

NEW MEXICO OIL CONSERVATION COMMISSION

EXAMINER HEARINGSANTA FE, NEW MEXICOHearing Date JULY 31, 1985 Time: 9:00 A.M.

NAME	REPRESENTING	LOCATION
W. T. Kellockin	Kellockin & Kellockin	Santa Fe
THIL T. BREWER	J.M. HUBER	Frederick
Bill Langman	J.M. Huber	Midland
Wm L McCay	Consolidated	Santa Fe
Bob Huber	Byram	Santa Fe
Jim Buser	Hinkle Law Firm	Santa Fe
BILL HORNE	J.M. Huber Corp.	Midland
CHARLES CHOLSON	CCD	A-tee
Jerry Franklin	Hedberg Corp.	Rawl
ERNEST L. PADILLA	ATTORNEY AT LAW	SF
William L. Fall	Campbell and Beck	Santa Fe
Jan Carlson	Self	Midland
Robert H. Strand	Douglas H. Anderson	Rawl
Wm. P. Aycock	"	Midland
Patrick J. Town	Santa Fe Energy Co.	Midland
Jeffrey Evans	"	"
Ladd M. Huber	Rio Pecos Corp.	Midland

NEW MEXICO OIL CONSERVATION COMMISSION

EXAMINER HEARINGSANTA FE, NEW MEXICOHearing Date JULY 31, 1985 Time: 8:00 A.M.

NAME	REPRESENTING	LOCATION
Ken Calvert	Newbourne Oil Co	Tyler, TX
Brad Hentschel	Edmundson & Assoc.	Denver
GREG WILSON	Marshall R. Young Oil Co.	Midland
Tom Brace	Marshall R. Young Oil Co	Ft Worth
Bill Ellis	J. M. Huber Corp.	Midland, TX

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

31 July 1985

EXAMINER HEARING

IN THE MATTER OF:

The hearings called by the Oil Con-
servation Division on its own motion
to permit El-My-Ri Oil Company, et
al, and Carroll and Cornell, et al,
to appear and show cause why a
certain wells in San Juan County
should not be plugged and abandoned
in accordance with a Division-ap-
proved plugging program.

BEFORE: Gilbert P. Quintana, Examiner

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation

Division:

Jeff Taylor

Legal Counsel to the Division
Oil Conservation Division
State Land Office Bldg.
Santa Fe, New Mexico 87501

For the Applicant:

1	
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4	CHARLES GHOLSON
5	Direct Examination by Mr. Taylor
6	Cross Examination by Mr. Quintana
7	
8	
9	
10	
11	
12	E X H I B I T S
13	
14	CASE 8653
15	Division Exhibit One, History
16	Division Exhibit Two, Photo
17	Division Exhibit Three, Quadrangle
18	Division Exhibit Four, Plugging Program
19	
20	CASE 8654
21	Division Exhibit One, History
22	Division Exhibit Two, Map
23	Division Exhibit Three, Photo
24	Division Exhibit Four, Plugging Program
25	

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MR. QUINTANA: The hearing will come to order for Docket No. 24-85.

This morning we're going to call Case 8653, which is in the matter of the hearing called by the Oil Conservation Division on its own motion to permit El-My-Ri Oil Company and other interested parties to appear and show cause why the Martin Well No. 3, located 2190 feet from the south line and east line of Section 34 in San Juan County, should not be plugged and abandoned in accordance with a Division-approved plugging program.

MR. TAYLOR: Mr. Examiner, my name is Jeff Taylor. I'm counsel for the Oil Conservation Division.

I have one witness who needs to be sworn, and we would like to request that this case be consolidated with the following case on the docket, No. 8654, --

MR. QUINTANA: In that --

MR. TAYLOR: -- for purposes of testimony.

MR. QUINTANA: In that case we'll call Case 8654, also, which is in the matter of the hearing called by the Oil Conservation Division on its own motion to permit Carroll and Cornell and all other inter-

1 ested parties to appear and show cause why the Cornell Fed-
2 eral Lease Well No. 9 should not be plugged and abandoned in
3 accordance with Division-approved plugging program.

4 Are there appearances in Case
5 8653 and 8654?

6 If not, would you please stand
7 at this time and be sworn in?

8
9 (Witness sworn.)

10
11 You may proceed, Mr. Taylor.

