

Case Number

6021

Application

Transcripts.

Small Exhibits

ETC.



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

TONEY ANAYA
GOVERNOR

July 12, 1983

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

6021
Yates Petroleum Company
207 S. Fourth Street
Artesia, NM 88210

Attention: D. F. Boneau, Reservoir Engineer

Re: Yates Petroleum Company
Federal HJ Well No. 1
Order No. R-5545 Injection
Pressure Limit Increase

Dear Mr. Boneau:

Based on the step-rate test submitted by your office, a downhole formation parting pressure of 1136 psi was measured. Subtracting hydrostatic head pressure of 480 psi at mid-perforations and a pressure surge safety margin of 50 psi, the maximum allowable surface injection limit is 606 psi.

Yates Petroleum Company is therefore allowed to increase the surface injection pressure on its Federal HJ Well No. 1 to no more than a maximum of 606 psi. All other provisions of Order No. R-5545 remain in effect.

Any other questions concerning this matter should be forwarded to me at (505) 827-5807.

Sincerely,

Gilbert P. Quintana

GILBERT P. QUINTANA
Petroleum Engineer

GPQ/dp

cc: Joe D. Ramey, Director
~~Artesia District Office~~
R-5545-Case File

YATES PETROLEUM COMPANY
FEDERAL "HJ" NO. 1

ELEMENT NO: 17664
RANGE: 0-2150 PSI
CLOCK NO: 13032
RANGE: 0-12 HOURS

NOTE: SEE TABULATION OF TIMES AND PRESSURES ON
ATTACHED SHEET.

Downhole parting pressure

1300

1250

1200

1150

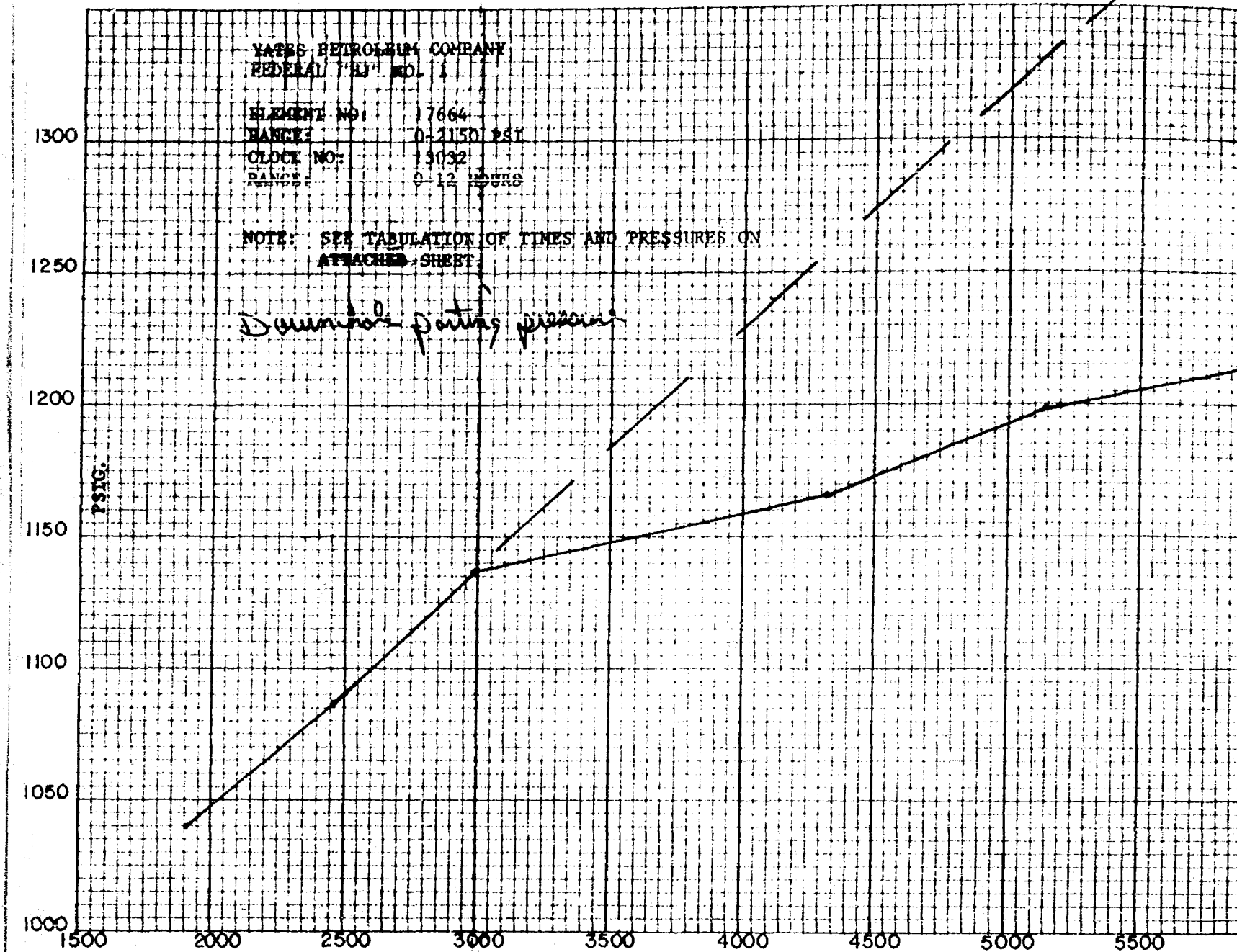
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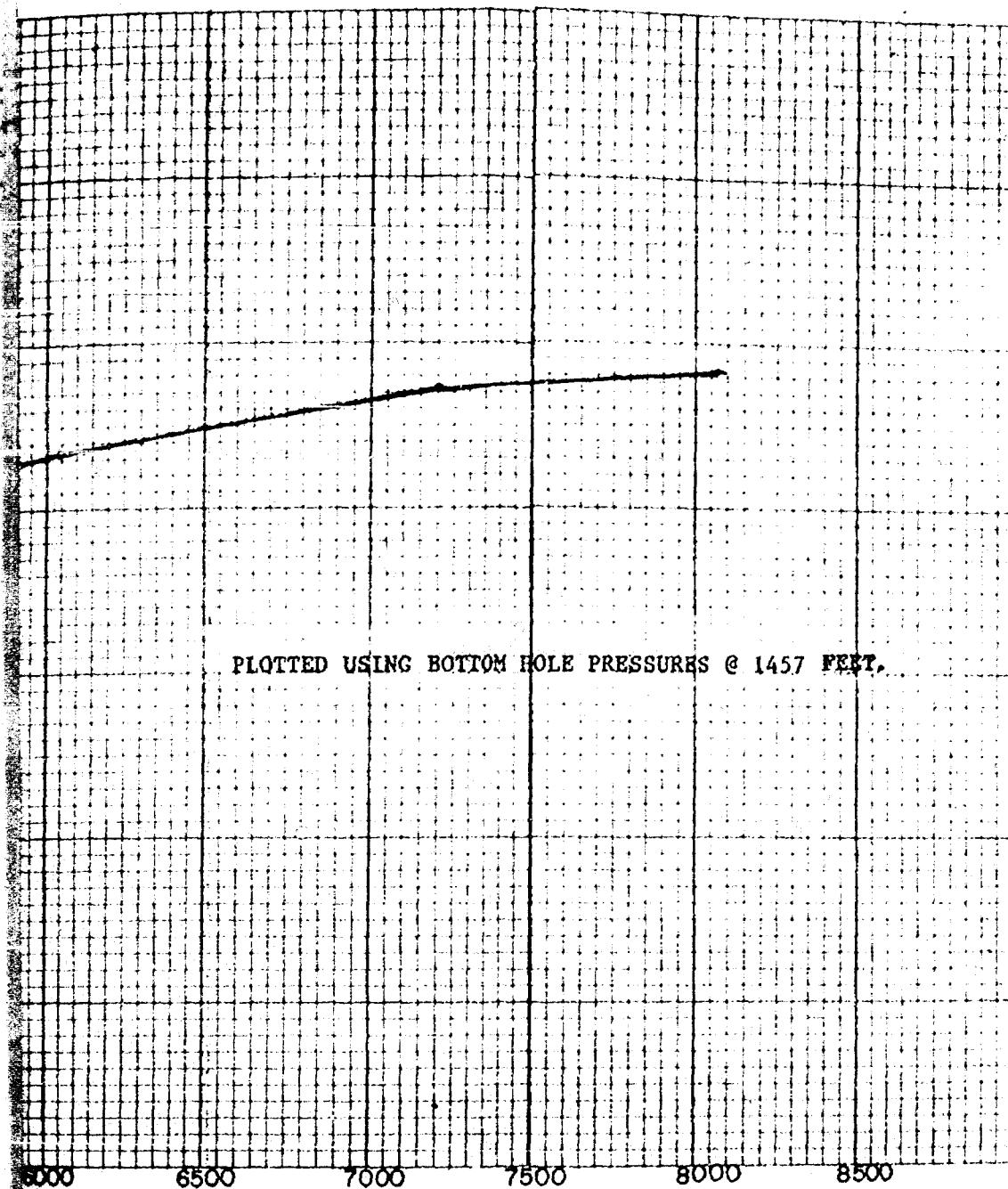
1050

1000

PSIG.

RATE IN BBLs.





PLOTTED USING BOTTOM HOLE PRESSURES @ 1457 FEET.

PER / DAY

YATES PETROLEUM COMPANY
FEDERAL "HJ" NO. 1
STEP RATE TEST
TABULATION OF TIMES AND PRESSURES

TEST CONDUCTED BY:
JOHN WEST ENGINEERING COMPANY

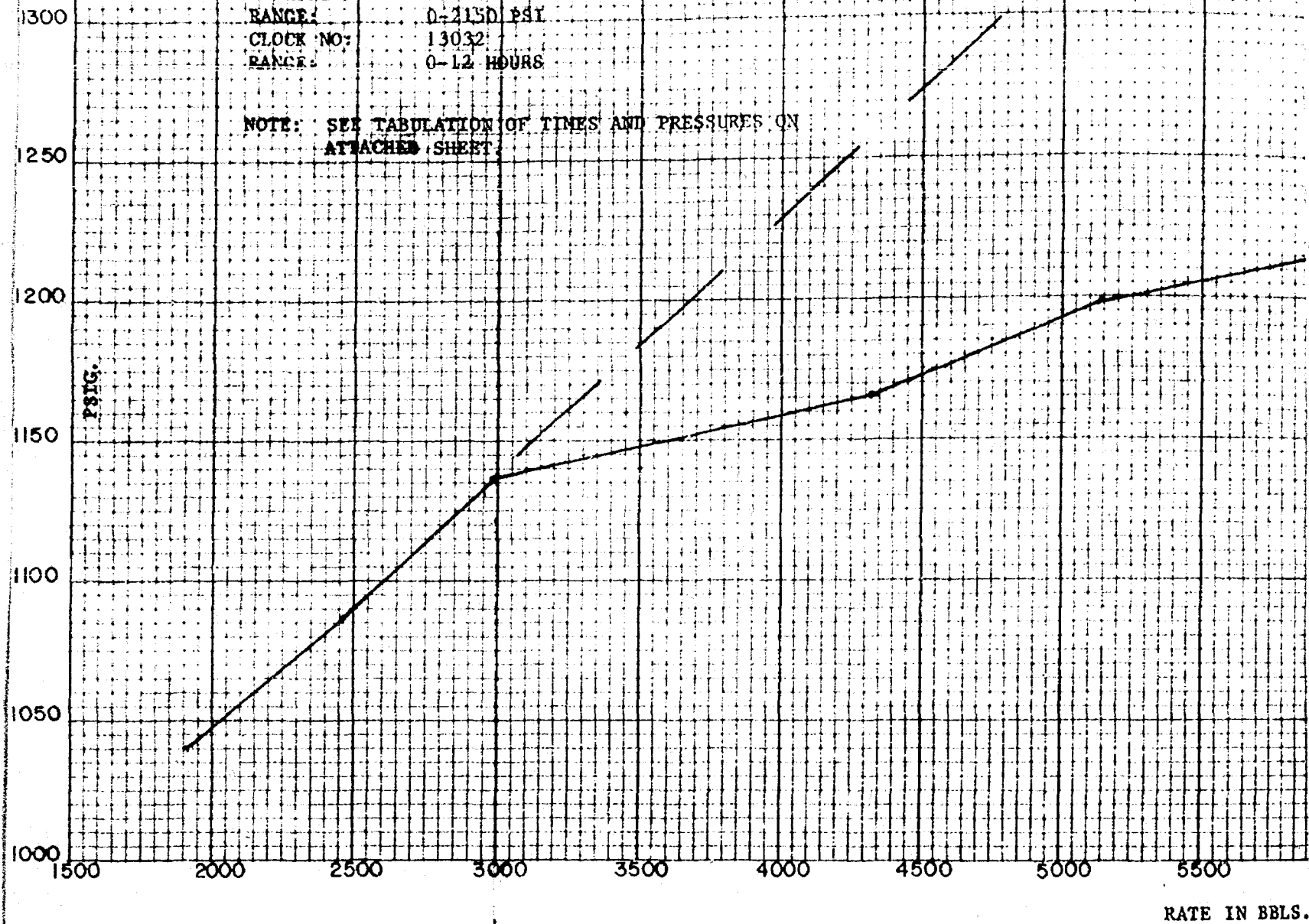
TEST DATE: JUNE 24, 1983
TEST DEPTH: 1457 FEET
ELEMENT NO: 17664 (0-2150
OPERATOR: M.T.

