1 2 3	STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION STATE LAND OFFICE BLDG. SANTA FE, NEW MEXICO	
	11 July 1984	
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5	EXAMINER HEARING	
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۵	IN THE MATTER OF	
8	Application of Petrus Operating CASE	
9	Company, Inc. for an unorthodox 8242 oil well location and non-standard	
10	proration unit, Lea County, New Mexico.	
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12	BEFORE: Richard L. Stamets, Examiner	
13		
14	TRANSCRIPT OF HEARING	
15		
16	APPEARANCES	
17		
18		
19	For the Oil Conservation Division:	
20	DIVISION:	
21		
22	For the Applicant: W. Thomas Kellahin Attorney at Law	
23	KELLAHIN & KELLAHIN P. O. Box 2265	
24	Santa Fe, New Mexico 87501	
25		

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3	MR. STAMETS: Now we'll go back	
4	and call Case 8242.	
-	MR. PEARCE: That case is on	
5	the application of Petrus Operating Company for an unortho-	
6	dox gas well oil well location, I'm sorry, and a non-	
7	standard proration unit, Lea County, New Mexico.	
8	MR. KELLAHIN: If the Examiner	
9	please, I'm Tom Kellahin of Santa Fe, New Mexico, appearing	
10	on behalf of the applicant and I have one witness to be	
11	sworn.	
	MR. PEARCE: Are there other	
12	appearances in this matter?	
13		
14	(Witness sworn.)	
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16	DON D. MATSON,	
17	being called as a witness and being duly sworn upon his	
18	oath, testified as follows, to-wit:	
19		
	DIRECT EXAMINATION	
20	BY MR. KELLAHIN:	
21	Q Mr. Matson, for the record would you	
22	please state your name and occupation?	
23	A My name is Don D. Matson, M-A-T-S-O-N,	
24	and I'm a geological and geophysical consultant on a con-	

tract with Petrus Operating Company, Midland, Texas.

25

4 1 Mr. Matson, have you previously testified 0 2 before the Oil Conservation Division as a geologist? 3 Yes, I have. 4 And pursuant to your employment by Petrus 0 5 Operating Company have you made a study of the facts sur-6 rounding this application? 7 Yes, sir. MR. KELLAHIN: Mr. Examiner, we 9 tender Mr. Matson as an expert petroleum geologist. STAMETS: He is considered MR. 10 qualified. 11 Matson, let me direct your attention Mr. 12 to what we've marked as Exhibit Number One, and have 13 first of all identify for us what the subject pool is. 14 It's the Bagley Siluro-Devonian Field. 15 All right, sir, and what is the current 16 spacing and well location rules with regards to the Bagley 17 Siluro-Devonian Pool, Mr. Matson? The rules, as I understand them, are such Α 18 that wells to be drilled on 80-acre proration units be de-19 signated the east half or west half of any governmental 20 quarter section; the wells to be located either in 21 northwest or the southeast quarter of the governmental quar-22 ter section. 23 All right, what was the 40-acre tracts, 0 24 the northeast and southwest? 25 Northwest and southeast. Α

1	5	
2	Q All right. In looking at Exhibit Number	
3	One, Mr. Matson, would you identify for us what is indicated	
4	by the three 40-acre tracts outlined in yellow?	
5	A The three 40-acre tracts outlined in yel-	
	low represent Petrus Operating Company leasehold interest in	
6	Section 34. This is one base lease that was purchased at a	
7	State sale in January of 1984.	
8	Q All right, sir, would you identify which	
9	of the three 40-acre tracts is the subject of this hearing?	
10	A The northeast of the southeast of Section	
11	34.	
12	Q So that 40-acre tract has a well symbol	
13	located in it?	
	A Yes, it has a circle shaded in red.	
14	Q All right, sir, and that is the location	
15	for the well to be drilled upon obtaining approval of this	
16	application.	
17	A That's correct.	
18	Q Would you describe for us what is the	
19	status of the well in the southeast southeast quarter of	
20	Section 34?	
21	Mr. Matson, would you direct your atten-	
22	tion to Section 34, to the southeast southeast, there is an	
	indication of a well at that location.	
23	Would you describe for us the status of	
24	that well?	
25	A According to the well records, the well	

