

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
STATE LAND OFFICE BLDG.
SANTA FE, NEW MEXICO

31 July 1985

EXAMINER HEARING

IN THE MATTER OF:

Application of Mewbourne Oil Com-
pany for a nonstandard proration
unit and an unorthodox gas well
location, Eddy County, New Mexico.

CASE
8665

BEFORE: Gilbert P. Quintana, Examiner

TRANSCRIPT OF HEARING

A P P E A R A N C E S

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I N D E X

KEN M. CALVERT

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MR. QUINTANA: We'll call next Case 8665.

MR. TAYLOR: The application of Mewbourne Oil Company for a nonstandard proration unit and an unorthodox gas well location, Eddy County, New Mexico.

MR. KELLAHIN: If the Examiner please, I'm Tom Kellahin of Santa Fe, New Mexico, appearing on behalf of the applicant, and I have one witness.

MR. QUINTANA: Any other appearances in Case 8665?

MR. PADILLA: Mr. Examiner, Ernest L. Padilla, Santa Fe, New Mexico, for Santa Fe Exploration Company.

MR. QUINTANA: And no witnesses?

MR. PADILLA: I don't believe so. We will decide whether we would put on testimony today based upon testimony presented by the applicant.

MR. QUINTANA: In that case, would you please remain standing, sir, and be sworn in at this time?

(Witness sworn.)

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KENNETH M. CALVERT,

being called as a witness and being duly sworn upon his oath, testified as follows, to-wit:

DIRECT EXAMINATION

BY MR. KELLAHIN:

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

A My name is Kenneth M. Calvert and I'm Engineering Manager for Mewbourne Oil Company, Tyler, Texas.

Q Mr. Calvert, have you previously testified as an engineer before the Oil Conservation Division of New Mexico?

A I have not.

Q Would you describe for the Examiner what has been your professional educational experience and work experience as an engineer?

A Okay. I graduated from the University of Texas in 1964 with a Bachelor Business Administration in petroleum land management.

In the same year I received a BS degree in petroleum engineering, University of Texas.

I worked seventeen years for Tenneco Oil Company. I began work for Mewbourne Oil Company in 1981, at

1 which I've been in charge of engineering since that time,
2 and including Oklahoma, Texas, and New Mexico.

3 I am a Registered Professional Engineer
4 in the State of Texas, Register Number 80-- excuse me --
5 30889.

6 Q As a petroleum engineer, Mr. Calvert,
7 have you made a study of the facts surrounding this applica-
8 tion by Mewbourne Oil Company?

9 A I have.

10 MR. KELLAHIN: We tender Mr.
11 Calvert as an expert petroleum engineer.

12 MR. QUINTANA: He is considered
13 an expert petroleum engineer.

14 You may proceed.

15 Q Mr. Calvert, I'd like to direct your at-
16 tention to what we've marked as Exhibit Number One and have
17 you spend a moment orienting the Examiner as to where these
18 wells produce and the arrangement of wells in both the Rock
19 Tank Morrow Pool, the upper pool and lower pool.

20 A Okay. This is a map, location map, of
21 the Rock Tank Upper Morrow and Lower Morrow Pools.

22 If you'll note the legend, the Lower Mor-
23 row is indicated in the red. The Upper Morrow is indicated
24 in blue. There are some wells that were dually completed to
25 begin with and there are some that were originally completed

1 in the Lower Morrow and later completed in the Upper Morrow.

2 One well I would like to call your atten-
3 tion to is the Adobe Smith Federal Communitized No. 2, Sec-
4 tion 11. This well was originally completed in the Lower
5 Morrow. It was later recompleted in the Atoka zone; how-
6 ever, sometime, but I don't know the date, it was later
7 placed in the -- I guess we'd call it the pool for the Upper
8 Morrow, but I will show later that it is not in the -- com-
9 pleted in the Upper Morrow sands. It is completed in the
10 Atoka even though it is shown in the Commission records as
11 being in the Upper Morrow.

12 Q What is the spacing for a well pursuant
13 to the existing Upper and Lower Rock Tank Morrow Gas Pool
14 rules?

15 A The gas pool rules are 640 on the spacing
16 and the field rules are 1650 from the lease lines.

17 Q Are there any of the wells listed on Ex-
18 hibit Number One that were drilled pursuant to those pool
19 rules?

20 A I don't know the date that the pool rules
21 were made effective, but if you will note, there appears to
22 be possibly, oh, probably four out of the total of nine
23 wells that do comply with the field rules.