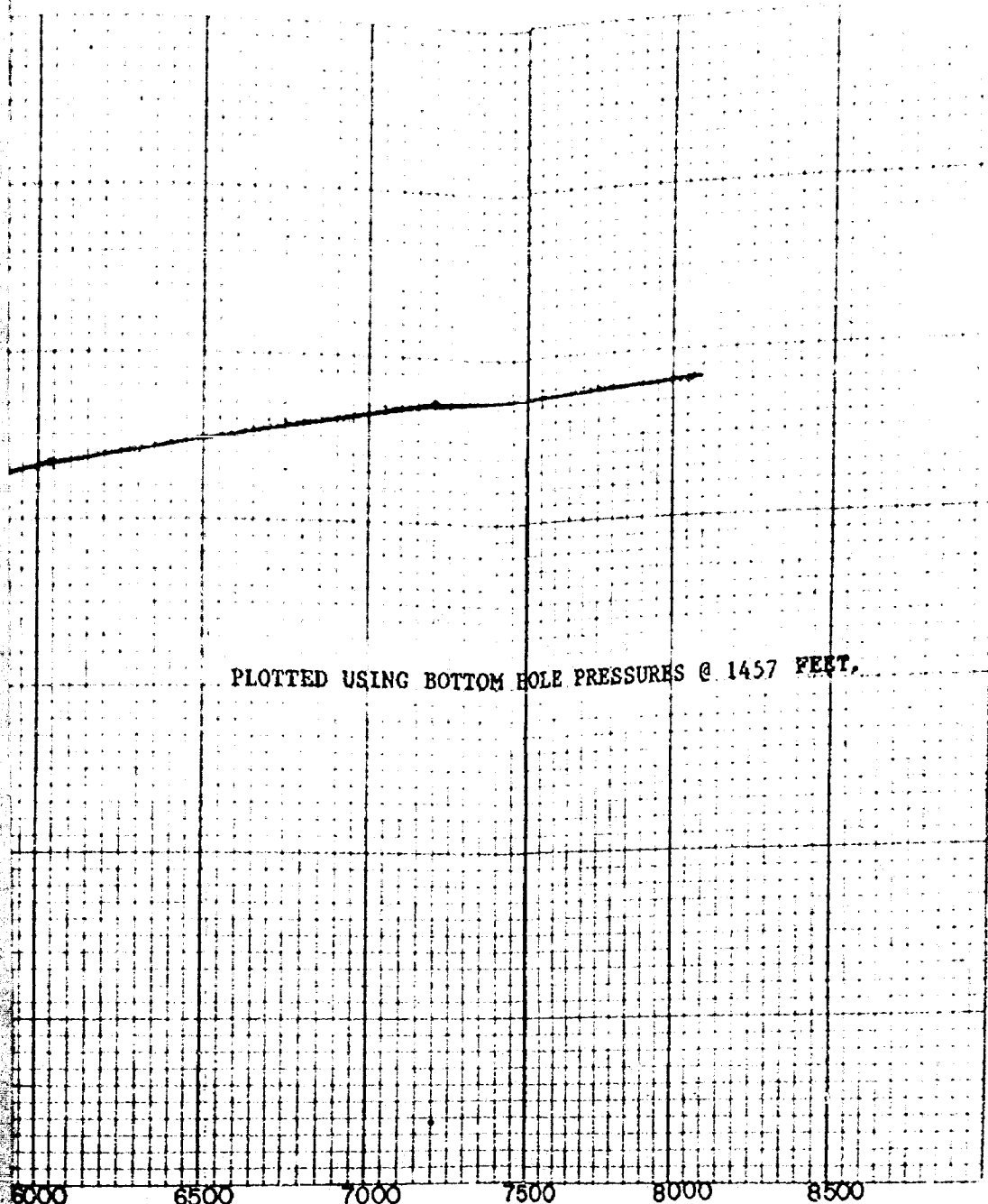
DATE	TIME	CUM HRS./MIN.	PSIG @ 1457 FEET
6-24-83	10:00 A.M.	00 Hrs. 00 Min.	818 Gauge reached 1457'
	10:30 A.M.	00 15	818 Begin Pumping
	10:45 A.M.	00 30	962
	11:00 A.M.	00 45	1004
	11:15 A.M.		1040 End Rate I
	11:17 A.M.	00 47	1049
	11:30 A.M.	01 00	1081
	11:32 A.M.	01 02	1087 End Rate II
	11:34 A.M.	01 04	1107
	11:45 A.M.	01 15	1132
	11:47 A.M.	01 17	1137 End Rate III
	11:50 A.M.	01 20	1144 Pump Locked
	12:05 P.M.	01 35	1146 Started Pumping
	12:15 P.M.	01 45	1159
	12:20 P.M.	01 55	1166 End Rate IV
	12:25 P.M.	01 55	1189
	12:35 P.M.	02 05	1198 End Rate V
	12:40 P.M.	02 10	1200
12:50 P.M.	02 20	1217 End Rate VI	
1:05 P.M.	02 35	1236 End Rate VII	
1:12 P.M.	02 42	1242 End Rate VIII	
6-24-83			

YATES PETROLEUM COMPANY
FEDERAL "HJ" NO. 1

ELEMENT NO: 17664
RANGE: 0-2150 PSI
CLOCK NO: 13032
RANGE: 0-12 HOURS

NOTE: SEE TABULATION OF TIMES AND PRESSURES ON
ATTACHED SHEET





PLOTTED USING BOTTOM HOLE PRESSURES @ 1457 FEET.

PER / DAY

YATES PETROLEUM COMPANY
 FEDERAL "HJ" NO. 1
 STEP RATE TEST
 TABULATION OF TIMES AND PRESSURES

TEST CONDUCTED BY:
 JOHN WEST ENGINEERING COMPANY

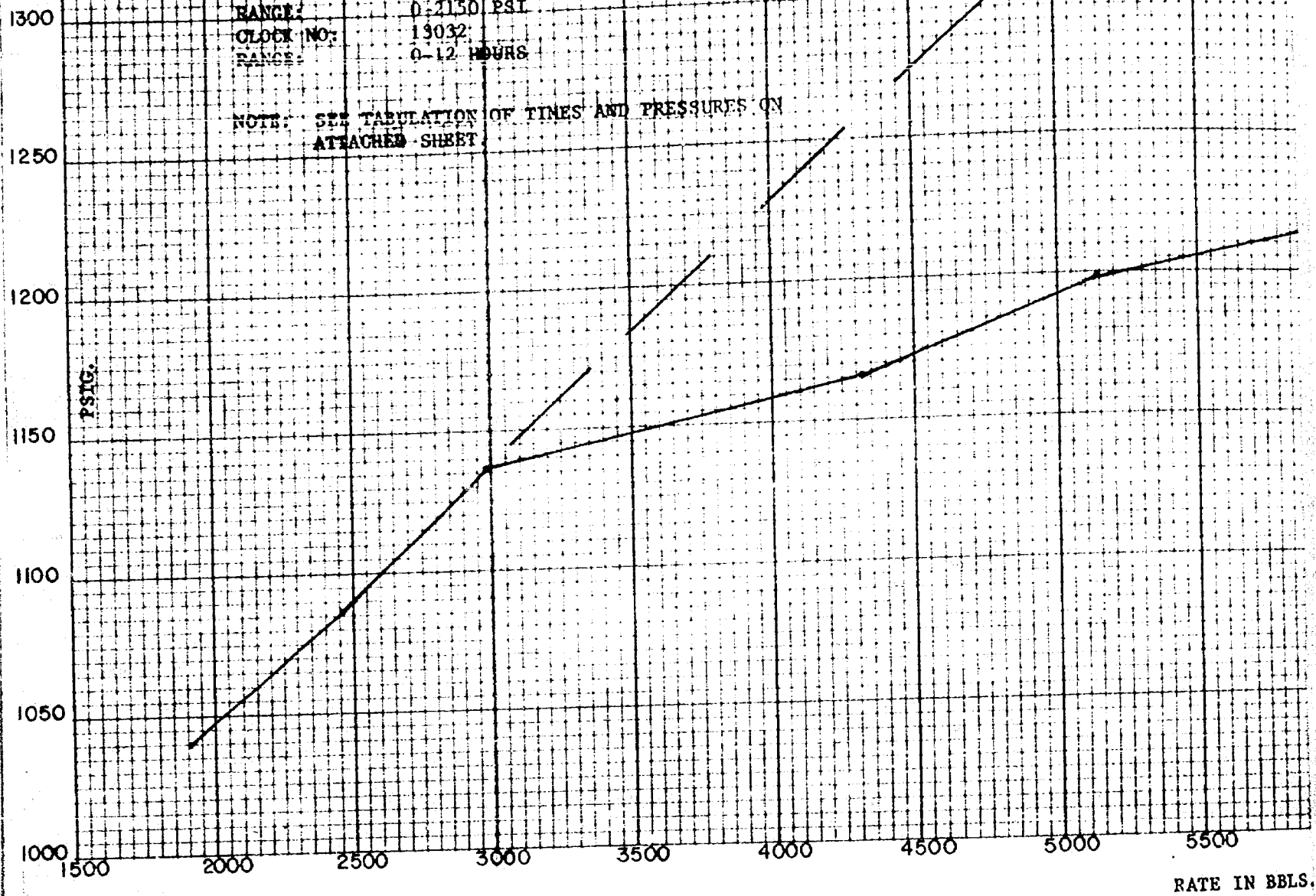
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 TEST DEPTH: 1457 FEET
 ELEMENT NO: 17664 (0-2150
 OPERATOR: M.T.

