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4905

Application  
Transcripts.

Small Exhibits

ETC.

dearnley, meier &amp; mc cormick

209 SIMMS BLDG., P.O. BOX 1092, PHONE 243-6691, ALBUQUERQUE, NEW MEXICO 87103  
1216 FIRST NATIONAL BANK BLDG., EAST ALBUQUERQUE, NEW MEXICO 871081  
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BEFORE THE  
NEW MEXICO OIL CONSERVATION COMMISSION  
MORGAN HALL, STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO  
Wednesday, February 14, 1973

## EXAMINER HEARING

IN THE MATTER OF:

Application of John H. Hendrix for two  
dual completions, Lea County, New  
Mexico.

Case No. 4905

BEFORE: Daniel S. Nutter,  
Examiner

*Register for 2/14 in  
back of this transcript*

TRANSCRIPT OF HEARING

dearnley, meier &amp; mc cormick

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1 MR. NUTTER: Call Case Number 4905.

2 MR. CARR: Case 4905, application of John H. Hendrix  
3 for two dual completions, Lea County, New Mexico.

4 MR. NUTTER: Is there anyone here to make an  
5 appearance in Case 4905?

6 (No response.)

7 MR. NUTTER: We will call the case again at the  
8 conclusion of the docket.

9 \*\*\*\*\*

10 MR. NUTTER: We will call again Case Number 4905.

11 MR. CARR: Case 4905, application of John H. Hendrix  
12 for two dual completions, Lea County, New Mexico.

13 MR. KELLAHIN: If the Examiner please, Jason Kellahin,  
14 Kellahin & Fox, Santa Fe, appearing for the applicant, and we  
15 have one witness I'd like to have sworn.

16 WILLIAM J. LeMAY,  
17 a witness, having been first duly sworn according to law, upon  
18 his oath, testified as follows:

19 DIRECT EXAMINATION

20 BY MR. KELLAHIN:

21 Q Will you state your name, please?

22 A William J. LeMay.

23 Q What business are you engaged in, Mr. LeMay?

24 A I am a Consulting Geologist in Santa Fe, New Mexico.

25 Q In connection with your work as Consulting Geologist, have

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1 you done any work for John H. Hendrix in connection with  
2 Case Number 4905?

3 A I have, sir.

4 Q Have you testified before the Oil Conservation Commission  
5 or one of its Examiners and made your qualifications a  
6 matter of record?

7 A Yes, I have.

8 MR. KELLAHIN: Are the witness' qualifications  
9 acceptable?

10 MR. NUTTER: Yes, they are.

11 Q (By Mr. Kellahin) Mainly, what is proposed by John H.  
12 Hendrix in Case 4905?

13 A Mr. Hendrix proposes a dual completion in both his Number  
14 2 and Number 3 Cossatot "B" Number 2 and "B" Number 3  
15 Wells in Section 12, Township 22 South, Range 37 East,  
16 Lea County, New Mexico. He proposes to set two strings  
17 of tubing inside 5 1/2 inch casing and one of the tubing  
18 strings would be anchored by a packer which would separate  
19 the Drinkard Zone and the Granite Wash pay zone, the two  
20 proposed pays in both wells.

21 Q Now, referring to what has been marked as Exhibit Number  
22 1, would you identify that exhibit, please?

23 A Exhibit Number 1 is a land location well map in the area  
24 of Mr. Hendrix' two wells. It shows the acreage owned  
25 or controlled by Mr. Hendrix in Section 12, being the 120

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1 acres colored yellow on Exhibit 1. It also shows  
 2 surrounding wells and surrounding lease ownership.

3 Q Now, referring to what has been marked as Exhibit Number  
 4 2, would you identify that exhibit?

5 A Exhibit Number 2 is a well location acreage dedication  
 6 plat for the Hendrix Cossatot "B" Number 2.

7 Q And Exhibit Number 3?

8 A Exhibit Number 3 is the New Mexico Oil Conservation Well  
 9 Recompletion Report on the Cossatot Number 2. It shows  
 10 the completion in the Granite Wash zone from 7201 to 7297.  
 11 As shown on this form, the interval was perforated at  
 12 7201, 7238, 49, 65, 73, 80, 90, and 7297; acidized with  
 13 8,000 gallons and potentialized flowing for 36 barrels of  
 14 oil and 125 Mcf, 0 water, with 30 pounds of flowing tubing  
 15 pressure.

16 Q Do you have any bottomhole pressure information?

17 A No, sir, only the flowing tubing pressure. Neither zone  
 18 was drill stem tested by Mr. Hendrix.

19 Q Now, referring to Exhibit Number 4, can you identify that  
 20 exhibit?

21 A Exhibit Number 4 is a diagrammatic sketch of the Cossatot  
 22 "B" Number 2 with the proposed completion. In referring  
 23 to Exhibit Number 5 at the same time, which is a  
 24 temperature survey, this information is shown on Exhibit  
 25 2. The 8 5/8 inch casing was set at 1,166 feet and

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1 cemented with 425 sacks, that was circulated.

2 Now, the 5 1/2 inch production string was set at  
3 TD with the top of the cement, by temperature survey, at  
4 4,000 feet. The proposal is to set a Baker Model D  
5 production packer at 7,100 feet.

6 The two strings of 2 1/16 inch would be set at 7,300  
7 feet. I might correct that; one string would be set at  
8 7,300, the other string would be set at 6,910.

9 Now, Mr. Hendrix would like the Commission to grant  
10 an alternate completion for this well in the event the  
11 Drinkard zone was a gas zone. In the event the Drinkard  
12 produced nothing but gas, the second string of tubing  
13 would not be necessary and the well could be completed  
14 with the gas flowing to the surface inside of the casing  
15 and produced at the surface without a second string of  
16 tubing. In this regard, a well that Sohio recently  
17 completed in Unit F of Section 12 potentialled 41 barrels  
18 of oil plus 1,000,000 cubic feet of gas per day, and it is  
19 always possible that a completion in this area would yield  
20 less fluid and be classified as a gas well; and if this  
21 was the case, the second string of tubing would not be  
22 needed.

23 MR. NUTTER: Where was the Sohio well?

24 THE WITNESS: Unit F, Section 12.

25 MR. NUTTER: It was an oil well?

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1 THE WITNESS: Well, it was technically gas.

2 MR. NUTTER: What was the GOR?

3 THE WITNESS: I haven't calculated that. I just got  
4 that by phone.

5 MR. NUTTER: What was the --

6 THE WITNESS: Flowing 41 barrels of oil and 1,000,000  
7 cubic feet of gas.

8 MR. NUTTER: That would only be a GOR of 24,000 so  
9 that would be an oil well. But he thinks he might get a gas  
10 well?

11 THE WITNESS: It's possible because of the large  
12 interval that's perforated in the Drinkard and the varying  
13 permeabilities. It's possible to have a gas well. In the  
14 event it was a well similar to the Sohio well, which Mr.  
15 Hendrix does have an interest in, I think he'd certainly want  
16 to set the string of tubing to get the oil.

17 Q (By Mr. Kellahin) What he wants to do, depending on the  
18 amount of fluid that is encountered in the zone, he wants  
19 to have the alternative to complete it one way or the  
20 other, is that correct?

21 A That's correct, sir, to have that option in the order, if  
22 possible. The proposed perforations in the Drinkard zone  
23 are from 6266 to 6880, with 27 holes. The Drinkard  
24 porosity varies through this rather large interval. I  
25 think that pretty well explains Exhibit Number 4.



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1 Q Now, you've also discussed Exhibit Number 5, that is your  
2 temperature survey.

3 A That is correct, that is Exhibit Number 5.

4 Q Now, in turning to Exhibit Number 2a, would you explain  
5 that exhibit?

6 A I might explain first Exhibit Number 6. There is only  
7 one copy of the logs run on the Cossatot "B" Number 2.  
8 Exhibit 2a is a well location acreage dedication plat for  
9 the Cossatot "B" Number 3 Well, also operated by John  
10 Hendrix.

11 Q And Exhibit Number 3a?

12 A Exhibit Number 3a is the New Mexico Oil Conservation  
13 Recompletion Report and Log. It shows, again, the Granite  
14 Wash completion, gross perforated at 7176 to 7420, which  
15 was acidized with 8,000 gallons. The well potentialed  
16 flowing on a 24-hour test was 3664 under 1 inch choke,  
17 27 barrels of oil, 100 Mcf of gas, 18 barrels of water,  
18 for a GOR of 3704. The well flowed with 50 pounds of  
19 tubing pressure. There is a calculated 24-hour rate of  
20 41 barrels of oil, 140 Mcf gas, 18 barrels of water, 42  
21 gravity. This well is temporarily rented pending  
22 negotiations for a gas contract on the casing-head gas.

