

CASE 4396: Appli. of KLABZUBA,
MUNSON AND SEAMAN FOR A DUAL
COMPLETION & SALT WATER DISPOSAL.

Case Number

4396

Application
Transcripts.

Small Exhibits

ETC.

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
August 5, 1970

EXAMINER HEARING

IN THE MATTER OF:

Application of Klabzuba, Munson and
Seaman for a dual completion and salt
water disposal, Chaves County, New Mexico.

Case No. 4396

BEFORE: Elvis A. Utz, Examiner

TRANSCRIPT OF HEARING

DEARNLEY-MEIER REPORTING SERVICE

MR. UTZ: Case 4396.

MR. HATCH: Case 4396, Application of Klabzuba, Munson and Seaman for a dual completion and salt water disposal, Chaves County, New Mexico.

ROBERT V. RATTS

appearing as a witness, first having been duly sworn, testified as follows:

MR. RATTS: Mr. Examiner, since I have never witnessed in this State, I wish to give my qualifications. I am a graduate mechanical engineer from Kansas State University. I have spent twenty years in production and management positions in eight States in the United States and Canada. I am a registered petroleum engineer in the State of Texas. I am acting as agent for the firm of Klabzuba, Munson and Seaman.

MR. HATCH: Would you repeat your name?

MR. RATTS: Ratts, R-a-t-t-s, Robert V.

MR. HATCH: What is your first name?

MR. RATTS: Robert. Mr. Examiner, we have presented a plat of a map with an area of two-mile radius around the proposed injection wells, also diagramatic sketch of the proposed injection well and a well log of a proposed injection well.

If you will notice, there are three sets of perforations. There is an upper set of perforations in the San Andres

Formation from 2,186 to 2,204. We feel that this section is producing some gas right now. The well has been down for several days or several weeks and we are using some gas off this to run the engine on the Klabzuba, Munson and Seaman Number 1. In order to conserve natural resources and use this gas we propose to set a packer some place around 2,250 below this set of perforations and above the two set of perforations, one at 2,262 to 69 and one at 2,283 to 89, dispose of our water down tubing under a packer set at approximately 2,250 and into those bottom set of perforations and hope to be able to produce gas to run our engine from the top set of perforations.

It might also be of interest to the Commission to know that the surface casing in the Varel Avalanche Journal Well, which is the well we propose to dispose in, 10 3/4 casing was set at 415 feet with 115 sacks circulated, 4 1/2 casing was set at 2,320 with 475 sacks. A temperature survey shows the top of the cement to be approximately 300 feet so the entire well bore is cased with cement as a safety precaution. Should we experience at any time a leak in this tubing we would immediately know it by water coming down our gas line into our engine.

We feel it is in the interest of conservation to attempt to use this energy available through the top perforations. We therefore request this request be approved.

DIRECT EXAMINATION

BY MR. UTZ:

Q How much water do you intend to inject?

A We intend to inject not more than around 150 barrels. Right now we are making fifteen to twenty barrels a day. It will be increased under pressure, I am sure. We do not know the exact pressure now but we expect it to be around 200, 150 to 200 pounds. There are no offset operators, no other wells in the area producing from the San Andres zone.

Q Is your tubing going to be plastic lined?

A No, it will not.

Q Is the tubing installed in the well now?

A Yes, sir, but it doesn't have a packer in. Rods and tubing are in the well now. We will have to pull the rods and the tubing out and go back with a Baker Model "A" packer and set it at proper place. In my past experience in water disposal, I found that plastic coated tubing is not the answer.

Q What is the answer?

A I would like to know. We have not found it. Plastic will chip off at the threads and every place else and I have never found a plastic tubing that would stay with me. This water is not corrosive water either.

Q Do you have an analysis on the water?

A Yes we do but I do not have it with me.

Q Do you know what the chlorides --

A Chloride content of it runs around thirty to thirty-five thousand; no hydrogen sulphide.

Q Is this tubing the same tubing that is in the well now that you intend to use?

A Yes, sir.

Q How long has it been in there?

A I can not answer that, I do not know. We furnished the well from barrel, yes.

Q You don't know how old the casing is, then?

A Yes, sir. It was completed in April of 1964 so it is six years old, cemented all the way from top to bottom.

MR. UTZ: Any other questions of the witness?

MR. HATCH: Do you wish to enter any of these as exhibits?

A Yes, I talked to the Artesia office and they said you would have everything needed.

MR. HATCH: You have a copy of the log there?