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Well, in the legend you'll notice there

are three triangles, one designated active producers, shut-

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Α

7 1 in producers, and salt water disposal wells, so color coded, 2 represent those wells which are in that status. 3 There's been one correction since this map has been prepared and that would be the well 5 northeast of the south -- I mean, excuse me, in the north-6 east of the northwest of Section 2, 12 South, 33 East, shown 7 with the number five and showing to be an abandoned well. 8 That well has been recompleted 9 Devonian producer by Sun Oil Company recently. Has it -- when was it recently completed, 10 Mr. Matson? 11 December of 1983. 12 And has that well been potentialed for Q 13 production? 14 Yes, it has. Α 15 And what type of production information 16 has been obtained? 17 As I recall it was a potential for 130 barrels of oil per day plus 1300 barrels of water. 18 0 All right, sir, what is the significance 19 of the other color codes for wells? 20 Well, the other indication that we have Α 21 here, the red arrows, which are wells that have 22 drilled off pattern as described by field rules, set loca-23 tions. 24 0 All right, Mr. Matson, in studying this 25 area have you determined how many wells are located on

loped on 80-acre spacing was it not?

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1		9
2	А	Correct.
3	Q	All right, and I can see by the exhibit
4	that there is so	me of these units that have had a second
5	well drilled on th	e proration unit.
	A	Correct.
6	Q	In your opinion are those second wells
7	reocvering oil re	serves from this pool that would not have
8	been recovered fro	m the original wells?
9	A	I think so. I think the Sun well demon-
10	strates that very	well, the well that I referred to earlier,
11	the well in Sectio	n 2.
12	Q	All right, sir. Let's go to Exhibit Num-
13	ber Two, then, M	r. Matson, and have you identify that for
14	us.	
	А	Exhibit Two is cumulative production map,
15	the Siluro-Devoni	an on wells surrounding the subject pro-
16	posed drill site.	
17	Q	All right, sir, let me direct your atten-
18	tion to Section	35 to the east offset to the location.
19	It's a well symb	ol and it indicates the No. 3 and then a
20	dash BTC?	
21	A	Correct.
22	Q	Who operates that well?
23	A	Amerada Hess.
	Q	And what is the current status of that
24	well?	
25	A	It is an active producer, producing ap-

proximately 30 barrels of oil per day plus 300 barrels of water.

Q In your opinion, Mr. Matson, or do you have an opinion as to whether or not the 40-acre tract belonging to Petrus Operating Company is being subject to drainage by the Amerada Hess Well?

A Oh, I would think so.

Q And in order to protect your correlative rights do you have an opinion as to whether or not you need to drill a well on your 40-acre tract?

A I believe it's worth an economic venture, yes.

Q All right, sir. Let's turn to the cross section, Mr. Matson, and have you identify that for us.

A The cross section is described as cross section C-C'. It is roughly an east/west log section going from the well in the northwest of the northwest of Section 3, 12, 33, through wells in the southern half of Section 34 of 11 South, 33 East, to the Gulf -- I mean, excuse me, to the Amerada No. 3 BTC, located in the northwest of the southwest of Section 35, 11, 33.

The log section has been prepared to demonstrate the structural position that we anticipate at our proposed drill site.

The various drill stem tests and perforations and production tests that were conducted in the wells are covered by the cross section.

11 1 And where in the cross section does the 0 2 proposed Petrus well fall? 3 It's designated on the cross section as Drillsite Tract No. 1. It falls between the Amerada No. 3 5 BTC and the Amerada No. 1 BTM Wells, southwest of the BTC 6 Well. 7 All right, and you propose to drill to a 0 total depth to penetrate the Devonian formation and attempt a completion that correlates to the producing interval in the offsetting Amerada Hess Well? 10 That's correct. 11 Were Exhibits One, Two and Three prepared 12 by you or compiled under your direction and supervision, Mr. 13 Matson? 14 Α They were prepared by me, yes, sir. 15 And in your opinion will approval of this 16 application be in the best interests of conservation, prevention of waste, and the protection of correlative 17 rights? 18 Yes. Α 19 KELLAHIN: That concludes MR. 20 our examination of Mr. Matson. 21 We move the introduction of Ex-22 hibits One, Two and Three. 23 MR. STAMETS: The exhibits will 24 be admitted. 25 Are there any questions of this

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    witness? He may be excused.
2
                                  Is there anything further in
3
    this case?
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                                  MR. KELLAHIN: No, sir.
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                                  MR.
                                       STAMETS: The case will be
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    taken under advisement.
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8
                         (Hearing concluded.)
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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.

Surly W. Boyd Cor

I do hereby certify that the foregoing is a complete would of the proceedings in the Examiner charing of Case No. 8247 heard by see In

Oil Conservation Division