24 Apparently those -- apparently the ear-
25 lier wells were drilled and then the field rules were imple-

1 mented.

2 Q What is the status of the acreage in Sec-
3 tion 13 which you propose to dedicate to your well?

4 A ARCO Oil and Gas had drilled a Smith Fed-
5 eral No. 1. It produced from the Lower Morrow. The well
6 had been plugged and abandoned and we later leased the north
7 half of the Section 13 where we propose to drill a well.
8 That acreage is -- by our nomenclature is known as our Fed-
9 eral K Lease.

10 Q And what is the footage location that you
11 propose to locate this well?

12 A Our proposed location is 660 from the
13 north line and 1980 from the west line of Section 13.

14 Q All right, sir, let's now turn to the
15 status sheet for the wells in the Rock Tank Upper Morrow. I
16 believe it's marked Exhibit Number Two, and have you identi-
17 fy for us the status of wells in the Upper Rock Tank Morrow.

18 A Okay, as I mentioned, the Upper Morrow is
19 indicated on the map, on the Exhibit One, in blue, so if
20 you'll refer to both, between Exhibit Two and Exhibit One,
21 you'll be able to see what I'm referring to.

22 First, on Exhibit Two, I indicate, as is
23 indicated in Commission records, that the Adobe Smith Fed-
24 eral Communitized 2 in Section 11 does show Morrow produc-
25 tion. It is one of two remaining producing completions in

1 the Upper Morrow.

2 The other producing completion is the
3 Monsanto Rock Tank Unit No. 4 in Section 1.

4 The cumulative production from the Adobe
5 Smith Federal 2-P is about 2.7 BCF. The Monsanto Rock Tank
6 Unit 4 is about 2.2 BCF. Current production, or 1984 pro-
7 duction, I should say, is 119-million from the Adobe Smith
8 Federal 2 and 91-million from the Monsanto Rock Tank Unit 4,
9 the first being an average of about 327-million per -- ex-
10 cuse me, MCF per day from the Adobe Smith Federal Communi-
11 tized 2, and 250 MCF per day from the Monsanto Rock Tank
12 Unit 4.

13 The other wells have either been -- well,
14 I will identify them.

15 The Hamon Union Federal is Section 23 had
16 been plugged and abandoned.

17 The Gulf Booth has been plugged and aban-
18 doned.

19 The Boatwright Smith Federal in Section
20 14 has been plugged and abandoned.

21 The Monsanto Rock Tank Unit 1 is now pro-
22 ducing from the Lower Morrow.

23 Q All right, sir, would you now turn to Ex-
24 hibit Number Three and give us a status report on the wells
25 that are carried under the Rock Tank Lower Morrow Pool?

1 A Again, if we will refer between Exhibit
2 One and Exhibit Three, we will find that there in the Lower
3 Morrow there are only two remaining producers. These are
4 the Monsanto Rock Tank Unit 1 in Section 7 -- it produced
5 72-million during the year of 1984; it's cumulative produc
6 tion is 12.7 BCF -- and the Monsanto Dark Canyon in Section
7 18. It produced 73-million for 1984 and it has a cumulative
8 production of 3 -- about 3.3 BCF.

9 The ARCO W. G. Smith Federal in Section
10 13, and that's on the same section that we're addressing in
11 our application, has been plugged and abandoned.

12 The Boatwright Smith Federal in Section
13 14, plugged and abandoned.

14 The Gulf Booth "BO" Federal in Section 12
15 has been plugged and abandoned.

16 The Monsanto Rock Tank Unit in Section 6
17 has been plugged and abandoned.

18 The Rock Tank Unit 4 is still producing
19 from the Upper Morrow.

20 And I believe that identifies all of them
21 that's shown there.

22 Q All right, sir, let me direct your atten-
23 tion now to the structure map which is marked as Exhibit
24 Four. I would like you to, first of all, sir, to identify
25 the structural information that's on Exhibit Number Four.

1 A Okay. This is a structure mapped on the
2 top of the Lower Morrow sand and I will show -- identify the
3 Lower Morrow in Exhibit Six.