MR. UTZ: Oh yes. We don't have a copy of Exhibit Number 1, though.

MR. HATCH: What do you need?

MR. UTZ: Well I guess this is it.

A That is the plat I sent you, yes, sir.

MR. HATCH: And you have everything there.

(Whereupon, Exhibit Number 1
was marked, offered and
admitted into evidence.)

Q (By Mr. Utz) Mr. Ratts, the surface casing is
10 3/4?

A That's right.

Q And set at 420 feet with 115 sacks. How far does
that cement come up?

A That was circulated, yes, sir.

Q Any fresh water in this area?

A Not in the immediate area, no, sir. There is
fresh water approximately 2 1/2 miles south.

MR. UTZ: Any other questions of the witness?

Witness may be excused. Statements? Thank you, sir.

The case will be taken under advisement.

I N D E X

WITNESS

R. V. RATTIS

Direct Examination by Mr. Utz

PAGE

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E X H I B I T S

EXHIBIT

MARKED

OFFERED AND
ADMITTED

Applicant's 1

6

6

I, SOVEIDA GONZALES, Court Reporter, do hereby
certify that the foregoing and attached Transcript of Hearing
before the New Mexico Oil Conservation Commission
was reported by me; and that the same is a true and
correct record of the said proceedings, to the best of my
knowledge, skill and ability.

Lucinda M. Douglas
COURT REPORTER

I do hereby certify that the foregoing is
a complete record of the proceedings in
the Examiner hearing of Case No. 4386.
heard by me on July 5, 1920.
[Signature], Examiner
New Mexico Oil Conservation Commission



OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO

P. O. BOX 2088 - SANTA FE

87501

GOVERNOR
DAVID F. CARGO
CHAIRMAN

LAND COMMISSIONER
ALEX J. ARMijo
MEMBER

STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

August 12, 1970

Mr. Robert V. Ratts
Consulting Petroleum Engineer
1209 Birch
Hurst, Texas 76053

Re: Case No. 4396
Order No. R-4012
Applicant:
Klabzuba, Munson & Seaman

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/ir

Copy of order also sent to:

Hobbs OCC x

Artesia OCC x

Aztec OCC

Other State Engineer Office

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE No. 4396
Order No. R-4012

APPLICATION OF KLABZUBA, MUNSON
AND SEAMAN FOR A DUAL COMPLETION
AND SALT WATER DISPOSAL, CHAVES
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on August 5, 1970,
at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 12th day of August, 1970, the Commission, a
quorum being present, having considered the testimony, the record,
and the recommendations of the Examiner, and being fully advised
in the premises,

FINDS:

(1) That due public notice having been given as required by
law, the Commission has jurisdiction of this cause and the subject
matter thereof.

(2) That the applicant, Klabzuba, Munson and Seaman, seeks
authority to complete its (Varel) Avalanche Journal Well No. 1,
located in Unit N of Section 18, Township 10 South, Range 28 East,
NMPM, Race Track-San Andres Pool, Chaves County, New Mexico, as a
dual completion to produce gas from the San Andres formation in
the perforated interval from approximately 2186 feet to 2204 feet
of the Race Track-San Andres Pool through the casing-tubing
annulus and to dispose of produced salt water into the San Andres
formation through tubing below a packer set at approximately 2240
feet, with injection into the perforated interval from approxi-
mately 2262 feet to 2289 feet.

(3) That approval of the dual completion and salt water
disposal as set out above will prevent the drilling of unnecessary

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CASE No. 4396
Order No. R-4012

wells, and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Klabzuba, Munson and Seaman, is hereby authorized to complete its (Varel) Avalanche Journal Well No. 1, located in Unit N of Section 18, Township 10 South, Range 28 East, NMPM, Race Track-San Andres Pool, Chaves County, New Mexico, as a dual completion to produce gas from the San Andres formation in the perforated interval from approximately 2186 feet to 2204 feet of the Race Track-San Andres Pool through the casing-tubing annulus and to dispose of produced salt water into the San Andres formation through tubing below a packer set at approximately 2240 feet, with injection into the perforated interval from approximately 2262 feet to 2289 feet;

PROVIDED HOWEVER, that the applicant shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations;

PROVIDED FURTHER, that should the casing-tubing annulus in the subject well begin making water, the operator of the subject well shall immediately cease all disposal operations and notify the Artesia District Office of the Oil Conservation Commission, Drawer DD, Artesia, New Mexico, that the annulus in the subject well is making water. Disposal operations shall not then be resumed until approved by the Commission.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

DAVID F. GARGO, Chairman

ALEX J. ARMISTO, Member

A. L. PORTER, Jr., Member & Secretary

esr/

4386

Heard 8-5-70.