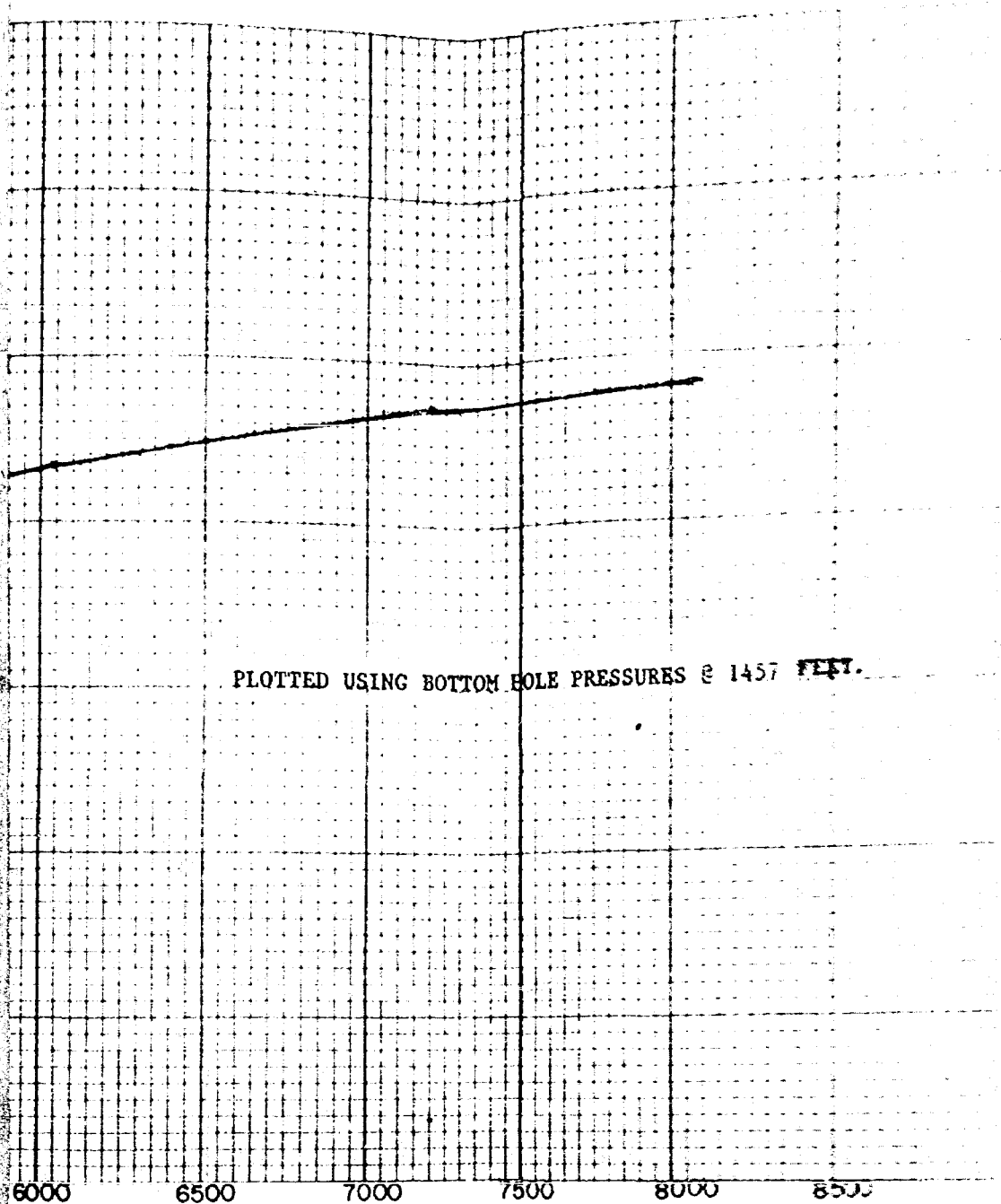
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	12:50 P.M.	02 20	1217 End Rate VI
	1:05 P.M.	02 35	1236 End Rate VII
6-24-83	1:12 P.M.	02 42	1242 End Rate VIII

YATES PETROLEUM COMPANY
FEDERAL "HJ" NDL 1

ELEMENT NO: 17664
RANGE: 0-2150 PSI
CLOCK NO: 19032
RANGE: 0-12 HOURS

NOTE: SEE TABULATION OF TIMES AND PRESSURES ON
ATTACHED SHEET.





PLOTTED USING BOTTOM HOLE PRESSURES @ 1457 FEET.

PER / DAY

YATES PETROLEUM COMPANY
 FEDERAL "HJ" NO. 1
 STEP RATE TEST
 TABULATION OF TIMES AND PRESSURES

TEST CONDUCTED BY:
 JOHN WEST ENGINEERING COMPANY

TEST DATE: JUNE 24, 1983
 TEST DEPTH: 1457 FEET
 ELEMENT NO: 17664 (0-2150
 OPERATOR: M.T.

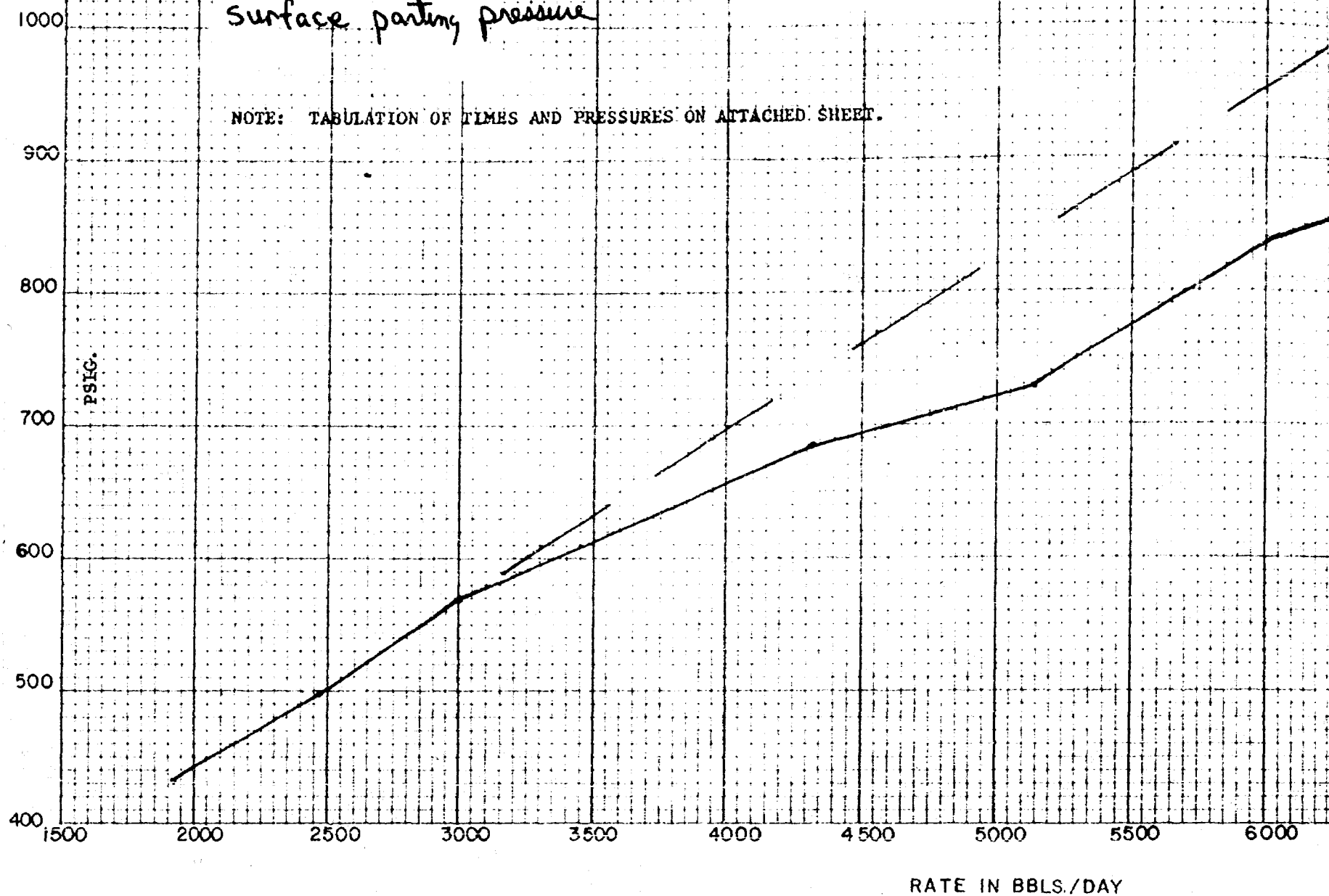
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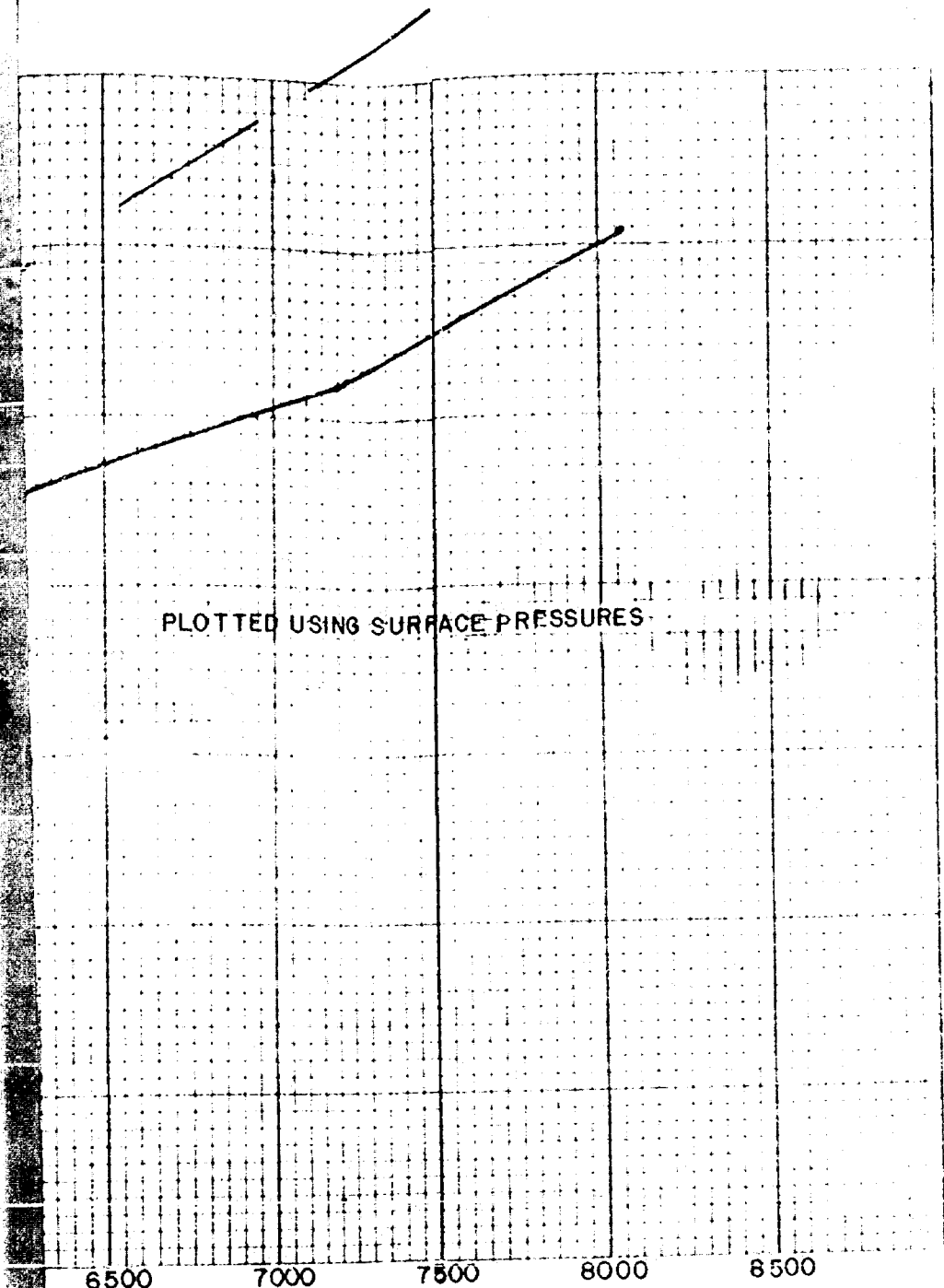
R-5545

YATES PETROLEUM COMPANY
FEDERAL HJ NO. 1

surface parting pressure

NOTE: TABULATION OF TIMES AND PRESSURES ON ATTACHED SHEET.





PROJECT AND WELL FED. "HJ" NO. 1
WELL DATA: TBG. O.D. 2 3/8"

Perfs 963-1470

ELL DATA: TBG. O.D. 2 3/8"

TBG. DEPTH

926 Feet

DEPTH TO SN.