12
13 CHARLES GHOLSON,
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. TAYLOR:

19 Q Will you please state your name,
20 position, and place of residence for the record, please?

21 A I'm Charles Gholson. I'm a Deputy
22 Inspector with the OCD in Aztec, New Mexico.

23 Q You're an inspector for the OCD in Aztec?

24 A Yes, sir.

25 Q And how long have you been so employed?

• • • •

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1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Lichtenthaler and Whistler (1973). The *Chlorophyll a* and *Chlorophyll b* contents were expressed as $\mu\text{g g}^{-1}$ of dry weight.

10

1 A Thirteen years.

2 Q Have you previously testified before the
3 Commission and had your credentials accepted as a matter of
4 record?

5 A Yes.

6 MR. TAYLOR: Mr. Examiner, I'd
7 like to move that the witness be accepted as an expert wit-
8 ness on the subject.

9 MR. QUINTANA: He is considered
10 an expert witness. You may proceed.

11 Q Mr. Gholson, does your district, District
12 III, include the -- that part of San Juan County involved in
13 these two cases?

14 A Yes, sir.

15 Q Would you then please state the purpose
16 of Case 8653?

17 A 8653 is an old well that has been idle,
18 never produced, since 1958, and in order to protect hydro-
19 carbons, fresh water, environment, I recommend the well be
20 plugged.

21 Q Do you have several exhibits I could give
22 to the examiner?

23 A Yes, sir.

24 Q All right, Mr. Gholson, would you then
25 state the purpose of the Case 8654 for us?

the fact that the \mathcal{H}^1 -norm of the function f is finite, we can conclude that f is a function of bounded variation. This is a key property that allows us to apply the theory of functions of bounded variation to the study of the \mathcal{H}^1 -norm.

It is important to note that the \mathcal{H}^1 -norm is not a norm in the usual sense, as it does not satisfy the triangle inequality. However, it is a seminorm, and it is this property that makes it useful in the study of functions of bounded variation.

The \mathcal{H}^1 -norm is also closely related to the concept of the total variation of a function. In fact, the \mathcal{H}^1 -norm of a function f is equal to the total variation of f over the domain of interest. This relationship is a key result in the theory of functions of bounded variation.

One of the main applications of the \mathcal{H}^1 -norm is in the study of the regularity of functions. In particular, the \mathcal{H}^1 -norm is used to define the space of functions of bounded variation, which is a central object of study in the theory of partial differential equations.

The \mathcal{H}^1 -norm is also used in the study of the convergence of sequences of functions. In particular, the \mathcal{H}^1 -norm is used to define the concept of weak convergence, which is a key tool in the study of the convergence of sequences of functions.

In conclusion, the \mathcal{H}^1 -norm is a fundamental concept in the theory of functions of bounded variation. It is a seminorm that is closely related to the total variation of a function, and it is used to define the space of functions of bounded variation. The \mathcal{H}^1 -norm is also used in the study of the regularity of functions, the convergence of sequences of functions, and the convergence of sequences of functions.

1 A Well, it's the same as Case 8653, except
2 for domestic water wells in this area, which contain gas and
3 are unusable and I -- it's my contention that the Carroll
4 and Cornell, Cornell No. 9, is causing or contributing to
5 this problem.

6 These are domestic water wells original-
7 ly.

8 Q Okay. Have you reviewed the reports in
9 the files of the Commission on these cases?

10 A Yes, sir.

11 Q Would you please go through these records
12 with us for case, first Case 8653?

13 A As the exhibits?

14 Q Uh-huh.

15 A Okay. Exhibit One is a brief history
16 of, and the present status of, the El-My-Ri Oil Company Mar-
17 tin No. 3.

18 Exhibit Two is just a print of a photo-
19 graph of the well.

20 Exhibit Three is a copy of a USGS Quad-
21 rangle showing the exact location of the well.

22 Exhibit Four is a Division-approved plug-
23 ging program.

24 And the Carroll and Cornell exhibits are
25 about the same.

1 One is a brief history of the well.
2 Two is a site map.
3 Three is a photograph.
4 Four is a Division-approved plugging pro-
5 gram.

6 Q Do you happen to know when the last offi-
7 cial form or communication was filed with the Commission on
8 either of these cases, on either of these wells?

9 A Yes, sir, the El-My-Ri Well was converted
10 to a water well in 1963. The landowner signed the Affidavit
11 of Responsibility for conversion to a water well. He is de-
12 ceased and the property has changed hands several times.

13 The well is improperly plugged and pre-
14 sents a hazard.

15 Q How about the well in Case 8654?

16 A The last correspondence was 1949. This
17 well was completed in the Mesaverde as a dry hole (not un-
18 derstood).

19 Q Do you have any other communications rel-
20 ative to either of these wells that should be brought to the
21 attention of the Commission?