Rec. 8-7-70.

Grant Clabguda, Munson & Seaman
request for S&D & Gas
Deal.

SW shall be injected thru 2"
cased tubing thru a packer
into San Andreas Perfs 2262-69,
2283-89. Gas shall be produced
for lease use thru perfs at
2186-2204 into casing tubing
(4 1/2 x 2) annulus.

Well is cemented as follows.

10 3/4 surface. 420 to surface.

4 1/2 2320 to 324.

But provision that if
Gas begins to make water
comm. shall be stopped
EJ

Docket No. 18-70

DOCKET: EXAMINER HEARING - WEDNESDAY - AUGUST 5, 1970

9 A.M. - OIL CONSERVATION COMMISSION CONFERENCE ROOM,
STATE LAND OFFICE BUILDING - SANTA FE, NEW MEXICO

The following cases will be heard before Elvis A. Utz, Examiner, or Daniel S. Nutter, Alternate Examiner:

CASE 4385: (Continued from the July 15, 1970 Examiner Hearing)

Application of King Resources Company for a unit agreement, Otero County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Brokeoff Mountain Unit Area comprising 37,747 acres, more or less, of Federal, State and Fee lands in Townships 24, 25, and 26 South, Ranges 19 and 20 East, Otero County, New Mexico.

CASE 4388: Application of Humble Oil & Refining Company for an exception to Order No. R-3221, as amended, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil on the surface of the ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico. Said exception would be for applicant's Florence B. Lusk, DeSmet Federal, and Hesse Federal leases located in Sections 6 and 7 of Township 15 South, Range 30 East, Double L Queen Pool, Chaves County, New Mexico. Applicant seeks authority to dispose of salt water produced by wells on said leases in unlined surface pits located in the vicinity of said wells.

CASE 4389: Application of Coastal States Gas Producing Company for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Upper Pennsylvanian formation through the perforated interval from 9789 to 9924 feet in its State "27" Well No. 2 located in Unit P of Section 27, Township 14 South, Range 32 East, Turk-Pennsylvanian Pool, Lea County, New Mexico.

CASE 4390: Application of Murphy H. Baxter for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the North E-K Queen Unit Area comprising 978 acres, more or less, of State lands in Township 17 South, Range 33 East, and Township 18 South, Ranges 33 and 34 East, E-K Yates-Seven Rivers-Queen Pool, Lea County, New Mexico.

Examiner Hearing - August 5, 1970

Docket No. 18-70

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- CASE 4391: Application of Murphy H. Baxter for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in its North E-K Queen Unit Area by the injection of water into the Queen formation through 4 wells located in Units A, D, F, and G of Section 7, Township 18 South, Range 34 East, E-K Yates-Seven Rivers-Queen Pool, Lea County, New Mexico. Applicant further seeks a procedure whereby said project may be expanded administratively without a showing of well response.
- CASE 4392: Application of Southwestern Natural Gas, Inc. for the assignment of back allowable, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the assignment of back allowable to its Mershon Gas Comm Well No. 1 located in Unit A of Section 21, Township 22 South, Range 23 East, Indian Basin-Upper Pennsylvanian Gas Pool, Eddy County, New Mexico, for the period from the date of completion of said well on September 22, 1969, to the date of connection of said well on June 4, 1970.
- CASE 4393: Application of Mobil Oil Corporation for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Devonian formation in the open-hole interval from 12,240 feet to 12,463 feet in its Santa Fe Pacific Well No. 3 located in Unit M of Section 26, Township 9 South, Range 36 East, Crossroads-Devonian Pool, Lea County, New Mexico.
- CASE 4394: Application of Phillips Petroleum Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Plata Deep Unit Area comprising 5,600 acres, more or less, of Federal and State lands in Sections 8, 9, 10, 11, 14, 15, 16, 22 and 23 of Township 20 South, Range 32 East, Lea County, New Mexico.
- CASE 4395: Application of Consolidated Oil & Gas, Inc. for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Abo formation in the perforated interval from 8915 to 8926 feet in its Shipp Well No. 1-17 located in Unit H of Section 17, Township 17 South, Range 37 East, Midway Abo Pool, Lea County, New Mexico.