RE-TEST DATA

DATE	TIME	PRESSURE		CUMULATIVE METER READING	INJECTION RATE	
		SURFACE	BHP AT 1457 FT.		AVERAGE	INSTANTANEOUS
6-24-83	10:00 A.M.	115 PSIG		74 Strokes		
Begin Pumping	10:30 A.M.			74 Strokes		
Rate I	11:15 A.M.	432 PSIG	1040 PSI	74 Strokes		1902.86 B/PD
	11:17 A.M.			96 Strokes		
Rate II	11:32 A.M.	499 PSIG	1087 PSI	96 Strokes		2468.57 B/PD
	11:34 A.M.			120 Strokes		
Rate III	11:47 A.M.	570 PSIG	1137 PSI	116 Strokes		2982.86 B/PD
Pump Air Locked	11:50 A.M.			172 Strokes		

INCREMENTS:

BWPD

TIME

MAX. RATE:

[illegible]

BOMB NO. & PRESSURE RATING

17664

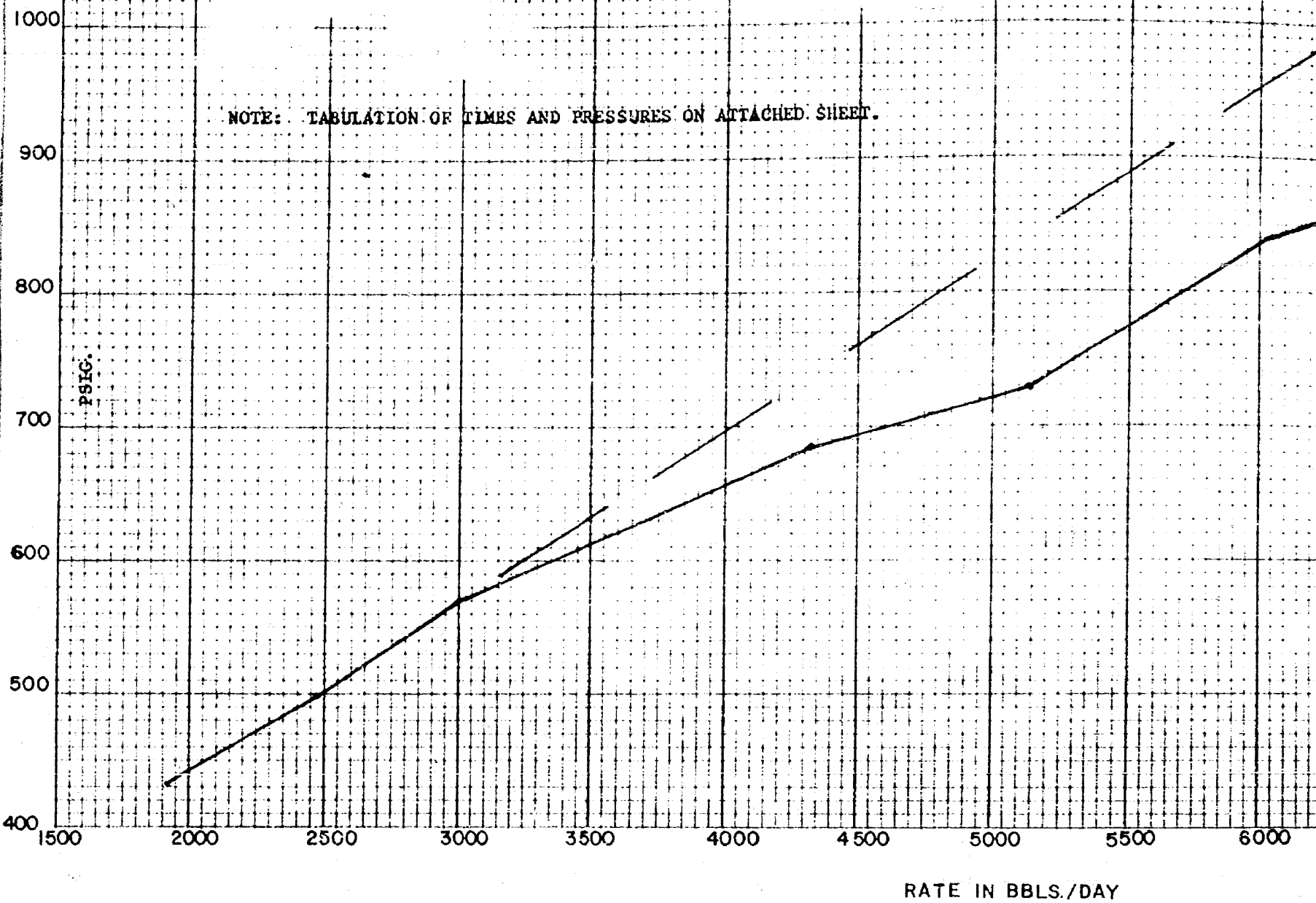
2150

PSI

REMARKS:

YATES PETROLEUM COMPANY
FEDERAL HJ NO. 1

NOTE: TABULATION OF TIMES AND PRESSURES ON ATTACHED SHEET.



PLOTTED USING SURFACE PRESSURES

6500 7000 7500 8000 8500

	Perfs	963-1470
TBG. DEPTH	926 Feet	DEPTH TO SN.

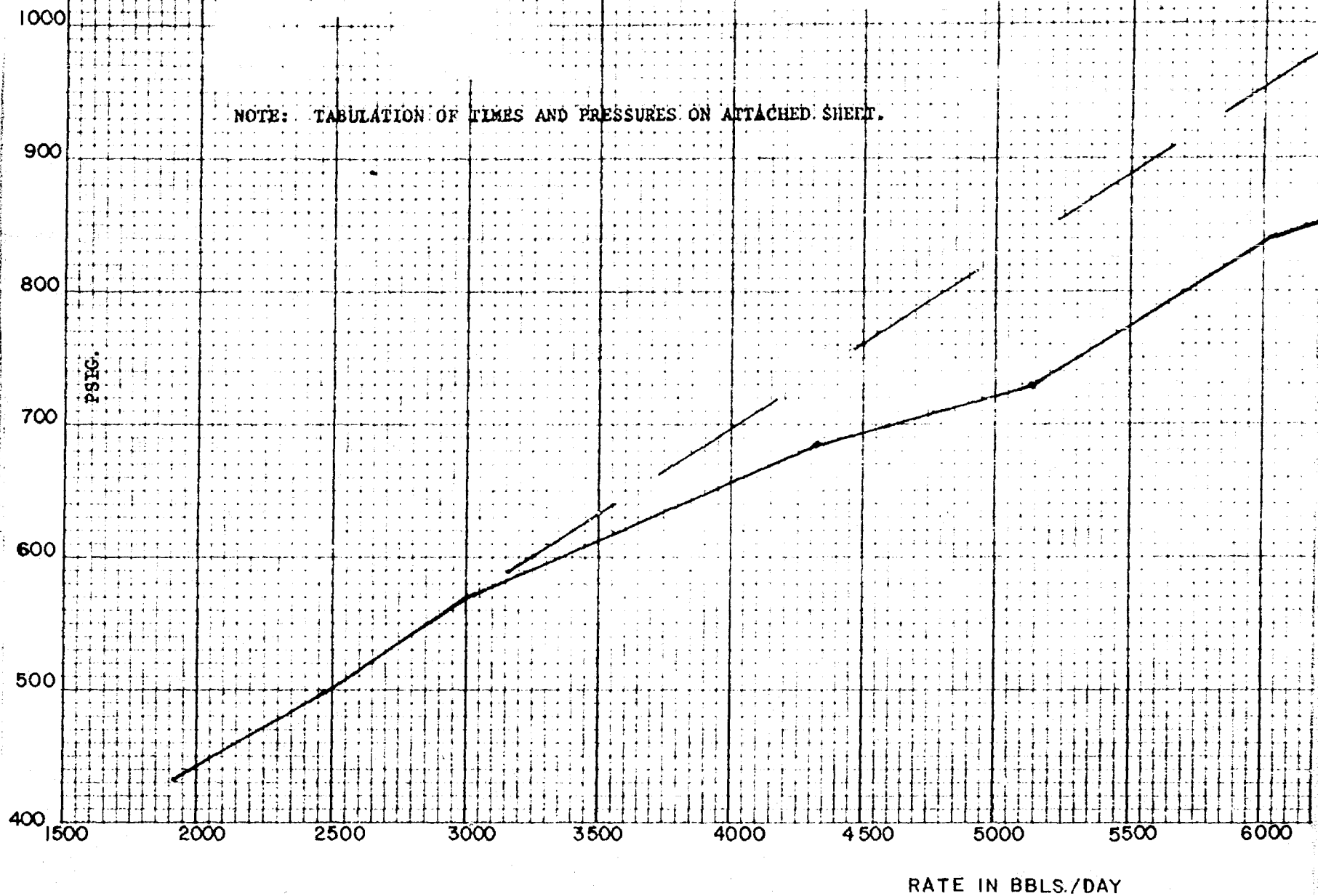
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Rate III	11:47 A.M.	570 PSIG	1137 PSI	116 Strokes		2982.86 B/PD
Pump Air locked	11:50 A.M.			172 Strokes		

[illegible]

REMARKS: _____

YATES PETROLEUM COMPANY
FEDERAL HJ NO. 1

NOTE: TABULATION OF TIMES AND PRESSURES ON ATTACHED SHEET.



PLOTTED USING SURFACE PRESSURES

6500 7000 7500 8000 8500

Rate in Bbls per/day

	Perfs	963-1470
TBG. DEPTH	926 Feet	DEPTH TO SN.

DATE	TIME	PRESSURE		CUMULATIVE METER READING	INJECTION RATE	
		SURFACE	BHP AT 1457 FT.		AVERAGE	INSTANTANEOUS
6-24-83	10:00 A.M.	115 PSIG		74 Strokes		
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Pump Air Locked	11:50 A.M.			172 Strokes		

[illegible]

BOMB NO. & PRESSURE RATING 17664 2150 PSI

REMARKS: _____

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
31 August 1977

EXAMINER HEARING

IN THE MATTER OF:

Application of Yates Petroleum Corpor-) CASE
ation for salt water disposal, Chaves) 6021
County, New Mexico.)

BEFORE: Daniel S. Nutter.

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the New Mexico Oil Lynn Teschendorf, Esq.
Conservation Commission: Legal Counsel for the Commission
State Land Office Building
Santa Fe, New Mexico

For the Applicant: Joel Carson, Esq.
LOSEE & CARSON P.A.
Artesia, New Mexico

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Phone (505) 982-9212

I N D E X

J. M. MORGAN

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E X H I B I T S

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 Phone (505) 982-9212

1 MR. NUTTER: Call Case 6021.

2 MS. TESCHENDORF: Case 6021. Application of Yates
3 Petroleum Corporation for salt water disposal, Chaves County,
4 New Mexico.

5 MR. CARSON: Mr. Examiner, my name is Joel Carson,
6 Losee and Carson, P.A., Artesia, New Mexico. I represent
7 the applicant. I have one witness who has not as yet been
8 sworn.

9 (Witness sworn.)

10 MR. CARSON: I don't want to be a continual prob-
11 lem this morning, Mr. Examiner, but I talked to Mr. Stamets
12 the other day and the application that we filed is incorrect
13 in that the perforations will go lower than the advertised
14 depth, and I think it has to be re-advertised but we'd like
15 to put on the testimony at this time subject to re-adver-
16 tising, if that's okay.

17 MR. NUTTER: I think this is one we can't amend
18 the application on for you.

19 MR. CARSON: No, I don't think so.

20 MR. NUTTER: So we will go ahead and hear this
21 case and continue it to the Examiner Hearing scheduled for
22 September 28th, and we'll withhold entering any order in the
23 hearing today until after the case has been re-advertised
24 and called up again.

25 MR. CARSON: Okay. Do you need more than the

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original copy of the application, amended application?

MR. NUTTER: This application is not completed insofar as the requirements of Rule 701 are concerned, so when you file your new application you might want to --

MR. CARSON: Well, insofar as exhibits required --

MR. NUTTER: Yes, sir.

MR. CARSON: If it's okay we're going to put them into evidence right now.

MR. NUTTER: Okay, fine.

J. M. MORGAN

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

DIRECT EXAMINATION

BY MR. CARSON:

Q Would you state your name, please?

A. My name is Johnny Morgan.

Q And, Mr. Morgan, what is your -- by whom are you employed?

A. Yates Petroleum Corporation.

Q And in what capacity?

A. As a production superintendent and engineer.

Q Mr. Morgan, you've previously testified before this Commission, have you not?

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1 A. Yes, sir, I have.

2 Q. And your qualifications have been acceptable?

3 A. Yes, they have.

4 Q. Would you state the nature of the amended appli-
5 cation to -- for salt water disposal?

6 A. Yes, sir. Yates Petroleum Corporation seeks
7 authority to dispose of produced salt water in the San Andres
8 Formation in the interval from 963 feet to 1560 feet in its
9 Federal "HJ" No. 1, located in Unit A, Section 31, Township
10 6 South, Range 26 East of the Linda San Andres Pool in
11 Chaves County.

12 Q. Now, Mr. Morgan, I'll refer you to Applicant's
13 Exhibit Number 1 and would ask you to explain that to the
14 Hearing Examiner.

15 A. Yes, sir. Exhibit Number 1 is a lease map showing
16 the location of the proposed injection well and the proposed
17 injection well is highlighted in orange.

18 Q. That exhibit also shows the surrounding well
19 locations, does it not?

20 A. Yes, sir, it does. It shows the surrounding well
21 locations and the operators.

22 Q. Now, Mr. Morgan, the Oil Commission has put out
23 a new rule effective August 24th, 1977, requiring applica-
24 tions to include a summary of the wells within one-half
25 mile of the injection well and to state their depths and

1 casing strings and so forth. Would you tell the Hearing
2 Examiner what -- the names and depths of the wells located
3 within one-half mile of your proposed injection well, as
4 well as the casing strings, setting depths, sacks of cement,
5 and so forth?