4 This shows the -- a 50-foot Isopach --
5 structural interval and it also shows subsea depths of each
6 of the wells.

7 Q Would you tell us something of the --

8 A May I make a correction?

9 Q Yes, sir.

10 A That is not a 50 -- that is 100-foot
11 structural interval.

12 Q Would you give us some of the geologic
13 background that will explain the unique character of this
14 particular Morrow production as defined by this structure in
15 relation to what we might see down in Eddy County in terms
16 of the channel Morrow deposition of that formation?

17 A Okay. This is not what we would term a
18 channel sand and it is -- it has quite a large areal extent.
19 This is an anticlinal feature from a gross sand standpoint
20 or viewpoint, gross sand interval.

21 The sand interval thickens from the south
22 going toward the north along a strike of the structure.

23 The gross sand interval in the Hamon
24 Union Federal in Section 23 is approximately 14 feet up to
25 48 feet in the Monsanto Rock Tank Unit 2 in Section 6.

1 Q Would you -- I'm not sure I heard you,
2 did you describe for us the general thickness as we move
3 from the southwest to the northeast in terms of footage?

4 A Yes. The sand thickens along strike from
5 approximately Section 23 up through 48 feet in Section 6 and
6 it thickens along the strike of the anticlinal feature.

7 Q All right, sir. How have you identified
8 the permeability barrier that's indicated by the words in
9 Section 24?

10 A Okay, the well that's shown as a dry hole
11 in Section 24, and I don't recall the one that drilled that
12 well, however, had a sand there. It was a limey sand.
13 There was enough thickness to have been productive but upon
14 testing the flow rate was something on the order of 100 MCF
15 per day and it was termed uneconomical and plugged.

16 So there is definitely a difference in
17 the -- in the sand facies in that area.

18 Q Mr. Calvert, let me direct your attention
19 to the hatched line circles that surround each of the wells
20 indicated on the structure map and have you explain to us
21 what the significance is of those circles.

22 A Okay, that is shown is Exhibit -- what we
23 have shown as --

24 Q Five. It would be Number Five.

25 A Five. Okay, Exhibit Five. This is en-

1 titled Rock Tank Lower Morrow Drainage Area. I have calcu-
2 lated the drainage area for each one of the wells in the
3 Lower Morrow interval of the Rock Tank Reservoir.

4 The cross hatched area represents just a
5 radius of drainage assuming equal drainage in each direction
6 from the wellbore and thereby from a volumetric calculation
7 thereby representing the area drained by each one of the
8 wells that have been completed in the Rock Tank Lower Mor-
9 row.

10 Beginning with the Adobe Smith Federal,
11 that well drained only about 51 acres.

12 The ARCO W. G. Smith Federal in Section
13 13 drained about 319 acres.

14 The Boatwright Smith Federal in Section
15 14, 182 acres.

16 The Gulf "BO" Federal, Section 12, 344
17 acres.

18 The Monsanto Rock Tank Unit 4, Section 1,
19 268 acres.

20 Rock Tank Unit 7, excuse me, Rock Tank
21 Unit 1 in Section 7, 490 acres.

22 Rock Tank Unit 2, Section 6, 615 acres.

23 The Dark Canyon in Section 18, 244 acres.

24 Now, the reservoir parameters that I used
25 in making this calculation are shown at the bottom of the

1 Exhibit Five, showing a porosity of 11 percent, salt water
2 saturation, 36 percent, the original bottom hole pressure,
3 4310 psig, and that was taken from the drill stem test, and
4 the original productive well, the Monsanto Rock Tank Unit
5 No. 2. That well was completed in May of 1968, and I as-
6 sumed a final bottom hole pressure of 500 psig and a bottom
7 hole temperature of 200 degrees.

8 From a volumetric calculation these areas
9 of drainage have been calculated. Let's see, it would be in
10 the fourth column. It shows a drainage radius and the thing
11 that we want to point out and the reason for application is
12 the area of the reservoir appears to have a larger drainage
13 area as you go to the -- from south to the northeast, as
14 evidenced by the Rock Tank Unit; Monsanto Rock Tank Unit 2
15 in Section 6 having drained 615 acres and just below that
16 the Rock Tank Unit 1 in Section 7 having drained 490 acres.

17 The five wells that are immediately adja-
18 cent to our proposed location, or in adjacent tracts, have
19 averaged draining 228 acres. So this is the reason for our
20 application in that we feel that there can be an economical
21 producer drilled on this acreage.