Examiner Hearing - August 5, 1970
Docket No. 18-70

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CASE 4396: Application of Klabzuba, Munson and Seaman for a dual completion and salt water disposal, Chaves County, New Mexico. Applicants, in the above-styled cause, seek authority to dually complete its (Varel) Avalanche Journal Well No. 1 located in Unit N of Section 18, Township 10 South, Range 28 East, Chaves County, New Mexico, in such a manner as to produce gas from the San Andres formation in the perforated interval from 2186 to 2204 feet of the Race Track (San Andres) Pool through the casing-tubing annulus and dispose of produced salt water through tubing into the San Andres formation of said pool in the perforated interval from 2262 to 2289 feet.

CASE 4397: In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Rio Trust and all other interested persons to appear and show cause why the following Rio Trust wildcat wells located in Section 2, Township 1 North, Range 2 East, Rio Arriba County, New Mexico, should not be plugged and abandoned in accordance with a Commission-approved plugging program:

Little Chama Valley Co. Well No. 1
located 660 feet from the North line
and 1380 feet from the West line;

Sargent Well No. 1 located 925 feet
from the West line and 1445 feet from
the South line.

CASE 4267: (Reopened)

In the matter of Case No. 4267 being reopened by the Oil Conservation Commission on its own motion to permit Edward M. Kriss and all other interested parties to appear and show cause why the Edward M. Kriss Little Chama Valley Company Well No. 1, a wildcat well, located 545 feet from the North line and 1530 feet from the West line of Section 2, Township 1 North, Range 2 East, Rio Arriba County, New Mexico, should not be plugged and abandoned in accordance with a Commission-approved plugging program.

CASE 4398: Application of Michael P. Grace and Corinne Grace for compulsory pooling and unorthodox gas well locations, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests from the surface of the ground down to and including the Morrow formation underlying the N/2

Examiner Hearing - August 5, 1970

Docket No. 18-70

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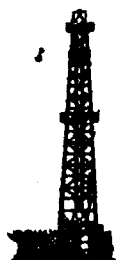
(Case 4398 continued)

and the S/2 of Section 2, Township 23 South, Range 26 East, Eddy County, New Mexico, to form two 320-acre proration units for the production of gas from any or all zones of the Pennsylvanian formation. Said N/2 and S/2 to be dedicated to wells to be drilled respectively, at unorthodox locations 2500 feet from the North line and 330 feet from the East line of said Section 2 and 990 feet from the South line and 660 feet from the East line of said Section 2.

Also to be considered will be the costs of drilling said wells, a charge for the risk involved, provisions for the allocation of actual operating costs, and the establishment of charges for supervision of said wells.

CASE 4354: (Continued from the July 1, 1970, Examiner Hearing)

Application of Michael P. Grace and Corinne Grace for compulsory pooling, Eddy County, New Mexico. Applicants, in the above-styled cause, seek an order pooling all mineral interests from the surface of the ground down to and including the Morrow formation underlying the N/2 of Section 11, Township 23 South, Range 26 East, South Carlsbad Field, Eddy County, New Mexico, said acreage to be dedicated to a well to be drilled in either the NE/4 NW/4 or the NW/4 NE/4 of said Section 11. Also to be considered will be the costs of drilling said well, a charge for the risk involved, a provision for the allocation of actual operating costs, and the establishment of charges for supervision of said well.



ROBERT V. RATTTS

Consulting Petroleum Engineer
1209 BIRCH
HURST, TEXAS 76053
BU 2-1221

July 6, 1970

New Mexico Oil Conservation Commission
State Land Office Building
Santa Fe, New Mexico

Re: Klabzuba, Munson, & Seaman
(Varel) Avalanche Journal No. 1
Chaves Co., New Mexico
18,10-28

Gentlemen:

Enclosed are:

Plat of D. W. Varel, Avalanche Journal No. 1 and surrounding area for a two mile radius, diagrammatic sketch of proposed injection well, and well log.

The surface and minerals are owned or leased by Plains Radio and Broadcasting Co., 220 W. 6th St., Amarillo, Texas.

No wells are producing from the proposed injection interval of the San Andres within an approximate radius of four or five miles.

To conserve natural resources, we propose to equip the well with a Baker Mod. "A" tension packer and dispose of produced salt water from the Klabzuba, Munson, & Seaman, White No. 1 Devonian well Sec. 13-10-27 down the tubing below a packer into the San Andres perforations at 2262'-2269' and 2283'-2289'; and use produced gas from the San Andres perforations at 2166'-2200' thru the casing, to operate the gas engine on the White No. 1 Devonian Well.