6 A. Yes, sir.

7 Q By reference -- you might do this by reference to
8 your exhibits.

9 A. Yes, sir, I will.

10 In Unit C, Section 32, 6 South, 26 East, is
11 located Doreen No. 1 Well, which is operated by Deanie Lou.
12 This well has 8-5/8ths-inch surface pipe, 7-inch intermediate
13 pipe, and 5-1/2-inch production casing. The 5-1/2-inch is
14 cemented with 75 sacks at 1052 feet. The intermediate
15 7-inch is cemented at 888 feet with 125 sacks. The surface
16 8-5/8ths casing is cemented at 268 feet with 50 sacks.
17 That well is TD'd at 1054 feet and is perforated in the San
18 Andres interval, the Linda San Andres Zone, at 976 feet to
19 990 feet.

20 In Unit N of Section 29, 6 South, 26 East, is
21 located the England Federal No. 1. This well is also oper-
22 ated by Deanie Lou. This well has 8-5/8ths-inch surface
23 pipe, which is cemented at the 102 feet with 25 sacks of
24 cement. It has 5-1/2-inch production casing, cemented at
25 920 feet with 50 sacks of cement and it has 4-inch liner,

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1 from 860 feet to 1120 feet, and it is cemented with 30 sacks
2 of cement. The TD of the well is 1117 feet and it's per-
3 forated from 986 feet to 994 feet in the Linda San Andres
4 interval.

5 In Unit B, Section 31, 6 South, 26 East, is located
6 the Federal "HJ" No. 2. This well is operated by Yates
7 Petroleum Corporation. This well has surface pipe, an 8-5/8ths
8 inch, cemented at 257 feet with 150 sacks of cement, 5-1/2
9 inch production casing, cemented at 1154 feet with 200 sacks
10 of cement.

11 Q I refer you to Applicant's Exhibit Number 2 and
12 ask you to identify that exhibit and explain it to the
13 Hearing Examiner.

14 A Yes, sir. This is a diagrammatic sketch of the
15 present completion in the Federal "HJ" No. 1 and the drawing
16 of course shows the well is now -- has a beam pumping unit
17 installation; it is opened to production from the interval
18 of 963 feet to 997 feet. It indicates that we have cast
19 iron bridge plug with cement at 1135 feet, perforations from
20 1230 to 1240 feet. It shows another cast iron bridge plug
21 with 14 feet of cement on it at 1290 feet, and additional
22 perforations at 1464 feet to 1470 feet.

23 Q I refer you to Plaintiff's Exhibit -- or Appli-
24 cant's Exhibit Number, I believe, 4, isn't it?

25 A Yes.

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1 Q And ask you to identify it.

2 A This is 3.

3 Q 3, and ask you to identify that.

4 A This exhibit is a diagrammatic sketch of the pro-
5 posed completion, showing the changes from the present to
6 the -- what we propose to do with the well. You'll note
7 that we have removed the production equipment, the tubing,
8 removed the cement and bridge plugs in all cases. We have
9 entered the hole and shot additional perforations. We have
10 installed a hook wall tension packer and 2-3/8ths-inch
11 tubing that's internally coated for corrosion, and we've
12 loaded the annulus with inhibited fresh water.

13 Q I refer you to your next exhibit and ask you to
14 identify that.

15 A The next exhibit, which is Exhibit 4, is a Side-
16 wall Neutron Log, porosity log of the subject well, and
17 highlighted in blue are the present perforations in the
18 well. Highlighted in orange are the proposed new perfora-
19 tions in the well, showing the intervals that we intend to
20 inject water into.

21 Q Refer you to Applicant's Exhibit Number 5 and which
22 is a water analysis performed by Chemex, and ask for you to
23 explain that exhibit to the Hearing Officer.

24 A The water analysis is a typical analysis of water
25 that we intend to inject into the proposed disposal well.

1 You'll note that the chlorides are 138 parts per
2 million in this particular analysis report and I consider
3 this analysis typical of waters common to the Linda San
4 Andres.

5 Q Now, Mr. Morgan, were all of these exhibits pre-
6 pared by you or under your supervision?

7 A Yes, they were.

8 MR. CARSON: I'd like to ask the admission of
9 these exhibits, Mr. Hearing Officer.

10 MR. NUTTER: Yates Exhibits 1 through 5 will be
11 admitted in evidence.

12 Q Mr. Morgan, do you feel that this disposal well
13 will have the effect of intruding in a fresh water zone?

14 A No, sir, it will not.

15 MR. CARSON: We'd ask that the application be
16 re-published.

17 MR. NUTTER: Yes, sir. Case Number 6021 will be
18 taken under advisement in a few minutes. The case will be
19 re-advertised for hearing at the Examiner Hearing scheduled
20 to be held at this same place at 9:00 o'clock a. m. Septem-
21 ber 28th, 1977, and it will be called at that time and ap-
22 pearances asked for, and no order will be entered until
23 after September 28th.

24

25

CROSS EXAMINATION

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1 BY MR. NUTTER:

2 Q Mr. Morgan, referring to your Exhibit Number 1
3 first, you mentioned three wells there. Are those the only
4 three wells currently within a half mile of the proposed
5 disposal well?

6 A Yes, sir, they are. Yates Petroleum Corporation
7 has another well within the process of being completed.
8 It's the Johnson "IL" and this well is located in Section 30.

9 Q Do you have any idea what the casing program on
10 that well is?

11 A The casing program on this well is virtually
12 identical to the "HJ" No. 2 and the Federal "HJ" No. 1.

13 Q Okay. Now I wonder if you could either leave
14 that summary that you have of the casing programs on the
15 three or four wells with us or if you could send us that
16 summary after you get home?

17 A Yes, sir, I will furnish you a copy of the summary.

18 Q Okay, fine.

19 Now, with respect to Exhibit Number 3, I note
20 that the top perforation here is at 963 and the bottom per-
21 foration is at 1560; however, the new application here to-
22 day calls for injection to be from 926 to 1560. What would
23 be the uppermost?

24 A The uppermost perf would be 963. I believe this
25 is it, the two arrows involved here.

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1 Q Now, with respect to pressure, Mr. Morgan, how
 2 much water will you be disposing of and how much water will
 3 the formation take under what pressures?

4 A We at the present time, we anticipate an injection
 5 in volume of approximately 175 barrels per day and we anti-
 6 cipate pressures less than 250 psi.

7 Q Is this going into the formation that's producing
 8 or is this below the formation that's producing in the other
 9 wells?

10 A This will be in the interval that is producing in
 11 the offsetting wells.

12 Q I see, and is this --

13 A Well, and also an additional for all four zones,
 14 and --

15 Q The lowermost section there.

16 A Well, no, sir, the uppermost section will be the
 17 ones that are open in the offsetting wells; the lower zones
 18 are not open, but it is still Linda San Andres, but it's
 19 water wet.

20 Q I see.

21 A We have swab tested the -- those lower zones and
 22 our -- the results of our swab test indicated that, that
 23 they were water wet and nonproductive of oil.

24 Q And you think your injection pressure would be
 25 less than 200 psi at the surface?

1 A. Yes, sir. Less than 250 psi.

2 Q. You are aware, Mr. Morgan, of the Commission's
3 rule of thumb of approximately two-tenths pounds per square
4 inch per foot of depth for disposal?

5 A. Yes, sir.

6 Q. And if your uppermost perforation would be at
7 963, the two-tenths rule of thumb would give you 192.6
8 pounds per square inch at the surface.

9 MR. NUTTER: Are there any further questions of
10 Mr. Morgan? He may be excused.

11 Do you have anything further, Mr. Carson?

12 MR. CARSON: Nothing further.

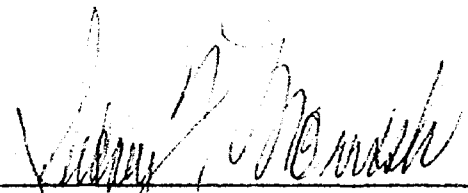
13 MR. NUTTER: Does anyone have anything to offer
14 in Case Number 6021?

15 If not, we will continue the case until the
16 hearing September 28th, as stated previously.

17 (Hearing concluded.)
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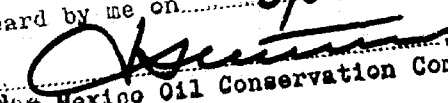
REPORTER'S CERTIFICATE

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



Sidney F. Morrish, C.S.R.

sid morrish reporting service
General Court Reporting Service
825 Calle Mejia, No. 122, Santa Fe, New Mexico 87501
Phone (505) 982-9212

I do hereby certify that the foregoing is
a complete record of the proceedings in
the Examiner hearing of Case No. 6029
heard by me on 8/31, 1979.

_____, Examiner
New Mexico Oil Conservation Commission

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
28 September 1977

EXAMINER HEARING

IN THE MATTER OF:

Application of Yates Petroleum Corporation for)
salt water disposal, Chaves County, New Mexico.)

CASE
6021

BEFORE: Daniel S. Nutter

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the New Mexico Oil
Conservation Commission:

Lynn Teschendorf, Esq.
Legal Counsel for the Commission
State Land Office Building
Santa Fe, New Mexico

sid morrish reporting service
General Court Reporting Service
825 Calle Mejia, No. 122, Santa Fe, New Mexico 87501
Phone (505) 982-9212

1 MR. NUTTER: We will now call Case Number 6021.

2 MS. TESCHENDORF: Case 6021. Application of Yates
3 Petroleum Corporation for salt water disposal, Chaves County,
4 New Mexico.

5 This case has already been heard and was merely
6 continued to correct an error in the advertisement.

7 MR. NUTTER: Case Number 6021 reopened as re-adver-
8 tised. Are there any appearances in this case?

9 We'll take the case under advisement.

10 (Hearing concluded.)
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sid morrish reporting service
General Court Reporting Service
825 Calle Mejia, No. 122, Santa Fe, New Mexico 87501
Phone (505) 962-9212

REPORTER'S CERTIFICATE

I, SALLY WALTON BOYD, a Certified Shorthand Reporter,
DO HEREBY CERTIFY that the foregoing and attached Transcript
of Hearing before the New Mexico Oil Conservation Commission
was reported by me, and the same is a true and correct record
of the said proceedings to the best of my knowledge, skill,
and ability.

Sally Walton Boyd
Sally Walton Boyd, C. S. R.

sid morrish reporting service
General Court Reporting Service
825 Calle Mejia, No. 122, Santa Fe, New Mexico 87501
Phone (505) 982-9212

I do hereby certify that the foregoing is
a complete and correct transcript of the proceedings in
the last case heard of Case No. 6021
heard by me on 9/28, 1977.

[Signature], Examiner
New Mexico Oil Conservation Commission

Cont \$ reads

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:

[Signature] CASE NO. 6021

Order No. R- 5545

[Signature] APPLICATION OF YATES PETROLEUM CORPORATION
FOR SALT WATER DISPOSAL, CHAVES COUNTY,
NEW MEXICO.

[Signature] 5545

ORDER OF THE COMMISSION

BY THE COMMISSION:

Sept 28

This cause came on for hearing at 9 a.m. on ~~August 31, 1977~~,
at Santa Fe, New Mexico, before Examiner, Daniel S. Nutter.

NOW, on this day of September, 1977, 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, Yates Petroleum Corporation,
is the owner and operator of the Federal HJ Well No. 1,
located in Unit A of Section 31, Township 6 South,
Range 26 East, NMPM, Linda-San Andres Pool,
Chaves County, New Mexico.

(3) That the applicant proposes to utilize said well to
dispose of produced salt water into the San Andres
formation, with injection into the perforated interval
from approximately 962 feet to 1240 1560 feet.

(4) That the injection should be accomplished through
2 3/8-inch plastic lined tubing installed in a packer
set at approximately 900 feet; that the casing-tubing annulus
should be filled with an inert fluid; and that a pressure gauge
or approved leak detection device should be attached to the

annulus in order to determine leakage in the casing, tubing, or packer.

(5) That the injection well or system should be equipped with a pop-off valve or acceptable substitute which will limit the wellhead pressure on the injection well to no more than 200 psi.

(6) That the operator should notify the supervisor of the Artesia ~~Eddy~~ district office of the Commission of the date and time of the installation of disposal equipment so that the same may be inspected.