23 Q Now, turning to Exhibit 4a, would you identify that exhibit?

24 A Exhibit 4a is a diagrammatic sketch of the Cossatot "B"  
25 Number 3 Well with the proposed completion, which is very

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1 similar to Exhibit Number 4, which describes the Cossatot  
2 "B" Number 2.

3 A string of 8 5/8 inch casing was set at 1,190 feet,  
4 cemented with 400 sacks circulated to the surface.

5 A producing string of 5 1/2 inch casing was set at  
6 TD with a temperature survey showing the top of the cement  
7 at 3,920 feet.

8 The 2 1/16 inch tubing would be set at 7425, anchored  
9 below a Baker Model D production-type packer set at 7,050  
10 feet. This would carry the oil from the Wantz-Granite  
11 Wash Pay, which was perforated, again, at 7176 to 7420.

12 Above that packer, the Drinkard zone would be  
13 isolated and would be perforated from 6296 to 6912, with  
14 19 holes. The tubing would be necessary if the well was  
15 completed as an oil well, but in the event it was a gas  
16 well Mr. Hendrix would like to have the option to produce  
17 the Drinkard gas through the casing.

18 Exhibit Number 5a is a temperature survey which was  
19 incorporated in Exhibit Number 4a. And I think the last  
20 exhibit, being Exhibit 6a, are the logs run on the  
21 Cossatot "B" Number 3.

22 Q In your opinion, will completion as proposed by Mr.  
23 Hendrix effectively separate the two producing horizons  
24 involved in these two wells?

25 A Yes, sir, his completion proposed would do that.

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1 Q Were Exhibits 1 through 6a inclusive forwarded to you by  
2 Mr. Hendrix?

3 A Yes, sir, they were.

4 Q Have you examined them, and, in your opinion, do they  
5 correctly reflect the situation in these two wells?

6 A Yes, sir, they do.

7 MR. KELLAHIN: At this time I'd like to offer in  
8 evidence the Exhibits 1 through 6a inclusive.

9 MR. NUTTER: Exhibits 1 through 6a inclusive will be  
10 admitted in evidence.

11 MR. KELLAHIN: That concludes the Direct Examination.

12 CROSS-EXAMINATION

13 BY MR. NUTTER:

14 Q Mr. LeMay, does the method of completion proposed for  
15 each well provide for the installation of artificial lift  
16 equipment and production to completion without waste?

17 A My understanding is that as long as the zones are flowing,  
18 there will be no necessity to, of course, put on a pump.  
19 But I'm sure Mr. Hendrix plans to put on the artificial  
20 lifting equipment if it's found necessary; and whether it's  
21 found necessary to do so --

22 Q What I'm driving at, the method of completion proposed in  
23 the event these two zones would be oil zones would make  
24 artificial lift possible, is this correct?

25 A Yes, sir.

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1 Q Now, we don't have the bottomhole pressure on either zone.  
2 Would you have Mr. Hendrix furnish that to you and then in  
3 turn furnish it to us, either based on these wells or  
4 wells in the vicinity?

5 A I know from experience, generally, that the Drinkard zone  
6 bottomhole pressure currently is 1,000 to 1,500 pounds,  
7 in that range. The Granite Wash zone, I anticipate being  
8 slightly greater; but I'll have Mr. Hendrix furnish you  
9 this data.

10 Q And then, you do feel the Baker Model D packer proposed  
11 can stand the differential between the two zones?

12 A Yes, sir.

13 MR. NUTTER: Are there further questions of Mr. LeMay?

14 (No response.)

15 MR. NUTTER: He may be excused. Do you have anything  
16 further, Mr. Kellahin?

17 MR. KELLAHIN: That's all.

18 MR. NUTTER: Does anyone have anything they wish to  
19 offer in Case 4905?

20 (No response.)

21 MR. NUTTER: We will take the case under advisement.  
22  
23  
24  
25

1 STATE OF NEW MEXICO )  
 ) ss  
 2 COUNTY OF BERNALILLO )

3 I, JOHN DE LA ROSA, a Court Reporter, in and for the  
 4 County of Bernalillo, State of New Mexico, do hereby certify  
 5 that the foregoing and attached Transcript of Hearing before  
 6 the New Mexico Oil Conservation Commission was reported by me;  
 7 and that the same is a true and correct record of the said  
 8 proceedings to the best of my knowledge, skill and ability.

I do hereby certify that the foregoing is  
 a complete record of the proceedings in  
 the Examiner hearing of Case No. 4905  
 heard by me on 2/14, 1975.

*John D. La Rosa*  
 COURT REPORTER

12 *John D. La Rosa*, Examiner  
 New Mexico Oil Conservation Commission

# I N D E X

14	<u>WITNES</u>	<u>PAGE</u>
15	WILLIAM J. Le VAY	
16	Direct Examination by Mr. Kellahin	3
17	Cross-Examination by Mr. Nutter	10

# E X H I B I T S

20	<u>OFFERED</u>	<u>ADMITTED</u>
21	Exhibits 1 - 6a	10
22		
23		
24		
25		

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## NEW MEXICO OIL CONSERVATION COMMISSION

## EXAMINER HEARING

SANTA FE, NEW MEXICO

Hearing Date FEBRUARY 14, 1973 TIME: 9 A.M.

NAME	REPRESENTING	LOCATION
Pennie Chastin	Texas Pacific Al Co	Midland, TX
John D Russell	Newmont & T.P.	Roswell
M. J. Englund	Placerville Co	Saginaw, MI
W. B. Simmons Jr.	Mobil Oil Corp	Midland
A. R. Kendrick	OCC	Agua, Tex
Bud Isaacs	Union Oil Co of Calif	Midland, TX
Paul Cooter	Howard & Malone (for Alamo)	Roswell
Roy CARTER	AMOCO	DENVER
Saul Cohen	Southern Union	Santa Fe
Bob Long	Southern Union	Farmington
R. J. M. Cray	✓	Stallis
P. T. Mc Grath	U.S.G.S	Farmington
ORAN L. HAZELTINE	SOUTHERN UNION	DALLAS
Carl Traywick	U.S.G.S	Roswell
Richard S. Morrison	Montgomery, Federal	Santa Fe
JERRY W LONG	U.S.G.S.	DURANGO, COLO
J. C. Hamey	OCC	Hobbs NM

NEW MEXICO OIL CONSERVATION COMMISSION

EXAMINER HEARING

SANTA FE, NEW MEXICO

Hearing Date FEBRUARY 14, 1973

TIME: 9 A.M.

NAME	REPRESENTING	LOCATION
<i>E. L. Muesel</i>	<i>OCC</i>	<i>El Paso</i>
<i>Norman Woodruff</i>	<i>EPNG</i>	<i>"</i>
<i>J. B. Magruden</i>	<i>EPNG</i>	<i>"</i>
<i>L. E. Mabe Jr</i>	<i>EPNG</i>	<i>ARMINGTON</i>
<i>Harold Adams</i>	<i>✓</i>	<i>El Paso</i>
<i>Bill Luman</i>	<i>Hendrix</i>	<i>S. F.</i>
<i>E. R. Mannering</i>	<i>El Paso National</i>	<i>El Paso</i>
<i>Jason Kellahin</i>	<i>Kellahin &amp; Co.</i>	<i>Santa Fe</i>
<i>Nomi Paulson</i>	<i>RW Ryman &amp; Co.</i>	<i>ST</i>
<i>James C. Corneilme</i>	<i>EPNG</i>	<i>EP</i>



# OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO  
P. O. BOX 2088 - SANTA FE  
87501

GOVERNOR  
BRUCE KING  
CHAIRMAN  
LAND COMMISSIONER  
ALEX J. ARMJO  
MEMBER  
STATE GEOLOGIST  
A. L. PORTER, JR.  
SECRETARY - DIRECTOR

February 21, 1973

Mr. Jason Kellahin  
Kellahin & Fox  
Attorneys at Law  
Post Office Box 1769  
Santa Fe, New Mexico

Re: Case No. 4905  
Order No. R-4485  
Applicant:  
John H. Hendrix

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.*  
A. L. PORTER, Jr.  
Secretary-Director

ALP/ir

Copy of order also sent to:

Hobbs OCC x  
Artesia OCC         
Aztec OCC       

OTHER



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. 4905  
Order No. R-4485

APPLICATION OF JOHN H. HENDRIX  
FOR TWO DUAL COMPLETIONS,  
LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on February 14, 1973, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 21st day of February, 1973, 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, John H. Hendrix, seeks authority to complete his Cossatot "B" Wells Nos. 2 and 3, located in Units M and N, respectively, of Section 12, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico, as dual completions (conventional) to produce oil from the Drinkard and Wantz-Granite Wash Pools through parallel strings of tubing.

