right, this is -- would be a wildcat

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well.

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Q Using the statewide gas spacing, then, would this well for gas spacing below the top of the Wolf-camp be at a standard gas well location?

A No. Statewide rules require it to be 1980 from the east line in this case and we are 330 feet short of that requirement.

Q And in this instance you're moving towards acreage that your company also controls?

A That's right.

Q Monsanto now is BHP Petroleum, isn't it?

A Correct.

Q Let's turn, sir, now to Exhibit Number Three and have you identify that exhibit.

A Okay, this is a structure map on top of the Lower Paleozoic Montoya formation. We have five seismic lines across this to help define the structural feature.

The yellow color is the acreage that BHP has under lease from the state and the arrow points to the proposed location.

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1	Q	Does this represent your work product?	
2	A	Yes, it does.	
3	Q	Do we have any subsurface control for	
4	this area in terms	of wellbore information, logs, that type	
5	of information?		
6	Α	There are a number of wells on this map.	
7	The closest one	to the proposed location is in Section 31	
8	just to the northeast.		
9	Q	In mapping the structure, this is a map	
10	of the structure	for the potential oil production out of	
11	the Montoya formation?		
12	A	That is correct.	
13	Q	Have you attempted to map or interpret	
14	what we might see	in the deeper gas formation?	
15	A	The gas would be a little bit shallower.	
16	It's in the Pennsy	lvanian section.	
17	Q	Oh, I'm sorry. All right.	
18	A	And I have not made a map on that to	
19	this date.		
20	Q	In looking at the 320-acre gas spacing	
21	units that would	lie above the Montoya formation, can we	
22	infer or interpret	from this structural interpretation any-	
23	thing about the ga	s formations?	
24	A	No, I don't believe so.	
25	Q	The primary objective, then, is the oil	

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in the Montoya?

A That's correct.

Q Explain to us what has caused you to pick this as the location within Section 5 that is the optimum location by which to penetrate and test the Montoya formation.

A Okay. Typically the Montoya formation

water drive type reservoir. If you use the Chisum Field as

in this area produces on structure. It's a very strong

an example, which lies to the southeast it is a two well

producing field and it has several wells, dry holes that

are water-bearing just off of the structure. So they're

small structures. We feel like we need to be on the high-

est point of the feature. The proposed location is our in-

terpretation of where the highest location is at.

Q Within your structural interpretation for the Montoya formation do we have a standard oil well location that would also be standard gas well spacing location?

A It's my feeling that we'd be too close to the fault to be -- to be at a standard gas location to properly test the Montoya formation.

Q Describe for us what you find in identifying the fault that runs through Section 5. Is that a fault to such a degree that you're separating physically potential production from the west side of the section from the east side?

A As far as the Montoya formation --

Q Yes, sir.

A -- that's what we're -- yes, that's why we're drilling at the proposed location.

Q When we look at potential gas production can we infer or interpret from this structural display that we would be physically separating out the spacing unit?

A No. Typically in this area the faulting which cuts the lower Paleozoic sections usually dies out into the Penn, Pennsylvanian section, so they don't always go through that part of the formation.

Q Identify for us those lines of seismic runs that are closest to the proposed well location.

A Okay, we have a line 4, which is an east/west line that runs through the midsections of Sections 3, 4, 5 and 6, and we have lines 2 and 5, which are north/south lines that run through Section 5 as well.

Q Do you have an opinion, Mr. Morris, as to whether or not approval of this application would afford to BHP Petroleum Company the opportunity to avoid the drilling of an unnecessary well?

A Yes, it certainly would.

Q And in your opinion would it promote

That concludes

Exhibits One

Exhibit A to

Yes, sir, and

conservation, protect correlative rights and avoid or pre-

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North -- right, that is right. Yes. It's shown on Exhibit One in the red outline what the pro-How many acres does Lot 2 consist of? 10 11 Right. That's shown in green. 13 How deep would you encounter the Montoya 14 It should be about 6300 feet. You said there were some other Montoya There are two wells in Section 13, which is about 5 miles to the southeast that produce from the 20 Lower Paleozoic section. They're in Units I and J, and 21 they're oil wells. This is the Chisum Field. 22 You say that structure has a lot to do 23 with the productive capabilities of these wells? 24 Yeah, these wells only produce on struc-Α 25

ture, usually at the highest point. Typically these struc-

CROSS EXAMINATION

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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 (Commission) 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 CSR

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 94/h
heard by me on Hugust 17 19 ft

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