(7) That the operator should take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

(8) That approval of the subject application will prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Yates Petroleum Corporation, is hereby authorized to utilize its Federal HJ Well No. 1, located in Unit A of Section 31, Township 6 South, Range 26 East, NMPM, Linda-San Andres Pool, Chaves County, New Mexico, to dispose of produced salt water into the San Andres formation, injection to be accomplished through 2 3/8-inch tubing installed in a packer set at approximately 900 feet, with injection into the perforated interval from approximately 963 ~~962~~ feet to 1240 ~~1240~~ feet;

PROVIDED HOWEVER, that the tubing shall be plastic-lined; that the casing-tubing annulus shall be filled with an inert fluid; and that a pressure gauge shall be attached to the annulus or the annulus shall be equipped with an approved leak detection device in order to determine leakage in the casing, tubing, or packer.

(2) That the injection well or system shall be equipped with a pop-off valve or acceptable substitute which will limit the wellhead pressure on the injection well to no more than 200 psi.

(3) That the operator shall notify the supervisor of the Artesia district office of the Commission of the date and time of the installation of disposal equipment so that the same may be inspected.

(4) That the operator shall immediately notify the supervisor of the Commission's Artesia district office of the failure of the tubing, casing, or packer, in said well or the leakage of water from or around said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

(5) That the applicant shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(6) 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.

Dockets Nos. 28-77 and 29-77 are tentatively set for hearing on September 14 and 20, 1977. Applications for hearing must be filed at least 27 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - AUGUST 31, 1977

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. Matter, Examiner, or Richard L. Statets, Alternate Examiner:

CASE 6016: In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Lead Oil Company, American Employers' Insurance Company, and all other interested parties to appear and determine why the Garner Well No. 1 located in Unit D of Section 23, Township 14 South, Range 25 East, Chaves County, New Mexico, should not be plugged and abandoned in accordance with a Commission-approved plugging program.

CASE 6017: Application of E. L. Itham, Jr. and Ray G. Barton, Jr., for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests underlying the E/2 NE/4 of Section 30, Township 9 South, Range 33 East, Flying H-San Andres Pool, Lea County, New Mexico, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof, as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.

CASE 6018: Application of Walter Hansen for salt water disposal, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Dakota formation through the open-hole interval from 687 feet to 706 feet in his North Hogback 1 Well No. 24 located in Unit C of Section 1, Township 29 North, Range 17 West, and from 691 feet to 702 feet in his North Hogback 6 Well No. 3 in Unit L of Section 6, Township 29 North, Range 16 West, Slickrock-Dakota Pool, San Juan County, New Mexico.

CASE 6019: Application of Gulf Oil Corporation for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its Littlefield "EM" Federal Com. Well No. 1 located in Unit J of Section 20, Township 18 South, Range 31 East, Eddy County, New Mexico, to produce gas from undesignated Atoka and Morrow gas pools.

CASE 6020: Application of Yates Petroleum Corporation for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Elevins "I-K" Well No. 1 to be drilled 660 feet from the North and West lines of Section 35, Township 17 South, Range 26 East, Eddy County, New Mexico, to test the Morrow formation, the N/2 of said Section 35 to be dedicated to the well.

CASE 6021: Application of Yates Petroleum Corporation for salt water disposal, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the San Andres formation in the interval from 952 feet to 1240 feet in its Federal HJ Well No. 1 located in Unit A of Section 31, Township 6 South, Range 26 East, Linda-San Andres Pool, Chaves County, New Mexico.

CASE 6022: Application of Continental Oil Company for an unorthodox gas well location, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Comoro 29-4 Well No. 8 to be drilled 2265 feet from the South line and 1635 feet from the West line of Section 20, Township 29 North, Range 4 West, Gobernador-Pictured Cliffs Pool, Rio Arriba County, New Mexico, the SW/4 of said Section to be dedicated to the well.

CASE 6023: Application of Inoce Oil Company for downhole coring/plugging and a tubing exception, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority for the downhole coring/plugging of Upper Penn and Strain production in the wellbore of its Federal 10 State Com Well No. 1 located in Unit L of Section 10, Township 21 South, Range 26 East, Avalon Gas Field, Eddy County, New Mexico. Applicant further seeks an exception to Commission Rule 107(d) to permit setting tubing 370 feet above the uppermost perforation in said well.

CASE 5997: (Continued from July 6, 1977, Examiner Hearing)

Application of Belco Petroleum Corporation for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Morrow formation underlying all of Section 9 and in the other Pennsylvanian formations underlying the E/2 of said Section 9, Township 24 South, Range 35 East, Cinto Roja-Morrow Gas Pool, Lea County, New Mexico, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof, as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.

CASE 6012: (Continued from August 17, 1977, Examiner Hearing)

Application of Gulf Energy and Mineral Company for a non-standard production well, simultaneous stimulation and anorthodex location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for a non-standard production well comprising all of Section 1 of Township 36N, 13W, Range 5E, North Dakota, Range 5E, North Dakota, Lea County, New Mexico, to be dedicated to a well to be drilled in Unit 1 and Unit 12 and 13, an anorthodex location in Units 6 and 8, respectively, of said Section 1.

CASE 6013: (Continued from August 17, 1977, Examiner Hearing)

Application of Kansas Gas Inc. for compulsory pooling and an anorthodex location, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order dedicating all mineral interests in the lands described underlying the 1/2 of Section 13, Township 36 North, Range 12 East, Section 13 East, San Juan County, New Mexico, to be dedicated to a well to be drilled at an anorthodex location 640 feet from the South line and 1400 feet from the East line of said Section 13. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof, as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.

CASE 6014: (Continued from August 17, 1977, Examiner Hearing)

Application of Tensaco Oil Company for donahole completion, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the donahole completion of Blanco Mesaverte and Basin Dakota production in the wellbore of its Jicarilla "A" Well No. 1 in Unit 1 of Section 28, "B" Well No. 8 in Unit 9 of Section 19, "C" Wells Nos. 4, 5, 6, 7, and 8, located, respectively, in Units 9 and 1 of Section 24, 1 of Section 14, and 1 and 2 of Section 13, all in Township 36 North, Range 5 East, Rio Arriba County, New Mexico.

BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION

Application of the Yates Petroleum Corporation to dispose of produced saltwater through its Federal HJ No. 1 well located in Unit A, Section 31, Township 6 South, Range 26 East, N.M.P.M., Chaves County, New Mexico.

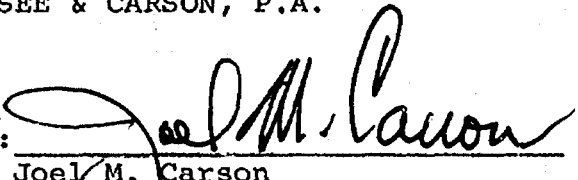
No. 6021

FIRST AMENDED APPLICATION

COMES NOW the applicant, Yates Petroleum Corporation, and asks this Commission to enter its order allowing applicant to dispose of produced saltwater through an existing well and in support thereof states:

1. Applicant is the owner-operator of the Federal HJ No. 1 located in Unit A, Section 31, Township 6 South, Range 26 East, N.M.P.M., Chaves County, New Mexico.
2. Applicant proposes to utilize the said well for the disposal of produced saltwater into the San Andres formation at a depth from approximately ~~926~~⁹⁶³ feet to 1,560 feet.
3. The disposal of produced saltwater will be through a tubing string and appropriate packer installation.
4. To the best of applicant's knowledge and belief there will be no opposition to this application and the names of any possible interested parties will be supplied to the Commission.
5. This matter may be set before the Commission or one of its examiners in the discretion of the Commission.

LOSEE & CARSON, P.A.

By: 

Joel M. Carson
P. O. Drawer 239
Artesia, New Mexico 88210

Dockets Nos. 31-77 and 32-77 are tentatively set for hearing on October 12 and 26, 1977. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - SEPTEMBER 28, 1977

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:

- CASE 6048: In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Saguaro Oil Company and all other interested parties to appear and show cause why the Moran State Well No. 1 located in Unit A of Section 36, Township 18 North, Range 9 West, McKinley County, New Mexico, should not be plugged and abandoned in accordance with a Commission-approved plugging program.
- CASE 6049: In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Douglas Kenaston, Mints-Kenaston Drilling Co., and all other interested parties to appear and show cause why the Masden-Selby Well No. 1 located in Unit I of Section 21, Township 29 North, Range 11 West, San Juan County, New Mexico, should not be plugged and abandoned in accordance with a Commission-approved plugging program.
- CASE 6050: In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit J. Felix Hickman and all other interested parties to appear and show cause why the Malco State Com Well No. 1 located in Unit G of Section 16, Township 26 North, Range 8 West, San Juan County, New Mexico, should not be plugged and abandoned in accordance with a Commission-approved plugging program.
- CASE 6051: In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit B. G. West and N. W. McIntosh and all other interested parties to appear and show cause why the Rollins and Dodgen Well No. 2 located in Unit D of Section 28, Township 18 North, Range 3 West, Sandoval County, New Mexico, should not be plugged and abandoned in accordance with a Commission-approved plugging program.
- CASE 6052: In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Western Energy Corporation and all other interested parties to appear and show cause why the Ute Well No. 2 located in Unit O of Section 23, Township 31 North, Range 16 West, San Juan County, New Mexico, should not be plugged and abandoned in accordance with a Commission-approved plugging program.
- CASE 6053: In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Noel Reynolds and all other interested parties to appear and show cause why the Torreon Water Well No. 1 located in Unit J of Section 28, Township 18 North, Range 3 West, Sandoval County, New Mexico, should not be plugged and abandoned in accordance with a Commission-approved plugging program.
- CASE 6054: In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit John F. Staver and all other interested parties to appear and show cause why the Papertin Well No. 1 located in Unit F of Section 26, Township 19 North, Range 5 West, McKinley County, New Mexico, should not be plugged and abandoned in accordance with a Commission-approved plugging program.
- CASE 6055: In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Han-San, Inc., and all other interested parties to appear and show cause why the Grevey Well No. 4 located in Unit E of Section 26, Township 26 North, Range 1 East, Rio Arriba County, New Mexico, should not be plugged and abandoned in accordance with a Commission-approved plugging program.
- CASE 6056: In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Julius Chodorow, American Employers' Insurance Company, and all other interested parties to appear and show cause why the Ute Well No. 1 located in Unit F of Section 20, Township 31 North, Range 15 West, San Juan County, New Mexico, should not be plugged and abandoned in accordance with a Commission-approved plugging program.
- CASE 6021: (Readvertised)
Application of Yates Petroleum Corporation for salt water disposal, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the San Andres formation in the interval from 963 feet to 1560 feet in its Federal HJ Well No. 1 located in Unit A of Section 31, Township 6 South, Range 26 East, Linda-San Andres Pool, Chaves County, New Mexico.
- CASE 5983: (Continued from September 14, 1977, Examiner Hearing)
Application of Yates Petroleum Corporation for the amendment of Order No. R-5445, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-5445 to provide for a 200 percent risk factor for drilling the unit well rather than 20 percent. Said order pooled the N/2 of Section 19, Township 20 South, Range 25 East, Eddy County, New Mexico.