(3) That the mechanics of the proposed dual completions are feasible and in accord with good conservation practices.

(4) That approval of the subject application will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, John H. Hendrix, is hereby authorized to complete his Cossatot "B" Wells Nos. 2 and 3, located in Units M and N, respectively, of Section 12, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico, as dual completions (conventional) to produce oil from the Drinkard and Wantz-Granite Wash

-2-

Case No. 4905  
Order No. R-4485

Pools through parallel strings of tubing with separation of the zones achieved by a packer set in the No. 2 well at approximately 7100 feet and in the No. 3 well at approximately 7050 feet.

PROVIDED HOWEVER, that in the event the completion in the Drinkard Pool results in a well classified as a gas well with a producing gas-liquid ratio of 100,000 cubic feet per barrel of liquid hydrocarbons, or more, said Drinkard completion may be produced through the casing-tubing annulus.

PROVIDED FURTHER, that the applicant shall complete, operate, and produce said wells in accordance with the provisions of Rule 112-A of the Commission Rules and Regulations insofar as said rule is not inconsistent with this order;

PROVIDED FURTHER, that the applicant shall take packer leakage tests upon completion and annually thereafter during the Annual Gas-Oil Ratio Test Period for the Wantz-Granite Wash Pool.

(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



*Bruce King*  
BRUCE KING, Chairman

*Alex J. Armiijo*  
ALEX J. ARMIJO, Member

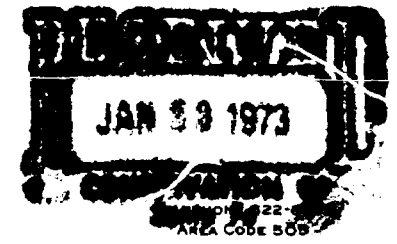
*A. L. Porter, Jr.*  
A. L. PORTER, Jr., Secretary

S E A L

dr/

JAMES T. JENNINGS  
SIM B. CHRISTY IV  
ROGER L. COPPLE  
BRIAN W. COPPLE

LAW OFFICES OF  
JENNINGS, CHRISTY & COPPLE  
1012 SECURITY NATIONAL BANK BUILDING  
P. O. BOX 1180  
ROSWELL, NEW MEXICO 88201



January 22, 1973

New Mexico Oil Conservation Commission  
P. O. Box 2083  
Santa Fe, New Mexico 87501

*Jan 4/905*

Attention: Mr. A. L. Porter, Jr.

Gentlemen:

We are enclosing herewith two Applications by John H. Hendrix for dual completion and would appreciate them being set for the next available Examiner hearing.

Respectfully,

JENNINGS, CHRISTY & COPPLE

By

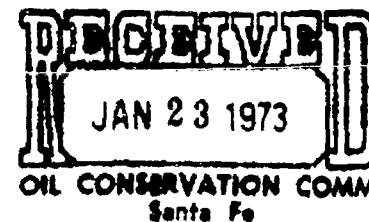
S. B. Christy IV

SBC:pv

Encls.

cc: (w/c of Applications)  
Mr. John H. Hendrix

DOCKET MAILED  
*2-1-73*



BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION  
OF JOHN H. HENDRIX FOR DUAL COM-  
PLETION OF THE COSSATOT "B" NO. 2  
WELL LOCATED IN SECTION 12, TOWN-  
SHIP 22 SOUTH, RANGE 37 EAST,  
N.M.P.M., LEA COUNTY, NEW MEXICO.

Case No. 4905

APPLICATION

COMES NOW John H. Hendrix (Operator) and states:

1. Operator is the owner of the operating rights and working interest production under an oil and gas lease covering, among other lands not pertinent, the SW $\frac{1}{4}$ SW $\frac{1}{4}$  Section 12, Township 22 South, Range 37 East, N.M.P.M., Lea County, New Mexico.

2. On the above described lands Operator has drilled and completed his Cossatot "B" No. 2 well located 990 feet from the West line and 330 feet from the South line of said Section 12.

3. In such operations Operator has encountered oil and associated hydrocarbons in the Drinkard formation at approximately 6,266' - 6,880' and in the Wantz Granite Wash at approximately 7,201' - 7,297'.

In the interest of conservation and to avoid waste, Operator proposed to duly complete said well in both of the above described formations, separating the same by a Baker Model "D" Production Packer set at approximately 7,100 feet. A diagrammatic sketch of the proposed dual completion is attached hereto.

4. Operator has previously furnished to the Commission a deviation survey, temperature survey and two electric logs herein made a part of this Application.

5. Upon information and belief the granting of this Application will prevent waste and not violate the correlative rights of any interested parties.

WHEREFORE, Operator prays that due notice of this Application be given, that the same be set for hearing before an Examiner, and upon such hearing that the Application be approved and the dual completion permitted.

Respectfully,

JOHN H. HENDRIX

By 

S. B. Christy IV, as a  
Member of the Firm of  
Jennings, Christy & Copple  
P. O. Box 1180  
Roswell, New Mexico 88201  
(505) 622-2232