22 Q In terms of the way you calculated the
23 drainage patterns and applying those to Section 13, in your
24 opinion is there a portion of Section 13 that remains un-
25 drained by existing wells?

1 the Upper Morrow, it is also proven to be a better producer
2 from the southeast -- excuse me, southwest in a northerly
3 direction. So we, for the purposes of improving our loca-
4 tion of both the Lower Morrow and Upper Morrow, we feel that
5 the proposed location would provide a better place for an
6 economic location than the -- a standard location within the
7 field -- pool.

8 Q Do you attach any significance to the
9 fact that the proposed location is within the outer range of
10 the drainage effect from the ARCO Smith Well in Section 13?

11 A Yes. We do feel that that location is
12 partially drained; however, we feel that the partial drain-
13 ing has less significance than we would have if we moved to
14 a normal location for the Rock Tank Lower Morrow. So we re-
15 cognize that it's probably partially drained. The bottom
16 hole pressure is going to be lower there than possibly in
17 the -- a standard location, but we feel like the improvement
18 of the sand quality outweighs the partially drained area.

19 Q The adjoining acreage to which we are
20 moving closer than allowed under the general rules of the
21 pool would be the north boundary of Section 13, is that --

22 A That's correct.

23 Q In your opinion, Mr. Calvert, do you see
24 that Mewbourne is gaining any advantage over any of the
25 operators or owners in Section 12 by moving closer to that

1 common line?

2 A No, I do not in that the Gulf Booth Fed-
3 eral have been -- was drilled and completed and has been de-
4 pleted and, you know, if they have been problems within that
5 section then the lease owners of Section 12 would certainly
6 drill and protect their correlative rights.

7 As I mentioned previously, on the west
8 side of Section 13, that would include Section 13, 12, 11,
9 and 14, all of those wells have already been depleted in the
10 Upper Morrow. So anybody further desires to develop it
11 there would be nothing that would preclude them from doing
12 so.

13 Q Let's turn to the cross section which is
14 Exhibit Number Six, now, Mr. Calvert.

15 A Okay. I draw your attention to the
16 righthand side of the Exhibit Six. This shows a general
17 area of -- of the Rock Tank Field. This is section C-C'.
18 The left of the cross section begins with a dry hole in Sec-
19 tion 11, through the Adobe Smith Federal in the southeast
20 corner of Section 11, through the ARCO now abandoned W. G.
21 Smith Federal in Section 13, and finally to the dry hole
22 that was previously mentioned in Section 24.

23 The intent of this cross section is to
24 show the points that the Adobe Smith Federal is completed.
25 If you will note, and that is the log that is the second

1 from your left, if you will note the perforations of the
2 Adobe Smith Federal are, oh, this is a small scale but it
3 appears to be about 9705 to maybe 9720.

4 As indicated, the Morrow Lime on that
5 particular log occurs at about 9730. Morrow Clastics begin
6 just above 9800. The Upper Morrow Sands that we're inter-
7 ested in are in the vicinity of 9900 feet through about
8 10,050 feet. And finally, the Lower Morrow is in the vicin-
9 ity of 10,200 feet as identified on the Adobe Smith Federal.

10 Q Looking at the Adobe log, Mr. Calvert,
11 what is the footage location for the Adobe well out of the
12 corner of Section 11?

13 A That's 660 feet from the south line and
14 330 feet from the east line.

15 Q I believe the log section shows the per-
16 forations that Adobe made in the Lower Morrow?

17 A Yes. The Lower Morrow perforations were
18 approximately 10,185 to 10,220, or thereabouts.

19 Q And the well information that you have
20 used shows the volume of gas produced out of the Lower Mor-
21 row?

22 A Yes, it produced from a Lower Morrow a
23 total of 457-million and then it was abandoned.

24 Q Was the Adobe well produced in what you
25 have described as the Upper Morrow?

1 A We have no record of seeing any perfora-
2 tions ever made in the Upper Morrow Sands. I was originally
3 perforated in Lower Morrow and the Atoka, and as I mentioned
4 previously, the well, when it was completed in the Atoka,
5 was filed as an Atoka producer and for some unknown reason
6 to me, it is now in the Upper Morrow of the Rock Tank.

7 Q The proposed Upper Morrow section in your
8 well would be that interval defined on the cross section and
9 would not be comparable to the Atoka section in the Adobe
10 well?

