

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO

26 April 1989

EXAMINER HEARING

IN THE MATTER OF:

Application of McClellan Oil Corpora- CASE
tion for a unit agreement, Chaves 9656
County, New Mexico.

BEFORE: David R. Catanach, Examiner

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Division: Robert G. Stovall
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I N D E X

RAY D. GRAHAM

Direct Examination by Mr. Kellahin 4

MARK McCLELLAN

Direct Examination by Mr. Kellahin 7

Cross Examination by Mr. Catanach 12

RAY D. GRAHAM RECALLED

Redirect Examination by Mr. Kellahin 13

E X H I B I T S

McClellan Exhibit One, Unit Agreement 4

McClellan Exhibit Two, Letter 6

McClellan Exhibit Three, Explanation 8

McClellan Exhibit Four, Structural Map 8

McClellan Exhibit Five, Isopach 8

McClellan Exhibit Six, Certificate 12

1 MR. CATANACH: We're going to
2 do some rearranging with the regular cases here.

3 We're going to start off with
4 Case 9656.

5 MR. STOVALL: Application of
6 McClellan Oil Corporation for a unit agreement, Chaves
7 County, New Mexico.

8 MR. CATANACH: Are there ap-
9 pearances in this case?

10 MR. KELLAHIN: Mr. Examiner,
11 I'm Tom Kellahin of the Santa Fe law firm of Kellahin,
12 Kellahin & Aubrey, appearing on behalf of the applicant and
13 I have two witnesses to be sworn.

14 MR. CATANACH: Any other ap-
15 pearances?

16 Will the two witnesses please
17 stand and be sworn in?

18
19 (Witnesses sworn.)

20
21 RAY D. GRAHAM,
22 being called as a witness and being duly sworn upon his
23 oath, testified as follows, to-wit:

24

25

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Mr. Graham, for the record would you please state your name and occupation?

A I'm Ray D. Graham. I'm a petroleum landman employed by McClellan Oil Corporation.

Q Mr. Graham, on prior occasions have you testified as a petroleum landman before the Oil Conservation Division?

A Yes, I have.

Q And pursuant to your employment as a consulting landman for McClellan Oil Company, have you prepared and submitted to the Commissioner of Public Lands a proposed exploratory unit agreement for the North Roswell State Unit Area in Chaves County, New Mexico?

A Yes, we have.

MR. KELLAHIN: At this time, Mr. Examiner, we tender Mr. Graham as an expert petroleum landman.

MR. CATANACH: He is so qualified.

Q Mr. Graham, let me direct your attention, sir, to what is marked as McClellan Exhibit Number One and ask you to identify that exhibit.

A That is a copy of the North Roswell

1 State Unit Agreement in Chaves County.

2 Q Let's turn, sir, to Exhibit A to the
3 unit agreement and have you identify that for us.

4 A That is an outline of the 17 sections
5 included within this unit. It's 17 sections in Township 9
6 South, Range 24 East, in Chaves County.

7 Q On page 2 of Exhibit One, is that a
8 specific description of the acreage that is to be commit-
9 ted to the unit?

10 A Yes, that is correct, 11,653.01 acres.

11 Q Can you describe for us what is the
12 purpose that the applicant seeks in forming this explora-
13 tory unit, Mr. Graham?

14 A Well, the -- it's -- due to the term of
15 the leases it's almost impossible to develop each lease on
16 an individual basis, and by forming this unit it will tend
17 to promote the conservation of oil and gas and better util-
18 ization of the reservoir energy and that the state will
19 receive its fair share of the oil and gas produced from the
20 unit area.

21 Q What is the composition of the ownership
22 for this unit? Who owns the minerals?

23 A The State of New Mexico owns the -- is
24 the 100 percent mineral interest owner.

25 Q The working interest ownership, who owns

1 the working interest ownership and to what extent has it
2 been committed to the unit?

3 A McClellan Oil Corporation is 100 per-
4 cent working interest owner of 15 sections or 10,231 acres,
5 which is 87.6 percent of the unit area. There are two
6 sections, Section 16 and Section 30 owned by Mesa Petroleum
7 Corporation and MTS Partnership. They have not committed
8 their acreage. They have been invited to join but at this
9 point in time they have not committed.