OFFICE PHONE 684-8861  
RESIDENCE PHONE 684-6818

JOHN H. HENDRIX

OIL PRODUCER

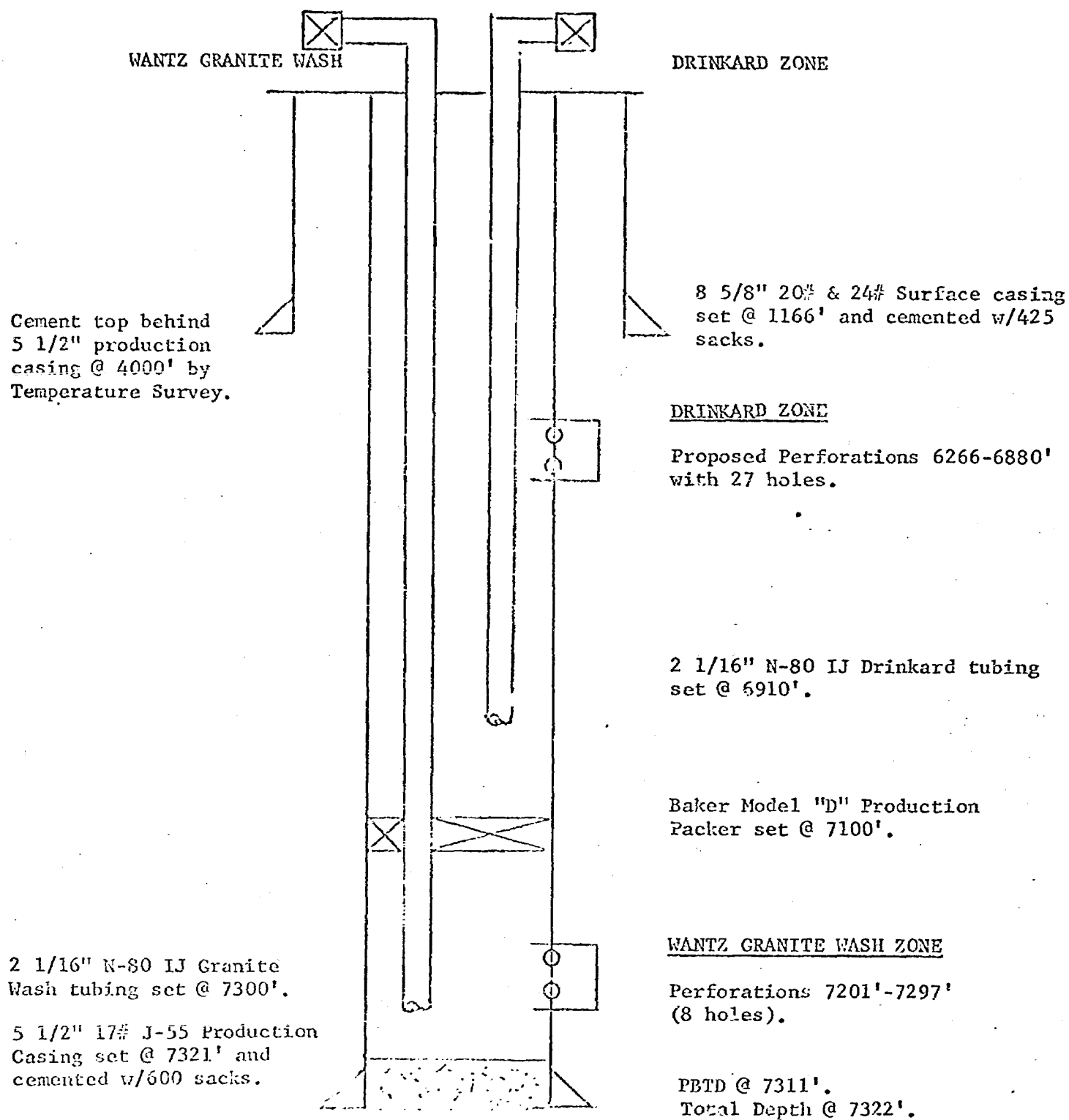
403 WALL TOWERS WEST

MIDLAND, TEXAS 79701

DIAGRAMMATIC SKETCH

Cossatot "B" No. 2

990' FWL & 330' FSL Section 12  
T22S, R37E



BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION )  
OF JOHN H. HENDRIX FOR DUAL COM- )  
PLETION OF THE COSSATOT "B" NO. 3 )  
WELL LOCATED IN SECTION 12, TOWN- )  
SHIP 22 SOUTH, RANGE 37 EAST, )  
N.M.P.M., LEA COUNTY, NEW MEXICO. )

CASE NO. 4965

APPLICATION

COMES NOW John H. Hendrix (Operator) and states:

1. Operator is the owner of the operating rights and working interest production under an oil and gas lease covering, among other lands not pertinent, the SE $\frac{1}{4}$ SW $\frac{1}{4}$  Section 12, Township 22 South, Range 37 East, N.M.P.M., Lea County, New Mexico.

2. On the above described lands Operator has drilled and completed his Cossatot "B" No. 3 well located 330 feet from the South line and 2,080 feet from the West line of said Section 12.

3. In such operations Operator has encountered oil and associated hydrocarbons in the Drinkard formation at approximately 6,296' - 6,912' and in the Wantz Granite Wash at approximately 7,176' - 7,420'.

In the interest of conservation and to avoid waste, Operator proposes to duly complete said well in both of the above described formations, separating the same by a Baker Model "D" Production Packer set at approximately 7,050 feet. A diagrammatic sketch of the proposed dual completion is attached hereto.

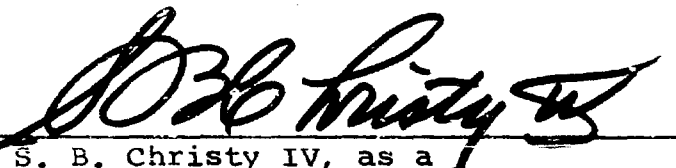
4. Operator has previously furnished to the Commission deviation survey, temperature survey and two electric logs herein made a part of this Application.

5. Upon information and belief the granting of this Application will prevent waste and not violate the correlative rights of any interested parties.

WHEREFORE, Operator prays that due notice of this Application be given, that the same be set for hearing before an Examiner, and upon such hearing that the Application be approved and the dual completion permitted.

Respectfully,

JOHN H. HENDRIX

By   
S. B. Christy IV, as a  
Member of the Firm of  
Jennings, Christy & Copple  
P. O. Box 1180  
Roswell, New Mexico 88201  
(505) 622-8432





See 4905

OFFICE PHONE 681-8881  
RESIDENCE PHONE 684-6818

JOHN H. HENDRIX

OIL PRODUCER

403 WALL TOWERS WEST

MIDLAND, TEXAS 79701

DIAGRAMMATIC SKETCH

Cossatot "B" No. 3

330' FSL & 2080' FWL Section 12

T22S, R37E

WANTZ GRANITE WASH

DRINKARD ZONE

Cement Top behind  
5 1/2" Production  
Casing @ 3920' by  
Temperature Survey.

8 5/8" 20# & 24# Surface Casing  
set @ 1190' and cemented w/400  
sacks.

DRINKARD ZONE

Proposed Perforations 6296'-6912'  
with 19 holes.

2 1/16" N-80 IJ Drinkard tubing  
set @ 6972'.

Baker Model "D" Production  
Packer set @ 7050'.

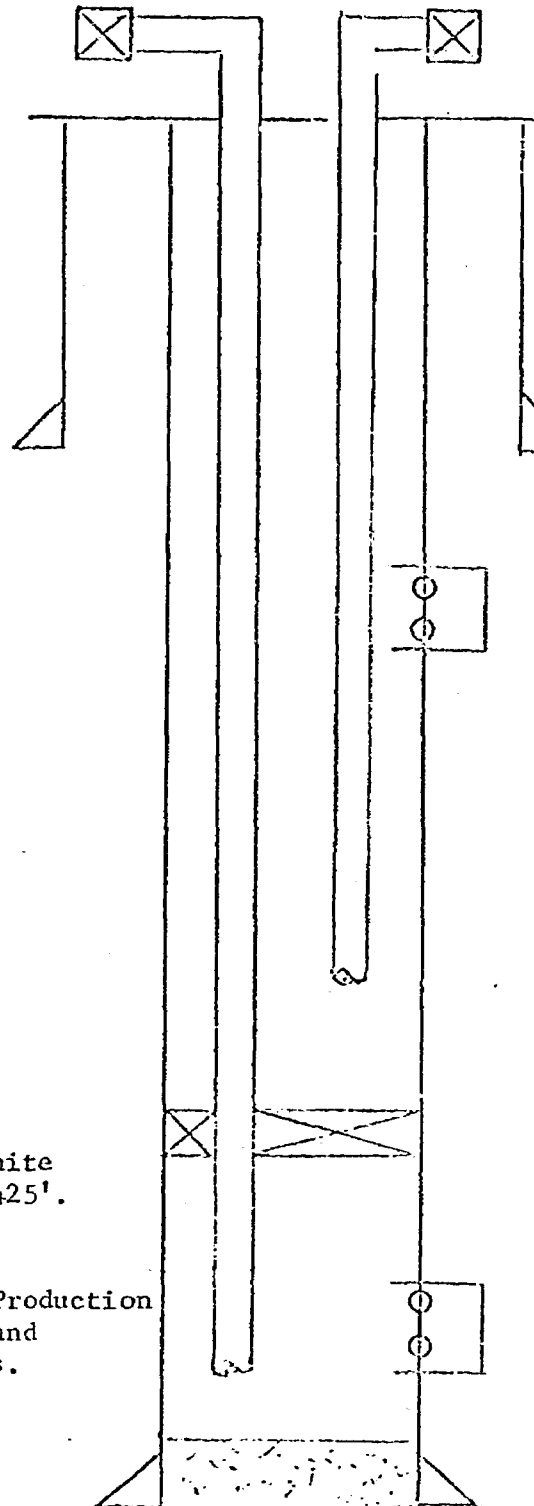
2 1/16" N-80 IJ Granite  
Wash tubing set @ 7425'.

5 1/2" 15.5# & 17# Production  
Casing set @ 7444' and  
cemented w/630 sacks.

WANTZ GRANITE WASH ZONE

Perforations 7176'-7420'  
(11 holes)

PBTD @ 7433'.  
Total Depth @ 7445'.

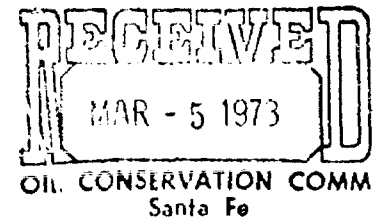




OFFICE PHONE 684-6531  
RESIDENCE PHONE 684-6578

JOHN H. HENDRIX  
OIL PRODUCERS  
408 WALL TOWERS WEST  
MIDLAND, TEXAS 79701

March 2, 1973



New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Attention: Mr. Dan Nutter

Ref: NMOCC Case No. 4905  
Cossatot "B" Nos. 2 and 3  
Dual Completion Hearings

Gentlemen:

Enclosed herewith are bottom hole pressure surveys on my Cossatot "B" No. 1 showing a bottom hole pressure of 2377 pounds. This well has been shut in for a very long period of time and I assume this would be the maximum reservoir pressure. Also enclosed is a bottom hole pressure survey on my Cossatot "B" No. 2. This shows the Granite Wash pressure to be 1401 pounds.