11 A No, that's correct. They're not --
12 they're not comparable -- correlative.

13 Q Correlative. In looking at the Adobe log
14 do you see any potential for perforating and testing any of
15 the section in the Upper Morrow for that well?

16 A No.

17 Q As we look at the cross section, how does
18 the Upper Morrow correlate to the other wells on the cross
19 section?

20 A Well, the intervals, the correlative in-
21 tervals correlate and they can be identified and it just so
22 happens that the Adobe there is not sufficient porosity de-
23 veloped in the Upper Morrow Sands to make an economic pro-
24 ducer.

25 Q Would you now, sir, identify for us Exhi-

1 bits Seven and Eight, which I believe are the waiver let-
2 ters?

3 A We have received waiver letters from two
4 companies that offset Section 13 where we desire to drill an
5 unorthodox location and a substandard unit.

6 The first one, identified as Exhibit
7 Seven, is a mutual waiver between Mewbourne Oil Company and
8 Monsanto, and I read a portion of the first paragraph.

9 Monsanto Oil Company has no objection to
10 granting of a drilling permit at this location and does not
11 object to the granting of a nonstandard unit as applied for.

12 Now, I might point out that Monsanto is
13 the only company that has producing wells that are actually
14 in the Upper and Lower Morrow. The other wells down there
15 have been depleted. I would see no drainage and again there
16 is no offset producers in the Upper and Lower Morrow other
17 than Monsanto.

18 The second paragraph: In consideration
19 of Monsanto Oil Company's waiver, Mewbourne Oil Company
20 hereby waives objection to the granting of a drilling permit
21 by Monsanto for approval of a nonstandard 320-acre spacing.

22 Now, this was intended for the east half
23 of Section 12, so Monsanto, this was their request, that
24 this waiver be set up in this manner to where we would not
25 object to them. So they are apparently of the opinion that

1 there is a drillable location there and that that area is
2 only draining approximately 320 acres, also.

3 Q With the exception of the waiver letters,
4 Mr. Calvert, were the balance of the exhibits prepared by
5 you or compiled under your direction and supervision?

6 A That is correct. I would like to -- we
7 didn't discuss the waiver letter from Yates.

8 Q All right, sir, if you'll do that.

9 A Exhibit Eight is a waiver letter from
10 Yates: Yates Petroleum Corporation has no objection to Mew-
11 bourne Oil Company's application for an unorthodox well lo-
12 cation on the captioned acreage.

13 Yates has no production in the area and
14 they offset us to the south.

15 Now, to answer your previous question, I
16 either prepared the exhibits myself or had them prepared un-
17 der my direction.

18 MR. KELLAHIN: We'd move the
19 introduction of Mewbourne Exhibits One through Eight, Mr.
20 Examiner.

21 MR. QUINTANA: Exhibits One
22 through Eight will be entered as evidence.

23 Mr. Padilla, do you have ques-
24 tions of the witness?

25 MR. PADILLA: May I have a mo-
ment, Mr. Examiner?

1 MR. QUINTANA: You may.

2
3 CROSS EXAMINATION

4 BY MR. PADILLA:

5 Q Mr. Calvert, first let me refer to your
6 Exhibit Number Seven, I believe, which is the mutual waiver
7 between yourself -- your company and Monsanto Oil Company.

8 In that regard can you tell me whether
9 Monsanto intends to drill the east half of Section 12 as a
10 nonstandard proration unit?

11 A I have no idea.

12 Q Now, the east half of --

13 A Now your nonstandard, that would be 320
14 acres?

15 Q Correct.

16 A Okay. 320 acres is shown. I didn't men-
17 tion it, but on -- on Exhibit Four, the heavily dashed lines
18 that surround Sections 1, 6, 7, and 12 is known as the Mon-
19 sonto Rock Tank Unit, and your question was were they
20 intending to drill a substandard well in Section 12?

21 Q Nonstandard proration unit comprised of
22 the east half of Section 12.

23 A That I do not know.

24 Q Did you obtain the consent of the co-
25 owner of the west half of Section 12 or did you attempt to

1 obtain the waiver?

2 A I did not. I did not obtain a waiver.
3 I cannot answer whether or not we attempted to or not. The
4 waivers were handled by our land people and I can't answer
5 that question.

6 Q Can you tell me what your primary objec-
7 tive is for the drilling of the well at your proposed loca-
8 tion? Is that the Atoka?