- CASE 6038: Application of W. Ridley Wheeler Estate for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in an undesignated San Andres reservoir by the injection of water into the San Andres formation through the open-hole interval from 4800 feet to 4870 feet in its Markham Well No. 2, to be drilled 1980 feet from the South line and 25 feet from the East line of Section 28, Township 9 South, Range 35 East, Lea County, New Mexico.
- CASE 6039: Application of Gulf Oil Corporation for directional drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the directional drilling of three Drinkard Pool wells on its Central Drinkard Unit in Township 21 South, Range 37 East, Lea County, New Mexico, as follows:
- Well No. 419, surface location 1631 feet from the South line and 260 feet from the West line of Section 28, to be bottomed approximately 1335 feet from South line and 15 feet from East line of Section 29; Well No. 421, surface location 1465 feet from North line and 1056 feet from East line of Section 32, to be bottomed approximately 1305 feet from North and East lines of Section 32; and Well No. 422, surface location 1155 feet from North line and 1000 feet from West line of Section 33, to be bottomed approximately 1305 feet from North line and 1335 feet from West line of Section 33.
- CASE 6040: Application of Gulf Oil Corporation for pool reclassification and a special GOR limit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the reclassification of the North Teague-Devonian Gas Pool in Sections 22 and 27, Township 23 South, Range 37 East, Lea County, New Mexico, as an oil pool and the consolidation of said pool with the Teague-Devonian Oil Pool in Sections 27, 34, and 35 of said Township. Applicant further requests a special gas-oil ratio limit for said Teague-Devonian Oil Pool of not more than 5000 to one.
- CASE 6041: Application of Gulf Oil Corporation for an unorthodox location and simultaneous dedication, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Harry Leonard Well No. 12 located in Unit P of Section 22, Township 21 South, Range 36 East, Eumont Gas Pool, Lea County, New Mexico, to be simultaneously dedicated to a previously approved 480-acre multiple well non-standard proration unit.
- CASE 6042: Application of Gulf Oil Corporation for a non-standard proration unit, simultaneous dedication, and unorthodox locations, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for a 388.51-acre non-standard gas proration unit comprising the NW/4 and E/2 SW/4 of Section 6, and the NW/4 of Section 7, both in Township 22 South, Range 37 East, Eumont Gas Pool, Lea County, New Mexico, to be simultaneously dedicated to applicant's H. T. Mattern Wells Nos. 6 and 3, at unorthodox locations in Unit N of Section 6 and Unit F of Section 7, respectively.
- VASE 6043: Application of V-F Petroleum Inc., for an unorthodox oil well location, Roosevelt County, New Mexico. Applicant, in the above-styled cause, seeks approval for an unorthodox oil well location 330 feet from the South line and 2310 feet from the East line of Section 29, Township 8 South, Range 38 East, North Sawyer-Devonian Pool, Roosevelt County, New Mexico.
- CASE 6044: Application of Orla Petco for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests down to 3500 feet underlying the NE/4 NE/4 of Section 1, Township 23 South, Range 27 East, and also the NW/4 NE/4 of said Section, Eddy County, New Mexico, to form two 40-acre units, each to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said wells and the allocation of the costs thereof, as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the wells and a charge for risk involved in drilling said wells.
- CASE 6045: Application of Burleson & Huff for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests underlying the NW/4 of Section 12, Township 21 South, Range 36 East, Eumont Gas Pool, Lea County, New Mexico, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof, as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.
- CASE 6046: Application of Belco Petroleum Corporation for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Morrow formation underlying all of Section 3, Township 22 South, Range 25 East, Catclaw Draw-Morrow Gas Pool, Eddy County, New Mexico, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof, as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.

CASE 6047: Application of Continental Oil Company for capacity allowables, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for a capacity allowable for its Pearl "B" Wells Nos. 5 and 6, located in Units M and O, respectively, of Section 25, Township 17 South, Range 32 East, and its Pearl "B" Well No. 7 located in Unit M of Section 30, Township 17 South, Range 33 East, Maljamar Grayburg-San Andres Pool, Lea County, New Mexico.

CASE 6001: (Continued from August 3, 1977 Examiner Hearing)

Application of Mesa Petroleum Co. for an exception to Order No. R-5459, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an exception to the provisions of Order No. R-5459 to exclude its Primo Well No. 1-A located in Unit D of Section 6, Township 31 North, Range 10 West, San Juan County, New Mexico, from the vertical limits of the Blanco-Mesaverde Pool as defined by said order.

CASE 5997: (Continued from July 20, 1977, Examiner Hearing)

Application of Atlantic Richfield Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for its East Drinkard Unit Area comprising 3080 acres, more or less, of Federal and fee lands in Sections 11, 12, 13, 14, 23 and 24, Township 21 South, Range 37 East, Lea County, New Mexico.

CASE 5998: (Continued from July 20, 1977, Examiner Hearing)

Application of Atlantic Richfield Company for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project on its East Drinkard Unit Area, Lea County, New Mexico, by the injection of water into the Drinkard formation through 30 wells.

CASE 5999: (Continued from July 20, 1977, Examiner Hearing)

Application of Atlantic Richfield Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for its East Blinebry Unit Area comprising 3080 acres, more or less, of Federal and fee lands in Sections 11, 12, 13, 14, 23, and 24, Township 21 South, Range 37 East, Lea County, New Mexico.

CASE 6000: (Continued from July 20, 1977, Examiner Hearing)

Application of Atlantic Richfield Company for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project on its East Blinebry Unit Area, Lea County, New Mexico, by the injection of water into the Blinebry formation through 38 wells.

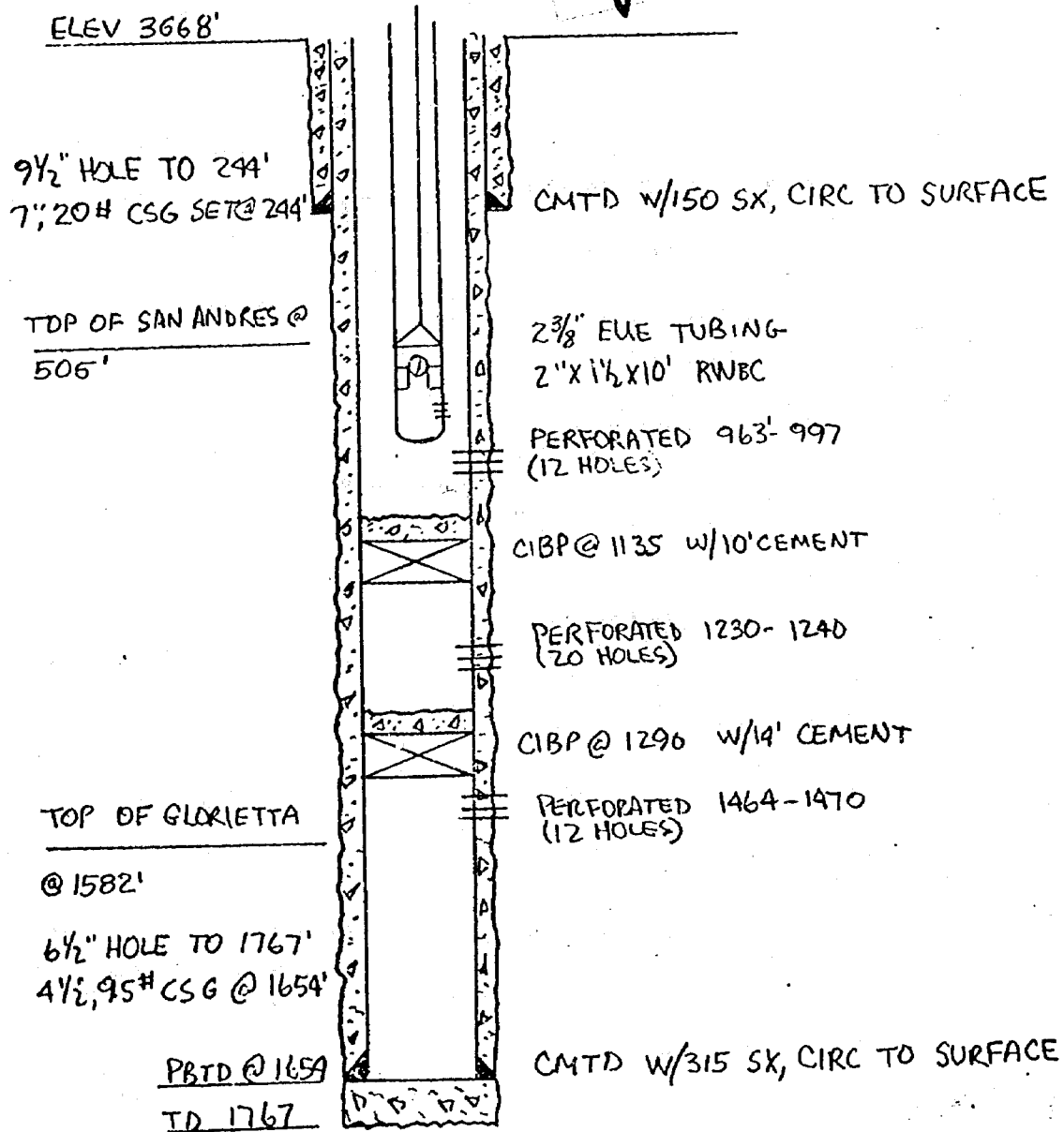
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DIAGRAMMATIC SKETCH
OF
PRESENT COMPLETION

YATES PETROLEUM CORP.
FEDERAL "HJ" NO 1
330' FNL & 330' FEL
SECTION 31-6S-26E
CHAVES COUNTY, NEW MEXICO

appl 6021 2



JMM 8/18/77

DIAGRAMMATIC SKETCH
OF
PROPOSED COMPLETION

YATES PETROLEUM CORP.
FEDERAL "HJ" No 1
330' FNL, 330' FNL
SECTION 31-6S-26E
CHAVES COUNTY, NEW MEXICO

DATE	WELL
6/1/77	6021
3	

*expect to surface
175 BPD
at less
250 psi
at pump*

ELEVATION 3668' GR

9 1/2" HOLE TO 244'
7" 20# CSG SET @ 244'

TOP OF SAN ANDRES
@ 505'

TOP OF GLORIETTA
@ 1582'
6 1/4" HOLE TO 1767'
4 1/2" 9.5# CSG @ 1654'

PBTD 1654
ID 1767'

CMTD W/150 SX, CIRC TO SURFACE

ANNULUS LOADED W/INHIBITED
FRESH WATER

2 7/8" EUE TUBING, ID COATED
FOR CORROSION

HOOKE WALL TENSION PACKER
@ ± 900'

963'-97 (20 HOLES)

1030-1108

1230'-40 (20 HOLES)

1400-1560 (±30 HOLES)