Of additional advantage and safety is the fact that the long string on the caption well is cemented back and tied into the surface casing.

We respectfully request an administrative approval of this request because there are no offset operators. Thank you.

Sincerely,

Robert V. Ratts
Agent

Encl.
RVR/nr

MAIN OFFICE 000

'70 JUL 8 PM 1 13

MC-

Set for hearing

Case #396

DOCKET MAILED

Date 7/23/70

Proposed water disposal well
Klabzuba, Munson & Seaman (Varel) White #1
Chaves Co. N.M. Sec. 18, 10-28
Produced gas

Cement top, Temp. Survey 325'

10 3/4" casing, H-40, 32.75 #
Set @ 420' w/ 115 SX

Cur.

4 1/2" casing 11.6 # set @ 2320' w/
375 SX Interior & 100 SX Reg.

Well Site:

Temp. Survey 325 by temp survey

4 1/2" x 2" annulus.

2", 4.7 # BRD. EUE. tubing

BEFORE EXAMINER I

OIL CONSERVATION COM.

EXHIBIT NO. 1

CASE NO. 4396

PRODUCE GAS THRU CASING
FROM SAN ANDRES PERF.
2186'-2204'

Perf. 2186'-2204'

Baker Mod. "A" tension packer
set @ 2230' (approx)

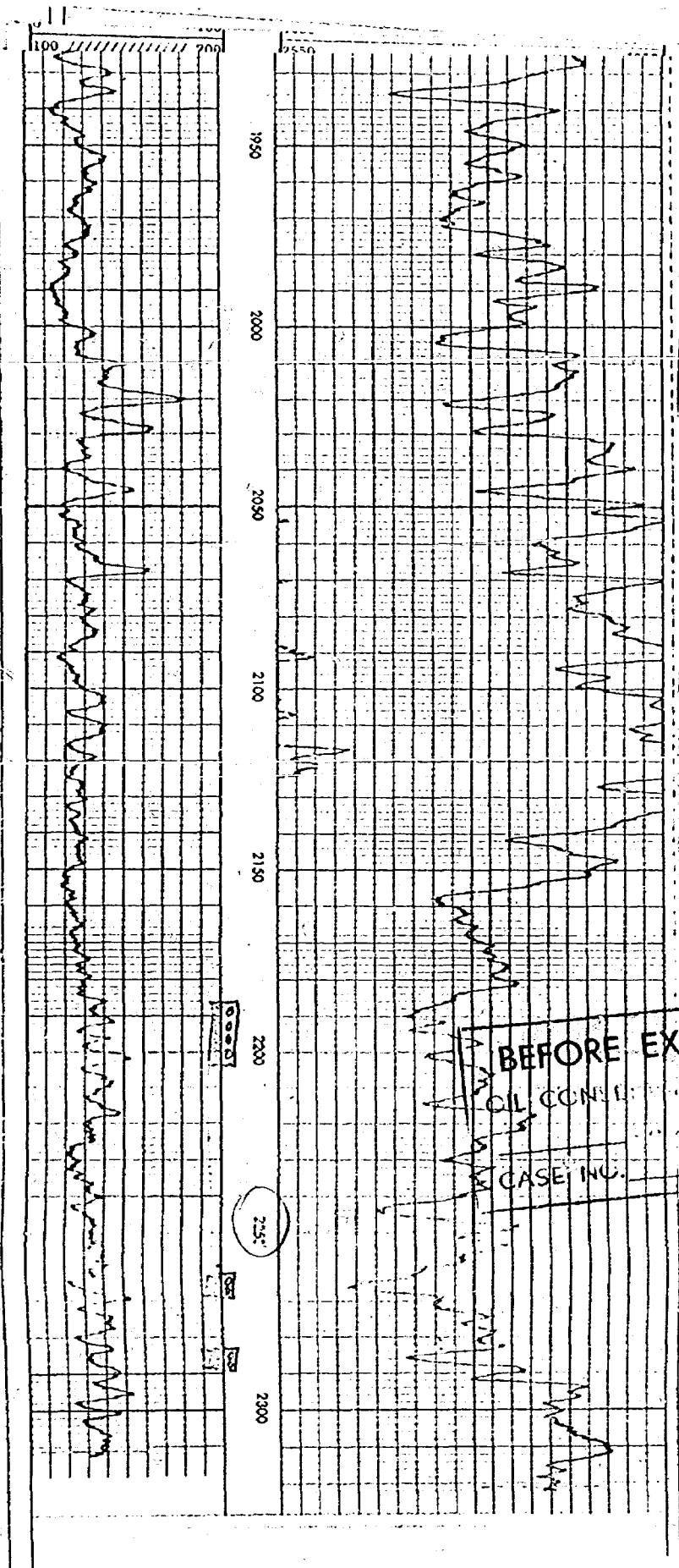
Case 4396

SALT WATER INJECTED
INTO SAN ANDRES
PERFORATIONS 2262'-2269'
2283'-2289'