Please advise if any additional data are required.

Thank you,

John H. Hendrix

JHH:mc

Enclosures

cc - Mr. William J. LeMay  
P. O. Box 2244  
Santa Fe, New Mexico 87501

JOHN W. WEST ENGINEERING COMPANY  
412 NORTH DAL PASO, HOBBS, NEW MEXICO

TELEPHONES 3-3942  
3-6770

## BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR JOHN H. HENDRIX  
LEASE COSSATOT "B"  
WELL NO. 2  
FIELD  
DATE 2-26-73 TIME 12:45 P.

RECEIVED

MAR 02 1973

John H. Hendrix

STATUS FLOWING TEST DEPTH 7,000'

TIME S.I. LAST TEST DATE

CAS. PRES BHP LAST TEST

TUB. PRES. 1104# BHP CHANGE

ELEV. FLUID TOP

DATUM WATER TOP

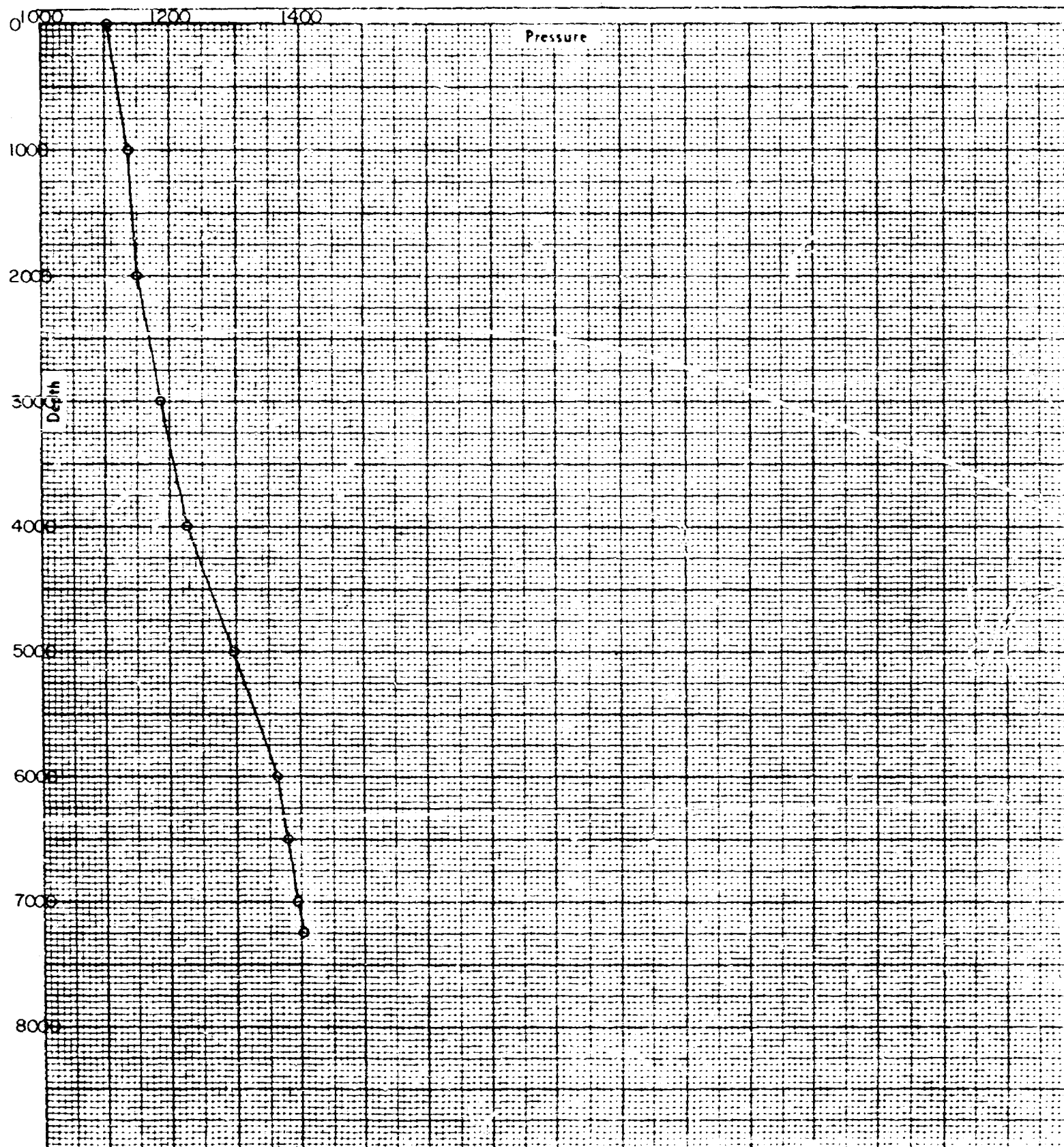
TEMP RUN BY D. TYSON

CLOCK NO. 3130 GAUGE NO. 4609

ELEMENT NO. 6404-NB

DEPTH	PRESSURE	GRADIENT
000	1104	
1000	1137	.033
2000	1150	.013
3000	1187	.037
4000	1227	.040
5000	1295	.068
6000	1361	.066
6500	1379	.036
7000	1394	.030
7249*	1401*	.030

\*PRESSURE CORRECTED TO CENTER OF PERFS.



JOHN W. WEST ENGINEERING COMPANY  
412 NORTH DAL PASO, HOBBS, NEW MEXICO

TELEPHONES 3-3942  
3-6770

## BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR JOHN H. HENDRIX

LEASE COSSATOT "B"

WELL NO. 1

FIELD

DATE 2-26-73 TIME

RECEIVED

MAR 02 1973

John H. Hendrix

10:45 A.M.

STATUS SHUT-IN TEST DEPTH 5,390'