10 Q Have you submitted to and obtained pre-
11 liminary approval from the Commissioner of Public Lands for
12 the exploratory unit?

13 A Yes, we have, by their letter of April
14 the 18th, 1989, they have given their preliminary approval
15 for this unit.

16 Q And that's marked as McClellan Exhibit
17 Number Two?

18 A Yes, sir.

19 Q Do you have an opinion, Mr. Graham, as a
20 petroleum landman as to whether or not at this point there
21 is sufficient ratification and execution of the various
22 agreements to give McClellan Oil the effective and effi-
23 cient control over unit operation and development of this
24 area?

25 A Yes. McClellan Oil does have the 82. --

1 87.6 percent of the acreage committed and is 100 percent
2 working interest owner. He has sufficient interest to
3 control operations of the unit.

4 MR. KELLAHIN: That concludes
5 my examination of Mr. Graham, Mr. Catanach.

6 We move the introduction of
7 Exhibits One and Two.

8 MR. CATANACH: Exhibits One
9 and Two will be admitted as evidence.

10 I have no questions of the
11 witness. He may be excused.

12
13 MARK McCLELLAN,
14 being called as a witness and being duly sworn upon his
15 oath, testified as follows, to-wit:

16
17 DIRECT EXAMINATION

18 BY MR. KELLAHIN:

19 Q Mr. McClellan, for the record would you
20 please state your name and occupation?

21 A I am Mark McClellan, McClellan Oil Cor-
22 poration and I'm a geologist.

23 Q Mr. McClellan, on prior occasions have
24 you testified before the Oil Conservation Division as a
25 petroleum geologist?

1 Q Mr. McClellan, on prior occasions have
2 you testified before the Oil Conservation Division as a
3 petroleum geologist?

4 A Yes, sir, back in November of 1983.

5 Q Have you caused geologic interpretations
6 and conclusions to be reached with regards to the formation
7 of the proposed North Roswell State Unit in Chaves County,
8 New Mexico?

9 A Yes, I have.

10 MR. KELLAHIN: At this time,
11 Mr. Examiner, we tender Mr. McClellan as an expert petro-
12 leum geologist.

13 MR. CATANACH: He is so qual-
14 ified.

15 Q Mr. McClellan, let me ask you, sir, to
16 refer to your Exhibits Three, Four, and Five and let's
17 spread them out so that we can look at them at the same
18 time.

19 Let me have you start with Exhibit Num-
20 ber Four, which is the structure map. In preparing the
21 structural interpretation for this specific area to you
22 find any structural features of significance in determining
23 the size and shape and the orientation of the acreage to be
24 committed to this unit?

25 A Yes, I do. I find a anomalous high

1 basically on the western edge of the North Roswell State
2 Unit.

3 Q Describe for us where that anomalous
4 high is in relationship to the unit as shown on Exhibit
5 Number Four.

6 A Okay. It basically runs on the western
7 edge of the unit in Sections 5 and 6, 7, 8, 17, 18, 19, 20
8 and 29 and 30.

9 Q Interpret for us your opinions and con-
10 clusions from examining the structure map, Exhibit Number
11 Four.

12 A Structure has basically not been found
13 to play much of a geologic role in the Abo. It probably is
14 not the trapping mechanism but it is interesting to note
15 that there is an anomalous high over the western edge of
16 our unit.

17 Q What is the primary objective formation
18 for the unit well?

19 A The Abo formation.

20 Q And what is your proposed initial well
21 location for the first unit well?

22 A It is in Section 17 660 from the north
23 and 660 from the west line, Section 17, 9 South, 24 East.

24 Q Turn now to Exhibit Number Five, Mr.
25 McClellan. Would you identify that exhibit for us?

1 A This is a gross Abo Sand isopach map.

2 Q In examining the isopach is there a
3 relationship between the surface configuration of acreage
4 to be dedicated to the unit and the isopach defined on the
5 gross Abo Sand?

6 A Yes, there is. We would expect to en-
7 counter 10 to approximately 30 feet of gross sand within
8 the Abo formation overlying most of our North Roswell State
9 Unit acreage.