9 A Our primary objective is the Lower Mor-
10 row.

11 Q But you'll test the Atoka and the Upper
12 Morrow as well?

13 A Barely. Yeah, we'll be going through
14 them. We'll have to test them.

15 Q What do you believe to be the drainage
16 area of your well insofar as it may encroach upon the south
17 half of Section 12?

18 A Well, I have drawn all of those as a rad-
19 ius of drainage and keeping the same scenario in mind, I
20 have averaged the -- the five wells that's adjacent to Sec-
21 tion 13. They average 228 acres and I haven't calculated an
22 average area of drainage for 228 acres but it is going to go
23 over onto the south half of Section 12; I don't know how
24 much.

25 Q Well, would you anticipate your well to

1 be more like the Adobe Smith Federal No. 1 or the ARCO Smith
2 No. 1 Well?

3 A Well, it would -- it would be more like
4 the ARCO Smith Federal No. 1 in Section 13. Hopefully it
5 would be. If it were no better than the Adobe, we wouldn't
6 drill it.

7 Now, as I mentioned before, that is in a
8 partially depleted area and I don't think it will produce as
9 much as the ARCO Smith Federal but it should be an economic
10 producer there.

11 Q Did you endeavor to form a 320-acre spac-
12 ing unit of the west half of Section 13?

13 A The west half of Section 13. Well,
14 again, I can't answer that question. Those things are
15 handled by the land people and I can't answer that question.

16 Q Wouldn't a more logical location for your
17 well be located at 660 from the west line and 1980 from the
18 north line of Section 13?

19 A Would you repeat that now?

20 Q Wouldn't your proposed well location be
21 more logical at 660 from the west line of Section 13 and
22 1980 from the north line of Section 13?

23 A Oh, no, I don't think it would be be-
24 cause, as I emphasized before, the Upper Morrow gets better
25 the further you go to the northeast along the strike of the

1 -- of the same Upper -- Lower Morrow structure.

2 The Lower Morrow thickens in the north-
3 easterly direction and for that reason we would want to move
4 to the -- even though it looks like there's an open area
5 down there that doesn't show any drainage -- we feel like
6 the sand quality is better at the location than it is at 660
7 and 19 -- 660 from the west line and 1980 from the north
8 line, as you suggested.

9 Q Well, let's just take the standard loca-
10 tion, then, under the current pool rules of 1650 and 1650
11 from the west and north lines, where you'd really get approx-
12 imately the same kind of circle as -- as the ARCO Smith
13 Federal No. 1.

14 Wouldn't you get approximately the same
15 -- same type of circle?

16 A Well, you possibly would but, as empha-
17 sized, our opinion is that the sand quality is going to be
18 better the further north we go than it is at either the
19 standard location or this location that you suggested.

20 Q Would you have any idea whether Mewbourne
21 Oil Company would consent to a nonstandard proration unit of
22 the west half of Section 12?

23 A Nonstandard location; I don't see that
24 there's be any problem.

25 Like I say, that -- Gulf had the well

1 drilled in the west half of it. It is depleted and if the
2 owners of the west half of Section 12 needed to protect
3 their correlative rights I would see no problem there.

4 Q But the owner of the west half of Section
5 12 winds up sort of being squeezed out by virtue of the mu-
6 tual consent between yourselves and Monsanto that you've
7 given each other.

8 It appears that way. Don't you agree
9 with that?

10 A Well, that still would not preclude the
11 -- the owner of the west half to drill a well. We wouldn't
12 object to it.

13 We feel like the drainage, as indicated,
14 is less than 320 acres, and so if you have the west half, I
15 have no objection to your draining -- drilling on the west
16 half of Section 12.

17 Q Would you agree that possibly Monsanto
18 would object to -- well, maybe -- strike that question.

19 Would your company have an objection to
20 drilling a nonstandard proration unit comprising the west
21 half of Section 12 with a nonstandard location 660 from the
22 south line of the Section 12?

23 In other words, and offset to your pro-
24 posed location, that 660 is from the south line of Section
25 12?

1 Case 8665?

2 If not, the witness may be ex-
3 cused.

4 Case 8665 will be taken under
5 advisement.

6

7 (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

DOCKET MAILED

Date _____

I do hereby certify that the foregoing is a correct and true copy of the transcript of the hearing held on July 31, 1985 at 8665.
Sillat P. Quintana
Oil Conservation Division