TIME S.I. 72 Hr. LAST TEST DATE

CAS. PRES BHP LAST TEST

TUB PRES 1864# BHP CHANGE

ELEV. FLUID TOP

DATUM WATER TOP

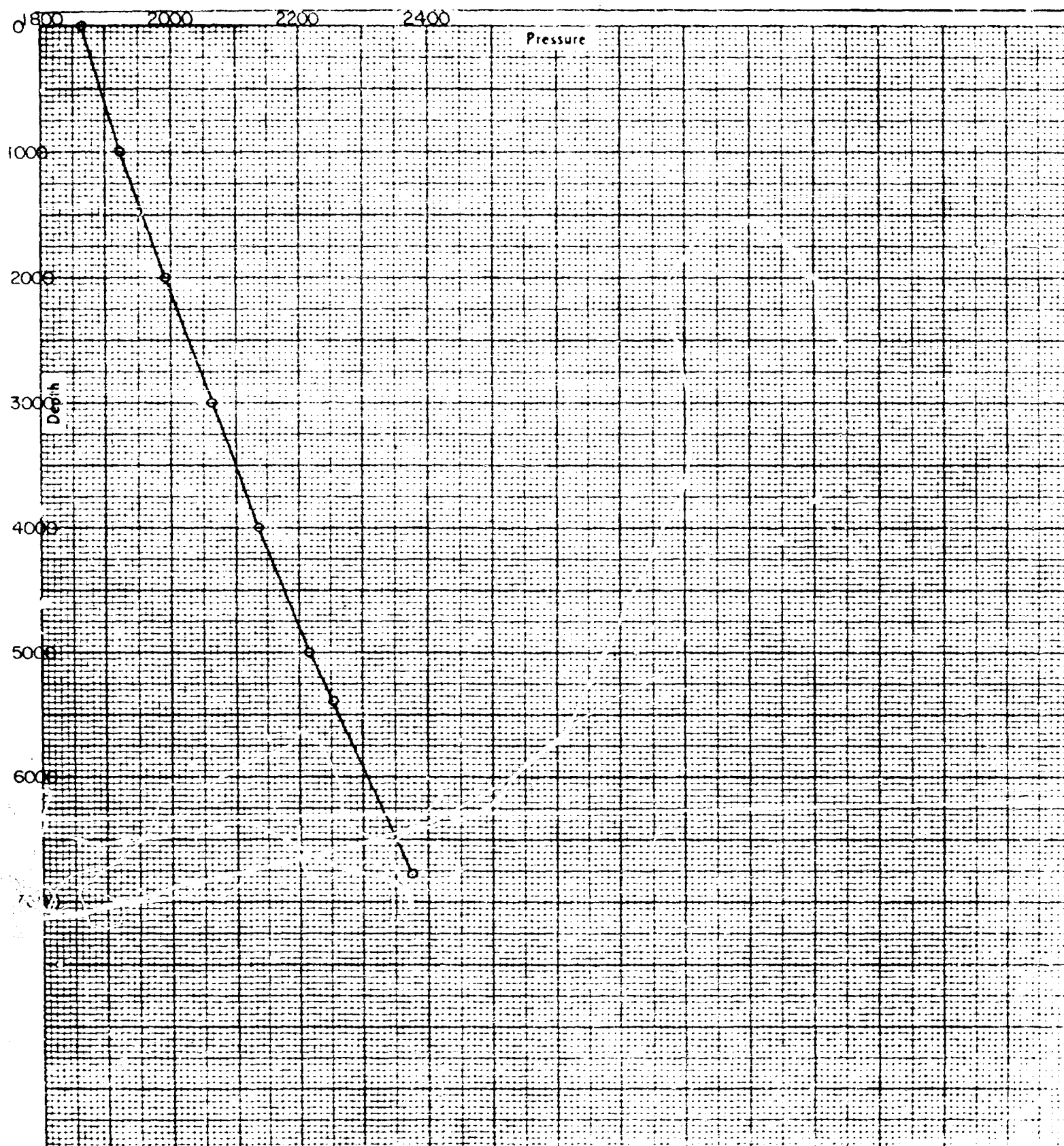
TEMP RUN BY D. TYSON

CLOCK NO. 3130 GAUGE NO. 4609

ELEMENT NO. 5404-NB

DEPTH	PRESSURE	GRADIENT
000	1864	
1000	1923	.059
2000	1991	.068
3000	2064	.073
4000	2136	.072
5000	2217	.081
5390	2252	.090
6775*	2377*	.090

\*PRESSURE CORRECTED TO CENTER OF PERFS.



DOCKET: EXAMINER HEARING - WEDNESDAY - FEBRUARY 14, 1973

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

---

The following cases will be heard before Daniel S. Nutter, Examiner, or Richard L. Stamets, Alternate Examiner:

- ALLOWABLE: (1) Consideration of the allowable production of gas for March, 1973 from seventeen prorated pools in Lea, Eddy, Roosevelt and Chaves Counties, New Mexico;
- (2) Consideration of the allowable production of gas from nine prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico for March, 1973.

CASE 4903: Application of Newmont Oil Company for an unorthodox location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to drill a producing oil well at an unorthodox location 990 feet from the South line and 1310 feet from the East line of Section 3, Township 18 South, Range 29 East, Loco Hills Pool, Eddy County, New Mexico.

CASE 4904: Application of Texas Pacific Oil Company, Inc. for two non-standard gas proration units, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the two following non-standard gas proration units in Township 23 South, Range 36 East, Jalmat Gas Pool, Lea County, New Mexico:

A 120-acre unit comprising the W/2 SW/4 and NE/4 SW/4 of Section 4 to be dedicated to the State "A" Well No. 18 located in Unit M of said Section 4;

A 320-acre unit comprising the SE/4 SW/4 of Section 4 and the NW/4, S/2 NE/4, and NE/4 NE/4 of Section 9 to be simultaneously dedicated to the State "A" Well No. 111 located in Unit N of Section 4, Well No. 41 located in Unit A of Section 9, and Well No. 100 located in Unit H of Section 9.

CASE 4905: Application of John H. Hendrix for two dual completions, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dually complete his Cossatot "B" Wells Nos. 2 and 3 located in Units M and N, respectively, of Section 12, Township 22 South, Range 37 East, Lea County, New Mexico, in such a manner as to produce oil from the Drinkard and Wantz-Granite Wash Pools through parallel strings of tubing.

CASE 4647 (Reopened):

In the matter of Case 4647 being reopened pursuant to the provisions of Order No. R-4246, which order established special rules and regulations for the Venado-Mesaverde Oil Pool, Sandoval County, New Mexico,

**MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form O-107  
Supersedes O-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Operator <b>JOHN H. HENDRIX</b>			Lease <b>COSSATOT #2<sup>nd</sup></b>		Well No. <b>2</b>
Unit Letter <b>M</b>	Section <b>12</b>	Township <b>22 SOUTH</b>	Range <b>37 EAST</b>	County <b>LEA</b>	
Actual Location of well: <b>330</b> feet from the <b>SOUTH</b> line and <b>990</b> feet from the <b>WEST</b> line					
Ground Level Elev.	Producing Formation <b>BLINEBRY &amp; DRINKARD</b>		Foot		Dedicated Acreage <b>40</b>

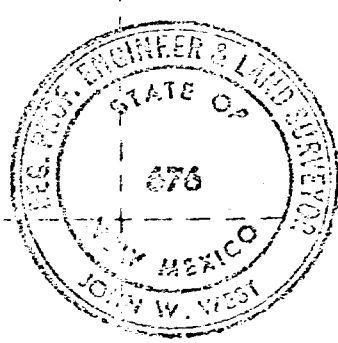
1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

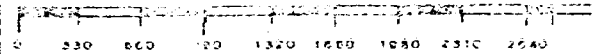
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

**BEFORE EXAMINER NUTTER**  
OIL CONSERVATION COMMISSION  
Hendrix EXHIBIT NO. 2  
CASE NO. 4905



990'



Case No. 4905  
Exhibit No. 2

**CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*John H. Hendrix*  
Operator

Company  
**JOHN H. HENDRIX**

Date  
**10-27-1971**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
**OCTOBER 26, 1971**

Registered Professional Engineer and or Land Surveyor

*John W. West*  
676

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LAND OFFICE  
OPERATOR

BEFORE EXAMINER NUTTER

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION REPORT AND LOG

CASE NO. 4905

Case No. 4905

Exhibit No. 3

Form C-105  
Revised 1-1-65

5a. Indicate Type of Lease  
State ☐ Fee ☒

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name

Cossatot "B"

9. Well No.

2

10. Field and Pool, or Wildcat

Wildcat-Undesignated

12. County

Log

1a. TYPE OF WELL  
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER

1b. TYPE OF COMPLETION  
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

2. Name of Operator  
John H. Hendrix

3. Address of Operator  
316 Central Bldg., Midland, Texas 79701

4. Location of Well  
UNIT LETTER A LOCATED 990 FEET FROM THE West LINE AND 220 FEET FROM

THE South LINE OF SEC. 12 TWP. 22S RGE. 37E N.M.P.M.

15. Date Spudded 12-1-71 16. Date T.D. Reached 12-19-71 17. Date Compl. (Ready to Prod.) 1-5-72 18. Elevations (D.F., RKB, RT, GR, etc.) 3345 D.F. 19. Elev. Cashtinghead 3334

20. Total Depth 7322 21. Plug Back T.D. 7311 22. If Multiple Compl., How Many

23. Intervals Drilled By Rotary Tools 0-7322 Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name

7201-7297 Granite Wash

25. Was Directional Survey Made No

26. Type Electric and Other Logs Run Gamma Ray-Henrion & Acoustic and Laterolog 27. Was Well Cored No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT FULLED
8 5/8"	29 1/2	1166	12 1/4"	425 Sacks	None
5 1/2"	17 1/2	7321	6 3/4"	600 Sacks	None

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8	7250	7150

31. Perforation Record (Interval, size and number)

3/8" Diameter jet shot @ 7201, 7236, 7249, 7265, 7273, 7280, 7290 & 7297.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
7201 - 7297	8000 gals 15% Acid

33. PRODUCTION

Date First Production 1-5-72 Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Well Status (Prod. or Shut-in) Shut-in

Date of Test 1-6-72 Hours Tested 24 Choke Size 32/64 Prodn. Per Test Period 36 Oil - Bbl. 125 Gas - MCF 125 Water - Bbl. 0 Gas - Oil Ratio 125 31.72

Flow Tubing Press. 30" Casing Pressure Packer Calculated 24-Hour Rate 36 Oil - Bbl. 125 Gas - MCF 125 Water - Bbl. 0 Oil Gravity 42.0

34. Disposition of Gas (Sold, used for fuel, vented, etc.) Casinghead gas is not contracted. SI pending connection Test Witnessed By A. E. Kenyon

35. List of Attachments Temperature Survey, Deviation Survey, Electric Logs (2)

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED John H. Hendrix TITLE Owner-Operator DATE 1-7-72



JOHN H. HENDRIX

OIL PRODUCER

403 WALL TOWERS WEST

MIDLAND, TEXAS 79701

DIAGRAMMATIC SKETCH

Cossatot "B" No. 2

990' FWL & 330' FSL Section 12

T22S, R37E

BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

Hendrix EXHIBIT NO. 4

CASE NO. 4905

WANTZ GRANITE WASH



DRINKARD ZONE

Cement top behind  
5 1/2" production  
casing @ 4000' by  
Temperature Survey.