22 A No, sir, I do not.

23 Q Okay, and your Exhibit Four in each -- in
24 each case is an approved plugging program.

25 Could you just briefly go through each of

1 those for us?

2 A Yes, sir. The El-My-Ri Well has 8-5/8ths
3 at 100 feet, 25 sacks of cement; has 4-1/2 at 1350 with 175
4 sacks with a plug, a 10-sack cement plug at 800 feet.

5 Intend to go in the hole with a bit,
6 drill out that plug, clean out hole to TD, set a bottom plug
7 inside the casing; find a free point, shoot and pull the
8 casing or perforate above the free point; set a cement plug
9 at the casing stub to cover the Ojo Alamo; set a top plug
10 150 to 50 feet in and below the surface pipe; set a dry hole
11 marker, 10 sacks of cement.

12 And the Carroll and Cornell well, clean
13 out hole to TD, 4450; set a cement plug -- this well has two
14 strings of casing in it, by the way -- set a cement plug
15 4450 to 4100 feet inside in the string of casing; find a
16 free point on the 3-1/2 casing, shoot it and pull it; find a
17 free point on the 5-inch casing, shoot and pull it; set a
18 cement -- 150-foot cement plug at the 5-inch casing stub;
19 set a plug 700 feet to 550 to cover the Ojo Alamo; set a
20 cement plug 140 feet to 40 feet in and outside the surface;
21 set a dry hole marker.

22 Q Thank you. The well in Case 8653, did
23 you state that it's venting gas?

24 A A small amount, a bare trace.

25 Q Okay, and this well in Case 8653, in your

1 opinion could failure to plug this well cause waste and
2 create a hazard?

3 A Yes, sir, it could. One major thing,
4 this area is being subdivided now into blocks and it's being
5 developed very rapidly. The well would present a hazard.

6 Q Are these exhibits in Case 8653 copies of
7 documents received in the normal course of business or were
8 they documents prepared by you or under your supervision or
9 control?

10 A They were all prepared by me.

11 MR. TAYLOR: Mr. Examiner, I'd
12 like to move the admission of Exhibits One through Four in
13 Case 8653.

14 MR. QUINTANA: Exhibits One
15 through Four will be accepted as evidence.

16 Q And in Case 8654 you said you believed
17 that the well in that case was leaking gas, also.

18 A Yes, I think it has a casing failure.

19 Q And would failure to plug this well cause
20 waste or create a hazard?

21 A Well, it already has, as a matter of
22 fact, several of these domestic water wells in the area have
23 a large amount of gas in them that could be dangerous, too.

24 Q And were the Exhibits One through Four in
25 this case prepared by you or under your supervision?

1 A Yes, sir.

2 MR. TAYLOR: Mr. Examiner, I'd
3 like to move the admission of Exhibits One through Four in
4 Case 8654.

5 MR. QUINTANA: Exhibits One
6 through Four in Case 8654 will be accepted as evidence in
7 Case 8654.

8 Mr. Gholson, I have a couple of
9 questions for you.

10 A Okay.

11

12 CROSS EXAMINATION

13 BY MR. QUINTANA:

14 Q In Case 8653, the Martin Well No. 3, that
15 well was plugged back to 800 feet and converted to a water
16 well. Are you stating that that plug that was originally
17 put in there was not adequate?

18 A Yes, sir.

19 Q It was not properly plugged?

20 A Right. It's the plug below the Ojo
21 Alamo. We should have cement across the Ojo Alamo in this
22 area and it also should have a bottom plug on the bottom.

23 Q How did it come to your attention tha
24 the well was venting gas?

25 A I was told the well was there. I four

1 the well, looked up the records, and I went out and checked
2 it with an "explosometer".

3 Q On Case 8654, the Cornell Well No. 9,
4 that was never plugged at all.

5 A No, sir, it was not plugged.

6 Q And how did that come to your attention
7 to -- I guess because of the wells in the area exhibiting
8 gas in them.

9 A Right, I found it looking for casing
10 failures in that area.

11 MR. QUINTANA: I have no fur-
12 ther questions of the witness.

13 Are there further questions of
14 the witness? If not, the witness may be excused.

15 Case 8653 and 8654 will be
16 taken under advisement.

17

18 (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 was reported by me; that the said
transcript is a full, true, and correct record of the hear-
ing, prepared by me to the best of my ability.

Sally W. Boyd CSR

I do hereby certify that the foregoing is
a correct and true transcript of the proceedings in
the Exam. and hearing of Case No. 8653.E' 8654
heard by me on July 31 1985.
Gilbert P. Plumb Examiner
Oil Conservation Division