Perf 2262'-2269'

Perf 2283'-2289'

2320'



VAREL
#1 AVALANCHE -
JOURNAL
660' FSL 1980 FWL
see 18-105-28E
Chaves Co, NM

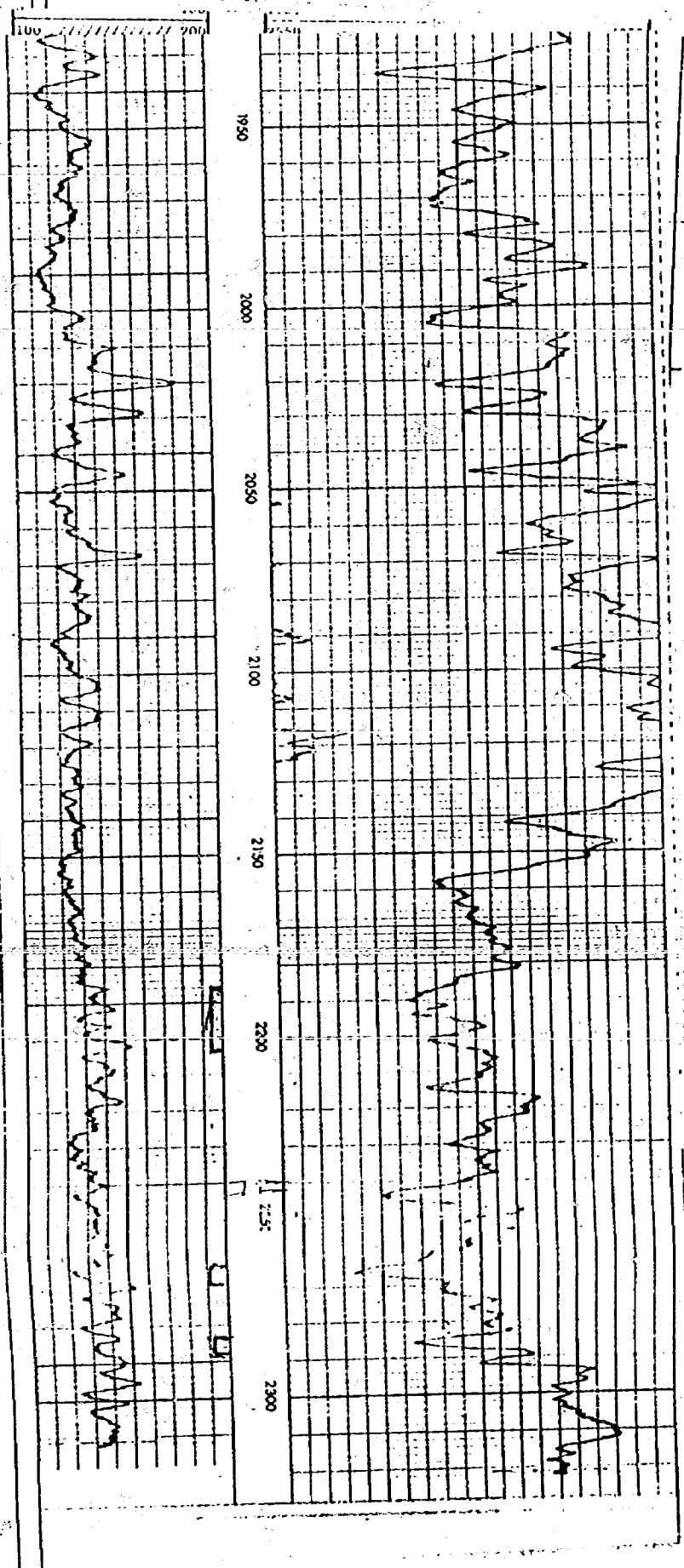
BEFORE EXAMINER UT7
OIL COMPANY COMMISSION
NO. 2
CASE NO. 4386

4396
Case 4386

<p>Humble 8-15-77 L-170</p> <p>10</p> <p>State</p>	<p>11</p> <p>State</p>	<p>12</p> <p>State</p>	<p>13</p> <p>State</p>	<p>14</p> <p>State</p>	<p>15</p> <p>State</p>	<p>16</p> <p>State</p>	<p>17</p> <p>State</p>	<p>18</p> <p>State</p>	<p>19</p> <p>State</p>	<p>20</p> <p>State</p>	<p>21</p> <p>State</p>	<p>22</p> <p>State</p>	<p>23</p> <p>State</p>	<p>24</p> <p>State</p>	<p>25</p> <p>State</p>	<p>26</p> <p>State</p>	<p>27</p> <p>State</p>	<p>28</p> <p>State</p>	<p>29</p> <p>State</p>	<p>30</p> <p>State</p>	<p>31</p> <p>State</p>	<p>32</p> <p>State</p>	<p>33</p> <p>State</p>	<p>34</p> <p>State</p>	<p>35</p> <p>State</p>	<p>36</p> <p>State</p>	<p>37</p> <p>State</p>	<p>38</p> <p>State</p>	<p>39</p> <p>State</p>	<p>40</p> <p>State</p>	<p>41</p> <p>State</p>	<p>42</p> <p>State</p>	<p>43</p> <p>State</p>	<p>44</p> <p>State</p>	<p>45</p> <p>State</p>	<p>46</p> <p>State</p>	<p>47</p> <p>State</p>	<p>48</p> <p>State</p>	<p>49</p> <p>State</p>	<p>50</p> <p>State</p>	<p>51</p> <p>State</p>	<p>52</p> <p>State</p>	<p>53</p> <p>State</p>	<p>54</p> <p>State</p>	<p>55</p> <p>State</p>	<p>56</p> <p>State</p>	<p>57</p> <p>State</p>	<p>58</p> <p>State</p>	<p>59</p> <p>State</p>	<p>60</p> <p>State</p>	<p>61</p> <p>State</p>	<p>62</p> <p>State</p>	<p>63</p> <p>State</p>	<p>64</p> <p>State</p>	<p>65</p> <p>State</p>	<p>66</p> <p>State</p>	<p>67</p> <p>State</p>	<p>68</p> <p>State</p>	<p>69</p> <p>State</p>	<p>70</p> <p>State</p>	<p>71</p> <p>State</p>	<p>72</p> <p>State</p>	<p>73</p> <p>State</p>	<p>74</p> <p>State</p>	<p>75</p> <p>State</p>	<p>76</p> <p>State</p>	<p>77</p> <p>State</p>	<p>78</p> <p>State</p>	<p>79</p> <p>State</p>	<p>80</p> <p>State</p>	<p>81</p> <p>State</p>	<p>82</p> <p>State</p>	<p>83</p> <p>State</p>	<p>84</p> <p>State</p>	<p>85</p> <p>State</p>	<p>86</p> <p>State</p>	<p>87</p> <p>State</p>	<p>88</p> <p>State</p>	<p>89</p> <p>State</p>	<p>90</p> <p>State</p>	<p>91</p> <p>State</p>	<p>92</p> <p>State</p>	<p>93</p> <p>State</p>	<p>94</p> <p>State</p>	<p>95</p> <p>State</p>	<p>96</p> <p>State</p>	<p>97</p> <p>State</p>	<p>98</p> <p>State</p>	<p>99</p> <p>State</p>	<p>100</p> <p>State</p>
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<p>1</p> <p>Humble 0-15-77 L-170</p> <p>State</p>	<p>2</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>3</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>4</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>5</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>6</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>7</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>8</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>9</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>10</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>11</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>12</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>
<p>13</p> <p>Humble 0-15-77 L-170</p> <p>State</p>	<p>14</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>15</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>16</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>17</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>18</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>19</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>20</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>21</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>22</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>23</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>24</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>
<p>25</p> <p>Humble 0-15-77 L-170</p> <p>State</p>	<p>26</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>27</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>28</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>29</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>30</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>31</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>32</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>33</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>34</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>35</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>	<p>36</p> <p>Louisiana Ld. & Expl. U.S. Smelling J.P. White, Jr., et al.</p>

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WAREL
#1 AVALANCHE -
JOURNAL
660' FSL 1980 FWL
SEC 18-105-28E
CHAVES CO, NM