8 5/8" 20# & 24# Surface casing  
set @ 1166' and cemented w/425  
sacks.

DRINKARD ZONE

Proposed Perforations 6266-6880'  
with 27 holes.

*alternate completion  
would eliminate  
tubing to Dr in  
event Dr produces  
gas only - would  
come up  
annulus.*

2 1/16" N-80 IJ Drinkard tubing  
set @ 6910'.

Baker Model "D" Production  
Packer set @ 7100'.

2 1/16" N-80 IJ Granite  
Wash tubing set @ 7300'.

WANTZ GRANITE WASH ZONE

Perforations 7201'-7297'  
(8 holes).

5 1/2" 17# J-55 Production  
Casing set @ 7321' and  
cemented w/600 sacks.

PBTD @ 7311'.  
Total Depth @ 7322'.

Case No. 4905  
Exhibit No. 4



BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

Hendrix EXHIBIT NO.

CASE NO. 4905

OPERATOR

**JOHN H. HENSON**

**CD-R**

Cessator "B"

WILL NO.

2

sub

DATE &amp; TIME ELEMENT JOB COMPLETED

1:30 P.M. 12/20/71

DATE &amp; TIME SURVEY MADE.

9:00 P.M. 12/20/71

SURVEY RUN BY

D. TYSON

**DATUM**

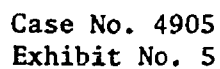
### KELLY DRIVE BUSHING

## DATA

300 SACKS 50/50 POSMIX 2% GEL AND 100 SACKS HALIBURTON

LT. WEIGHT RAN BEHIND 7,322 FT. OF 5 1/2" CASING IN A

7 7/8" HOLE



N MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-15,  
Superseded Edition  
Effective 1-1-68

All distances must be from the corner boundaries of the Section.

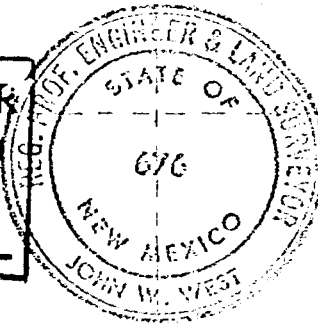
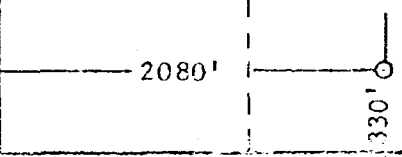
Operator <b>JOHN H. HENDRIX</b>		Lease <b>COSSATOT "B"</b>		Well No. <b>3</b>
Tract Letter <b>N</b>	Section <b>12</b>	Township <b>22 SOUTH</b>	Range <b>37 EAST</b>	County <b>LEA</b>
Actual Flooding Location of Well:				
<b>330</b>	feet from the <b>SOUTH</b>	<b>2080</b>	feet to the <b>WEST</b>	
Ground Level Elev.	Enclosing Formation <b>BLINEBRY &amp; DRINKARD</b>		Estimated Airway <b>40.0</b>	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

<p><b>BEFORE EXAMINER NUTTER</b></p> <p><b>OIL CONSERVATION COMMISSION</b></p> <p><u>Hendrix</u> EXHIBIT NO. <u>2-A</u></p> <p>CASE NO. <u>4905</u></p>		
<p>NOTE: THIS LOCATION IS 0.4 FEET LOWER THAN THE COSSATOT "B" No. 1</p>		
		
<p>Case No. 4905 Exhibit No. 2-A</p>		

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

John H. Hendrix  
Operator

**JOHN H. HENDRIX**

**NOVEMBER 17, 1971**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed:

**NOVEMBER 16, 1971**

Registered Professional Engineer and/or Land Surveyor

John W. West  
676

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LAND OFFICE	
OPERATOR	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG  
**BEFORE EXAMINER NOTATION**  
OIL CONSERVATION COMMISSION  
Hendrix EXHIBIT NO. 3-A  
CASE NO. 4905

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

1. TYPE OF WELL		2. TYPE OF COMPLETION		3. Name of Operator		4. Unit Agreement Name		5. Form or Lease Name		6. Well No.		7. Field and Pool, or Wildcat		8. County	
OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>		NEW <input checked="" type="checkbox"/> WORN <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. REVD. <input type="checkbox"/> OTHER <input type="checkbox"/>		John H. Hendrix		Cossatot "B"		3		Wantz Granite Wash				Lea	
316 Central Bldg., Midland, Texas 79701															
UNIT LETTER <u>H</u> LOCATED <u>330</u> FEET FROM THE <u>South</u> LINE AND <u>2010</u> FEET FROM															
THE <u>West</u> LINE OF SEC. <u>12</u> TWP. <u>22S</u> RGE. <u>37E</u> N. 1/4															
15. Date Cased <u>12-21-71</u>		16. Date T.D. Reached <u>1-7-72</u>		17. Date Comp. (Ready to Prod.) <u>2-23-72</u>		18. Elevations (DF, RKB, RT, GR, etc.) <u>3350 DF</u>		19. Elev. Casinghead <u>3340</u>							
20. Total Depth <u>7745</u>		21. Plug Back T.D. <u>7133</u>		22. If Multiple Compl., How Many		23. Intervals Drilled By <u>Rotary Tools</u>		24. Cable Tools		25. Was Directional Survey Made <u>No</u>					
24. Producing Interval(s), of this completion - Top, Bottom, Name															
<u>7176'-7120'.</u>															
<u>Granite Wash</u>															
26. Type Electric and Other Logs Run															
<u>Gamma Ray-Sidewall Neutron and Laterolog - 9</u>															
27. Was Well Cored <u>No</u>															
28. CASING RECORD (Report all strings set in well)															
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED					
<u>8 5/8"</u>		<u>20.5</u>		<u>1190</u>		<u>12 1/2</u>		<u>100</u>		<u>None</u>					
<u>5 1/2"</u>		<u>15.5</u>		<u>7444</u>		<u>6 3/4</u>		<u>630</u>		<u>None</u>					
29. LINER RECORD															
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN		TUBING RECORD					
										SIZE		DEPTH SET		PACKER SET	
										<u>2 3/8</u>		<u>7360</u>		<u>7160</u>	
30. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.															
31. Perforation Details (Interval, size and number)															
<u>1-3/8" diameter jet @ 7176, 7185, 7217, 7261, 7343, 7350, 7357, 7367, 7376, 7390 &amp; 7420</u>															
32. DEPTH INTERVAL															
<u>7176-7420</u>															
AMOUNT AND KIND MATERIAL USED															
<u>3000 gal. 15% acid</u>															
33. PRODUCTION															
Date First Production				Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)							
<u>2-23-72</u>				<u>Flowing</u>				<u>Shut-In</u>							
Date of Test		Hours Tested		Coke Size		Prod'n. Per Test Period		Oil - Bbl.		Gas - MCF		Water - Bbl.		Gas - Oil Ratio	
<u>2-24-72</u>		<u>24 ?</u>		<u>36/64</u>		<u>27</u>		<u>100</u>		<u>18</u>		<u>3704</u>			
Flow Tubing Press.		Casing Pressure		Calculated 24-Hour Rate		Oil - Bbl.		Gas - MCF		Water - Bbl.		Oil Gravity - API (Corr.)			
<u>50"</u>		<u>Packer</u>		<u>4.1</u>		<u>140</u>		<u>18</u>		<u>42</u>					
34. Disposition of Gas (Sold, used for fuel, vented, etc.)															
Temporarily vented pending negotiation for gas contract															
Test Witnessed By <u>A.E. Kenyon</u>															
35. List of Attachments															
<u>Deviation Survey, Temperature Survey and Electrical Logs (2)</u>															
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.															
SIGNED <u>John H. Hendrix</u>				TITLE <u>Owner-Operator</u>				DATE <u>1-28-72</u>							

OK



JOHN H. HENDRIX

OIL PRODUCER

403 WALL TOWERS WEST

MIDLAND, TEXAS 79701

DIAGRAMMATIC SKETCH

Cossatot "B" No. 3

330' FSL & 2080' FWL Section 12  
T22S, R37E

BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

Exhibit NO. 4-A

CASE NO. 4905

WANTZ GRANITE WASH

DRINKARD ZONE

Cement Top behind  
5 1/2" Production  
Casing @ 3920' by  
Temperature Survey.