10 Q What is the geologic basis for the west-
11 ern and eastern boundaries of the proposed unit?

12 A The yellow indicates sand development of
13 10 feet or more.

14 The orange indicates where you'd expect
15 to find 10 feet or less of sand and the Abo alluvial chan-
16 nel system tends to basically run north to south or north-
17 west to southeast with areas with poor sand development and
18 our North Abo State Unit is, as I said earlier, you would
19 anticipate between 10 and probably 30 feet of sand; the
20 flanks of the unit being on the east and west, you would
21 expect less than 10 feet of sand development.

22 Q Is there, then, a reasonable geologic
23 basis for the configuration of the acreage to be committed
24 to this unit?

25 A Yes, there is.

1 Q Do you have an opinion as to whether or
2 not this acreage could be developed on an individual lease
3 basis as opposed to a unit basis?

4 A I think that that would difficult in
5 that you've got 17 separate State leases all expiring
6 7-1-89. This -- this acreage is within the Abo play. It's
7 not actually within a field. It's on the western edge of
8 the South Pecos Slope Abo and on the southern edge of the
9 West Pecos Slope Abo, so it's not actually within a known
10 field. It's within 3 or 4 miles and obviously we feel like
11 that there is gas production present here but it's a defi-
12 nite step out or even a wildcat type of an area and in
13 order to justify drilling, I think it would be difficult to
14 do it if you're only hope was that you could -- could only
15 save one lease; therefore it's necessary that we form this
16 State unit in order to justify drilling a step out well or
17 a wildcat well.

18 Q Exhibit Number Three is your written
19 geologic explanation of the two exhibits and your proposed
20 unit?

21 A Yes.

22 MR. KELLAHIN: Mr. Examiner,
23 that concludes my examination of Mr. McClellan.

24 We move the introduction of
25 his exhibits Three, Four and Five.

1 MR. CATANACH: Exhibits Three,
2 Four and Five will be admitted as evidence.

3

4

CROSS EXAMINATION

5

BY MR. CATANACH:

6

Q Mr. McClellan, what's -- what's the
7 closest Abo production to your unit?

8

A There is a well in Section 15 that was
9 drilled by Mesa and it's about 2 miles to the east, due
10 east.

11

Q That's currently a producing well?

12

A It -- no, it is a shut-in --

13

Q Shut-in.

14

A -- gas well, yes.

15

Q How much sand do you think is needed to
16 make a good well in the Abo?

17

A We have drilled about 75 wells in the
18 Abo ourselves. I think that you could probably make a well
19 out of -- I've seen us make a well, for instance, out of 5
20 feet of sand.

21

MR. CATANACH: I have no fur-
22 ther questions of this witness. He may be excused.

23

MR. KELLAHIN: Mr. Examiner,
24 Exhibit Six is our certificate of mailing of notices to
25 other interested parties within the unit area and we would

1 ask that you introduce that into the record at this time.

2 MR. CATANACH: Exhibit Six
3 will be admitted into the record.

4 MR. KELLAHIN: That concludes
5 our presentation, Mr. Examiner.

6 MR. CATANACH; What interest
7 does Koch Industries have in this (not clearly audible)?

8 MR. KELLAHIN: We'll let Mr.
9 Graham answer those questions about the interests.

10

11 RAY D. GRAHAM,

12 being recalled to testify and remaining under oath, testi-
13 fied as follows, to-wit:

14

15 REDIRECT EXAMINATION

16 BY MR. KELLAHIN:

17 Q The issue, Mr. Graham, is the certifi-
18 cate of mailing was sent to various parties and approxi-
19 mately what interest does Koch Industries have within the
20 unit area?

21 A Koch Industries is the record title
22 owner of 15 of these 17 oil and gas leases. They have de-
23 signated McClellan Oil Corporation as the operator of this
24 unit area and of these leases.

25 MR. CATANACH: I have nothing

1 further.

2 Anything further in this case?

3 MR. KELLAHIN: No, sir, we

4 have nothing else.

5 MR. CATANACH: Case 9656 will

6 be taken under advisement.

7

8 (Hearing concluded.)

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C E R T I F I C A T E

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. 9656,
heard by me on April 26 19 89.

David R. Catanaul, Examiner
Oil Conservation Division