Co. CHAVES

POOL WILDCAT

STATE N.M. KROENLEIN

COMPANY Daniel W. Vare1 - #1 - Avalanche Journal

ELEV. 3761
DFLOC 660' FSL & 1980' FWL
Sec. 18, T.10-S, R.28-E
2500' RT

PAY STIMULATION

Perf: 2186-
2289

CASING

10 3/4- 415- 115
4 1/2- 2320- 475

TOPS

Yates 415
Queen 1025
Penrose 1120
S. And. 1545

SPD. 12-11-63 COMP. 3-20-64

I. P. P. 21 BO & 10 BW/24 hrs.

ERL 25. GOR - TP CP

REMARKS: Show of wtr/200'; show of
dead oil/500'; show of oil/2145-
2270'; CONT'D. PAGE 2.TP 2186 (S. And.)
TD 2321
PBD 2315

CHAVES, N.M. 18-10-28 K-
Daniel W. Varel - #1 - Avalanche Journal PAGE 2.

Flow 65-70 bbls. oil while running csg.

Perf 1 SPF: 2186-2204'; would not take attempted
frac; 6000 acid

Perf 2 SPF: 2262-69; would not take attempted
frac; 750 acid

Perf 2 SPF: 2283-2289; 10,000 Frac (sanded up
w/1000# sd.).

DRAFT

GMH/esr

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

GMH IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

at CASE No. 4396

Order No. R-4012

APPLICATION OF KLABZUBA, MUNSON
AND SEAMAN FOR A DUAL COMPLETION
AND SALT WATER DISPOSAL, CHAVES
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on August 5, 1970,
at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this day of August, 1970, the Commission, a
quorum being present, having considered the testimony, the record,
and the recommendations of the Examiner, and being fully advised
in the premises,

FINDS:

(1) That due public notice having been given as required by
law, the Commission has jurisdiction of this cause and the subject
matter thereof.

(2) That the applicant, Klabzuba, Munson and Seaman, seeks
authority to complete its (Varel) Avalanche Journal Well No. 1,
located in Unit N of Section 18, Township 10 South, Range 28 East,
NMPM, Race Track-San Andres Pool, Chaves County, New Mexico, as a
dual completion to produce gas from the San Andres formation in
the perforated interval from approximately 2186 feet to 2204 feet
of the Race Track-San Andres Pool through the casing-tubing
annulus and to dispose of produced salt water into the San Andres
formation through tubing below a packer set at approximately 2270
feet, with injection into the perforated interval from approxi-
mately 2262 feet to 2289 feet.

~~(3) That the produced salt water should be continuously treated prior to injection to prevent tubing corrosion and coupon corrosion tests should be conducted continuously on said well and the results thereof filed quarterly with the Commission until further notice from the Secretary-Director of the Commission.~~

(3)(4) That approval of the dual completion and salt water disposal as set out above will prevent the drilling of unnecessary wells, and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Klabzuba, Munson and Seaman, is hereby authorized to complete its (Varel) Avalanche Journal Well No. 1, located in Unit N of Section 18, Township 10 South, Range 28 East, NMPM, Race Track-San Andres Pool, Chaves County, New Mexico, as a dual completion to produce gas from the San Andres formation in the perforated interval from approximately 2186 feet to 2204 feet of the Race Track-San Andres Pool through the casing-tubing annulus and to dispose of produced salt water into the San Andres formation through tubing below a packer set at approximately 2240 feet, with injection into the perforated interval from approximately 2262 feet to 2289 feet;

PROVIDED HOWEVER, that the produced salt water shall be continuously treated prior to injection to prevent tubing corrosion; that coupon corrosion tests shall be conducted continuously on said well and the results thereof filed quarterly with the Commission until further notice from the Secretary-Director of the Commission;

However
PROVIDED FURTHER, that the applicant shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

not page for further provided

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

6. *Provided further, that should the gas coming out of the subject well begin making water, the operator of the subject well shall immediately cease all disposal operations and notify the Artesia District Office of the Conservation, Denver, D. B. Artesia, New Mexico, that the subject well is making water from gas gone in. The subject well is making water. Disposal operations shall not then be resumed until approved by the Commission.*

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

*Provided further, that should the gas casing-
making apparatus
gone in the subject well begin
making water, the operator of the
subject well shall immediately
close all disposal operations and
notify the Artesia District Office
of the ^{Oil Conservation} Commission, Drawer D, Artesia,
New Mexico, that the subject well is
making water ~~from~~ ^{annulus} ~~gas gone in~~
the subject well is making water.
Disposal operations shall not then be
resumed until approved by the Commission.*

CASE 4397: MOTION OF THE OCC FOR
PLUGGING RIO TRUST WELLS IN
RIO ARriba COUNTY, NEW MEXICO

Case 4397