8 5/8" 20# & 24# Surface Casing  
set @ 1190' and cemented w/400  
sacks.

DRINKARD ZONE

Proposed Perforations 6296'-6912'  
with 19 holes.

2 1/16" N-80 IJ Drinkard tubing  
set @ 6972'.

Baker Model "D" Production  
Packer set @ 7050'.

WANTZ GRANITE WASH ZONE

Perforations 7176'-7420'  
(11 holes)

PBTD @ 7433'.  
Total Depth @ 7445'.

2 1/16" N-80 IJ Granite  
Wash tubing set @ 7425'.

5 1/2" 15.5# & 17# Production  
Casing set @ 7444' and  
cemented w/630 sacks.

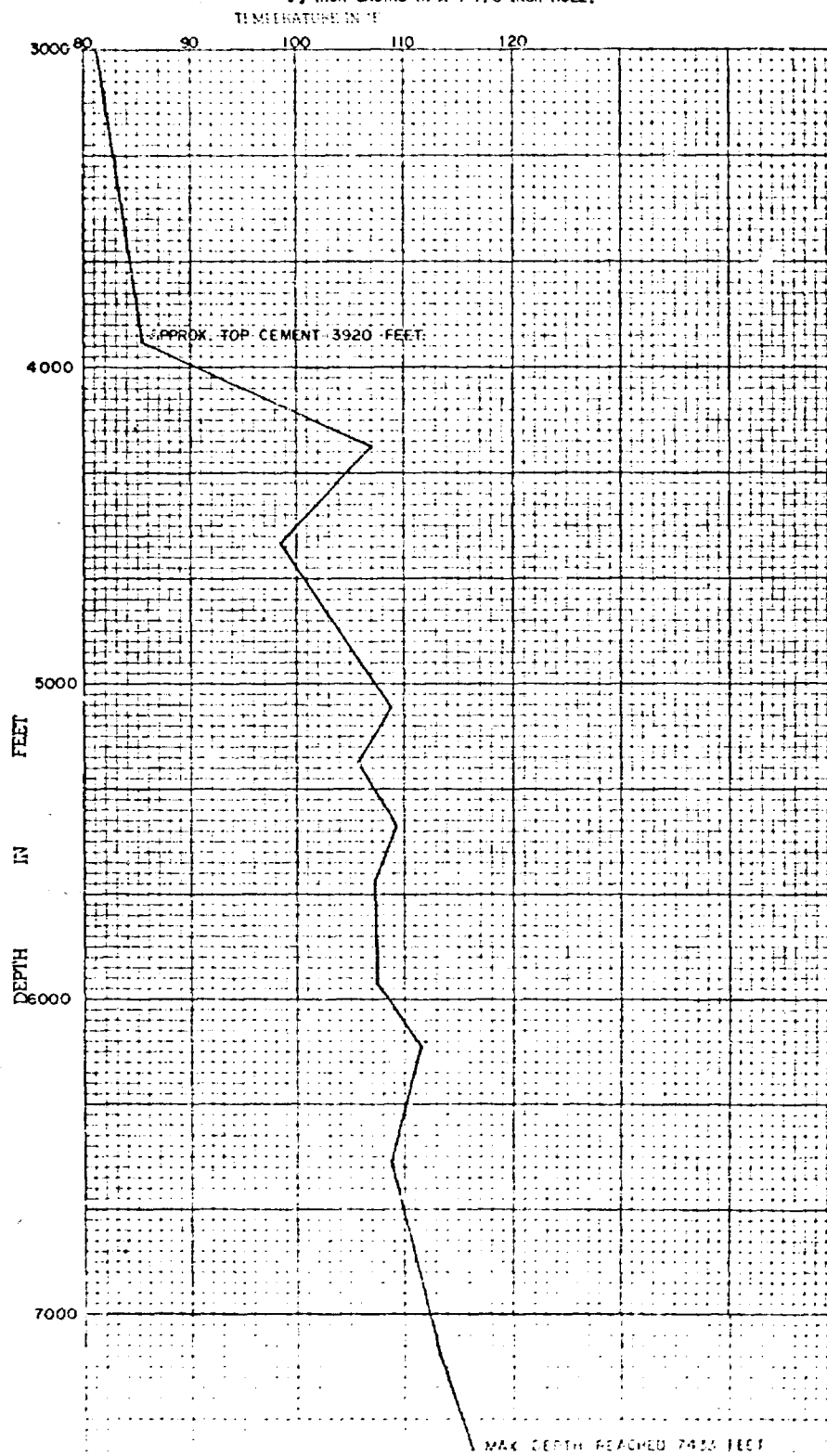
*Alternative  
completion: Leave  
and short tubing  
string and produce  
Dr through annulus  
if completed as gas  
well.*

Case No. 4905  
Exhibit No. 4 A

BEFORE EXAMINER NUTTER  
OIL CONSERVATION COMMISSION  
Hendrix EXHIBIT NO. 5-A  
CASE NO. 4905

# TEMPERATURE SURVEY

OPERATOR JOHN H. HENDRIX  
LEASE COBBATOT "U"  
WELL NO. 3  
FIELD  
DATE & TIME CEMENT JOB COMPLETED 1-9-72 @ 7:00 P.M.  
DATE & TIME SURVEY MADE 1-9-72 @ 5:00 A.M.  
SURVEY RUN BY D. TYSON  
DATUM KELLY DRIVE BUSHING  
WELL DATA 130 SACKS OF HALLIBURTON LIGHT WEIGHT AND  
500 SACKS OF 50:50 POSMIX WITH 2% GEL AND  
84 SALT PER SACK RUN BEHIND 74.5 FEET OF  
5 1/2 INCH CASING IN A 7 7/8 INCH HOLE.



Case No. 4905  
Exhibit No. 5-A

DRAFT

dr/

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. 4905

Order No. R-4485

APPLICATION OF JOHN H. HENDRIX  
FOR TWO DUAL COMPLETIONS, LEA  
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on February 14, 1973  
at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this \_\_\_\_\_ day of February, 1973, 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, John H. Hendrix, seeks authority  
to complete his Cossatot "B" Wells Nos. 2 and 3, located in  
Units M and N, respectively, of Section 12, Township 22 South,  
Range 37 East, NMPM, Lea County, New Mexico, as dual completions  
(conventional) \_\_\_\_\_ to produce oil from the Drinkard and Wantz-  
Granite Wash Pools through parallel strings of tubing.

Case No. 4905  
Order No. R-

(3) That the mechanics of the proposed dual completions are feasible and in accord with good conservation practices.

(4) That approval of the subject application will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, John H. Hendrix, is hereby authorized to complete his Cossatot "B" Wells Nos. 2 and 3, located in Units M and N, respectively, of Section 12, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico, as dual completions \_\_\_\_\_

(conventional) \_\_\_\_\_ to produce oil from the Drinkard and Wantz-

Granite Wash Pools through parallel strings of tubing *with separation of the zones achieved by a packer set in the No. 2 well at approx.*  
~~PROVIDED FURTHER~~ that the applicant shall complete, operate,

and produce said wells in accordance with the provisions of Rule 112-A of the Commission Rules and Regulations insofar as said rule is not inconsistent with this order;

PROVIDED FURTHER, that the applicant shall take packer  
leakage tests upon completion and annually thereafter during the Annual Gas-Oil Ratio

Test Period for the Wantz-Granite  
Wash Pool.

(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 HOWEVER, that in the event the completion in the Drinkard Pool results in a well classified as a gas well with a producing gas-liquid ratio of 100,000 cubic feet per barrel of liquid hydrocarbons, or more, said Drinkard completion may be produced through the casing-tubing annulus.

*approximately 7100 feet in the No. 3 well at approximately 7050 feet.*