CMTD W/315 SX, CIRC TO SURFACE

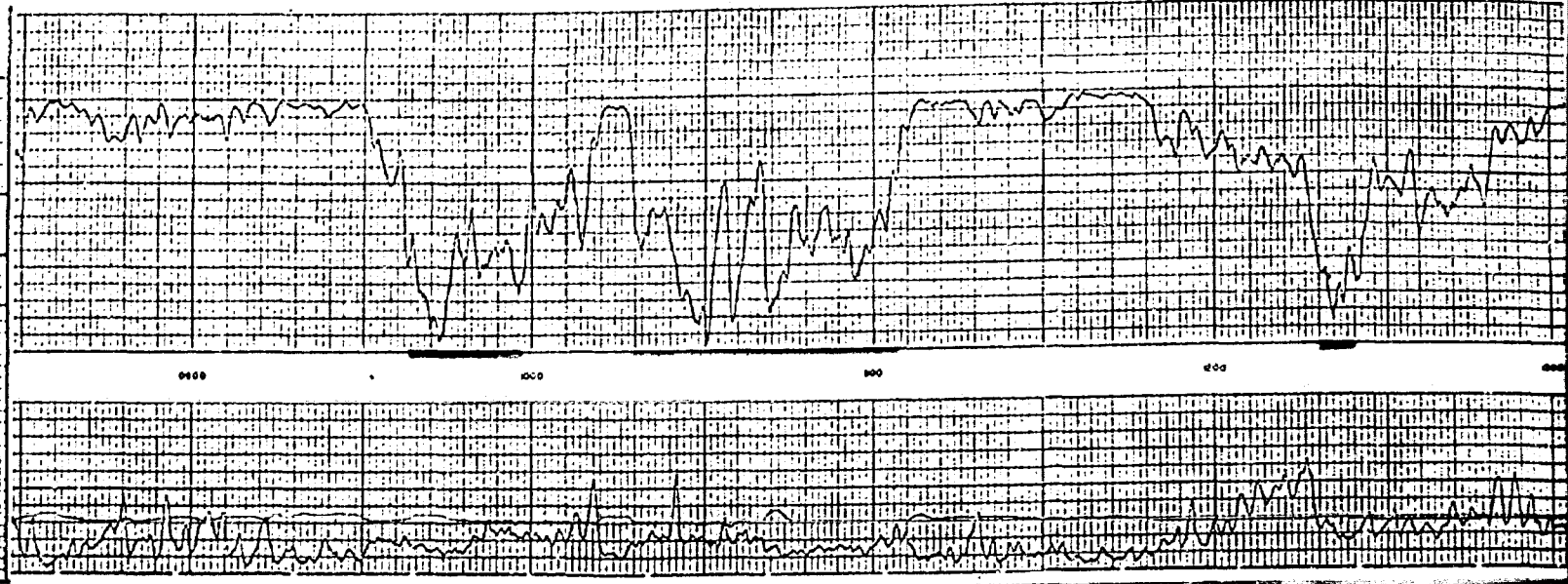
*963
2
19 2.6*

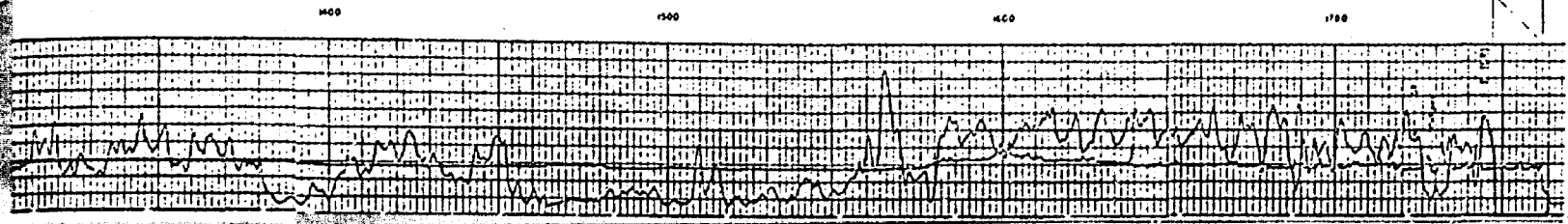
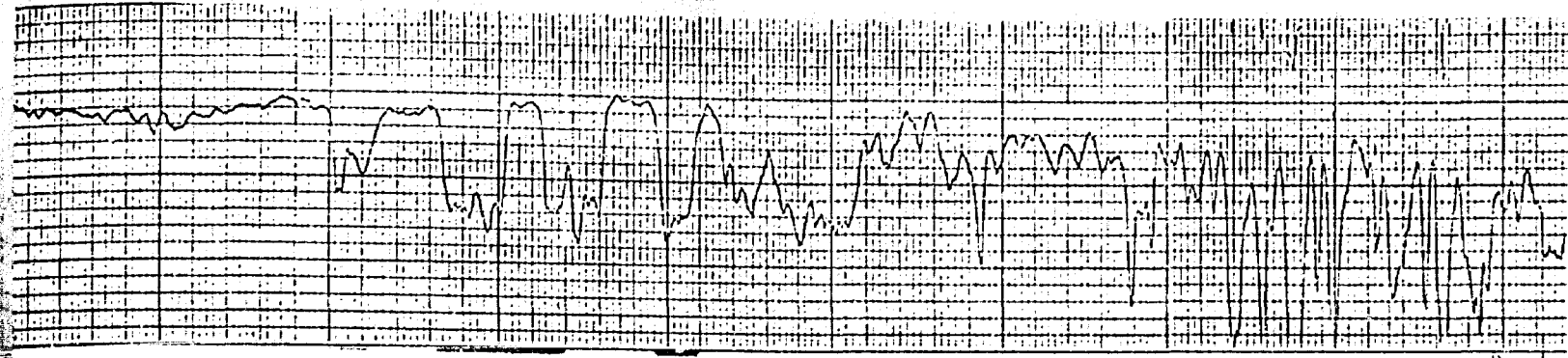
JMM 8/18/77

STANDARD
FORM NO. 100 (REV. 1-55)
FEDERAL BUREAU OF INVESTIGATION

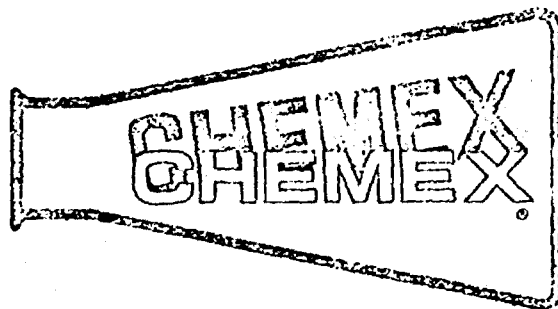
UNIT (SEE INSTRUCTIONS)	COMPANY, FATES PETROLEUM CORPORATION
LOCAL (SEE INSTRUCTIONS)	ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE (SEE INSTRUCTIONS)	DATE OF ORIGIN (SEE INSTRUCTIONS)
FILE (SEE INSTRUCTIONS)	FILE (SEE INSTRUCTIONS)
CLASS (SEE INSTRUCTIONS)	CLASS (SEE INSTRUCTIONS)
EXTENSION (SEE INSTRUCTIONS)	EXTENSION (SEE INSTRUCTIONS)
REMARKS (SEE INSTRUCTIONS)	REMARKS (SEE INSTRUCTIONS)

1. NAME (LAST, FIRST, MIDDLE)
2. BIRTH DATE (MM/DD/YYYY)
3. BIRTH PLACE (CITY, STATE, COUNTRY)
4. SOCIAL SECURITY NUMBER
5. MARITAL STATUS
6. OCCUPATION
7. EDUCATION
8. RELIGION
9. RACE
10. SEX
11. HEIGHT
12. WEIGHT
13. HAIR COLOR
14. EYE COLOR
15. SKIN COLOR
16. BLOOD TYPE
17. FINGERPRINTS
18. SIGNATURE
19. PHOTOGRAPH
20. OTHER INFORMATION



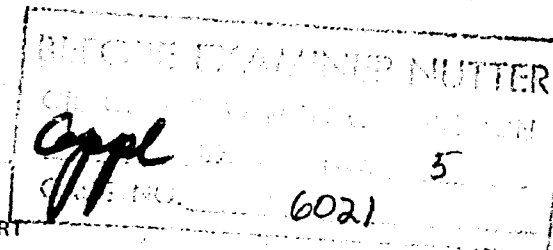


A typical analysis of water to be injected
into the proposed disposal well Federal HJ #1



Phone (505) 746 0100

P. O. Box 423
Artesia, N. M. 88210



WATER ANALYSIS REPORT

Company Yates Pet. Corp. Date 8-29-77

Field Linda County Chaves State N.M.

Lease and Well No. Federal HJ #2 Prod. Formation _____

Source of Sample Well Head

Sample of Prod. Water ☒ Inj. Water ☐ Other ☐

Date Collected 8-29-77 Analyst J. Dudley

Dissolved Solids
Constituent

MG/L (PPM)

EPM

Calcium 5,760 MG/L
Magnesium 9,740 MG/L
Sodium nil
Iron nil
Chloride 138,000 MG/L
Bicarbonate 56 MG/L
Carbonate nil
Sulfate 150 MG/L

ph 6.9
Sp. Gravity _____

Total Hardness 15,000 MG/L
Total Dissolved Solids 153,000 MG/L
Hydrogen Sulfide nil
Oxygen nil

Remarks:

Potassium ion concentration = 4,400 p.p.m.

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. 6021
Order No. R-5545

APPLICATION OF YATES PETROLEUM
CORPORATION FOR 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 September 28, 1977, at Santa Fe, New Mexico, before Examiner, Daniel S. Nutter.

NOW, on this 18th day of October, 1977, 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, Yates Petroleum Corporation, is the owner and operator of the Federal HJ Well No. 1, located in Unit A of Section 31, Township 6 South, Range 26 East, NMPM, Linda-San Andres Pool, Chaves County, New Mexico.

(3) That the applicant proposes to utilize said well to dispose of produced salt water into the San Andres formation, with injection into the perforated interval from approximately 963 feet to 1560 feet.

(4) That the injection should be accomplished through 2 3/8-inch plastic lined tubing installed in a packer set at approximately 900 feet; that the casing-tubing annulus should be filled with an inert fluid; and that a pressure gauge or approved leak detection device should be attached to the annulus in order to determine leakage in the casing, tubing, or packer.

-2-

Case No. 6021

Order No. R-5545

(5) That the injection well or system should be equipped with a pop-off valve or acceptable substitute which will limit the wellhead pressure on the injection well to no more than 200 psi.

(6) That the operator should notify the supervisor of the Artesia district office of the Commission of the date and time of the installation of disposal equipment so that the same may be inspected.

(7) That the operator should take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

(8) That approval of the subject application will prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Yates Petroleum Corporation, is hereby authorized to utilize its Federal HJ Well No. 1, located in Unit A of Section 31, Township 6 South, Range 26 East, NMPM, Linda-San Andres Pool, Chaves County, New Mexico, to dispose of produced salt water into the San Andres formation, injection to be accomplished through 2 3/8-inch tubing installed in a packer set at approximately 900 feet, with injection into the perforated interval from approximately 963 feet to 1560 feet;

PROVIDED HOWEVER, that the tubing shall be plastic-lined; that the casing-tubing annulus shall be filled with an inert fluid; and that a pressure gauge shall be attached to the annulus or the annulus shall be equipped with an approved leak detection device in order to determine leakage in the casing, tubing, or packer.

(2) That the injection well or system shall be equipped with a pop-off valve or acceptable substitute which will limit the wellhead pressure on the injection well to no more than 200 psi.

(3) That the operator shall notify the supervisor of the Artesia district office of the Commission of the date and time of the installation of disposal equipment so that the same may be inspected.

-3-

Case No. 6021
Order No. R-5545

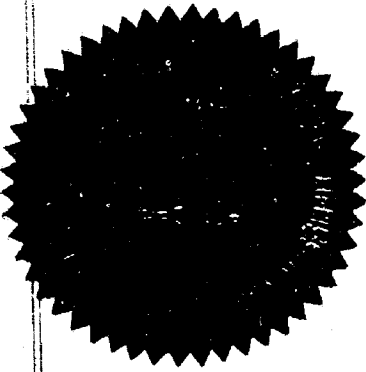
(4) That the operator shall immediately notify the supervisor of the Commission's Artesia district office of the failure of the tubing, casing, or packer, in said well or the leakage of water from or around said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

(5) That the applicant shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(6) 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



Phil R. Lucero
PHIL R. LUCERO, Chairman

Emery C. Arnold
EMERY C. ARNOLD, Member

Joe D. Ramey
JOE D. RAMEY, Member & Secretary

S E A L

dr/



OIL CONSERVATION COMMISSION

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



DIRECTOR
JOE D. RAMEY

LAND COMMISSIONER
PHIL R. LUCERO
October 20, 1977

STATE GEOLOGIST
EMERY C. ARNOLD

Mr. Joel Carson
Losee & Carson
Attorneys at Law
P. O. Drawer 239
Artesia, New Mexico 88210

Re: CASE NO. 6021
ORDER NO. R-5545

Applicant:

Yates Petroleum Corporation

Dear Sir:

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

Yours very truly,


JOE D. RAMEY
Director

JDR/fd

Copy of order also sent to:

Hobbs OCC x
Artesia OCC x
Aztec OCC

Other



United States Department of the Interior

GEOLOGICAL SURVEY
P. O. Drawer 0
Artesia, New Mexico 88210

March 20, 1978

RECEIVED

Yates Petroleum Corporation
207 South Fourth Street
Artesia, New Mexico 88210

MAR 21 1978

D. C. C.
ARTESIA, OFFICE

Gentlemen:

Your Notice of Intention to convert and operate as a salt water disposal well, the No. 1-Federal "MJ" in the NE1/4 sec. 31, T. 6 S., R. 26 E., N.M.P.M., Chaves County, New Mexico on oil and gas lease MT-2357, by injecting produced waters into the San Andres formation from approximately 963 feet to 1560 feet, is hereby approved subject to the following:

1. If off-lease waters are to be included in this disposal system, appropriate approval to operate this well as such must be secured from the Bureau of Land Management prior to disposing of any such waters.
2. Where applicable and required, right-of-way permits for pipelines from other leases must be secured from the Bureau of Land Management prior to laying of any such gathering lines.
3. The usual Sundry Notice (form 9-331 in quintuplicate) must be filed with this office prior to commencing any further workover, treatment, suspension of operation, or change of status of this well.
4. A monthly injection report, which includes injected water for that month, cumulative injected water, and average injected pressures, must be submitted to this office in duplicate.

Sincerely yours,

(Orig. Sgd.) JOE G. LARA

Joe G. Lara
Acting District Engineer

Attachment

cc: U.S.G.S. (Roswell)
N.M.O.C.C. (2)

NMOCC COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM 2357

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

MAR 21 1978

2. NAME OF OPERATOR

Yates Petroleum Corporation

3. ADDRESS OF OPERATOR

207 S. 4th Street, Artesia, New Mexico 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

330' FNL & 330' FEL Section 31-6S-26E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, CR, etc.)

3668 (GR)

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal "HJ"

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Linda (SA)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec 31-6S-26E

Unit A NMPM

12. COUNTY OR PARISH

Chaves

13. STATE

NM

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other) Convert to SWD

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

We request your approval to convert the subject well to salt water disposal. We have applied to the New Mexico State Oil Conservation Commission and received their approval for this conversion. A copy of their order No. R-5545 is attached.

RECEIVED
FEB 1 1978
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Production Superintendent

DATE 1/31/78

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

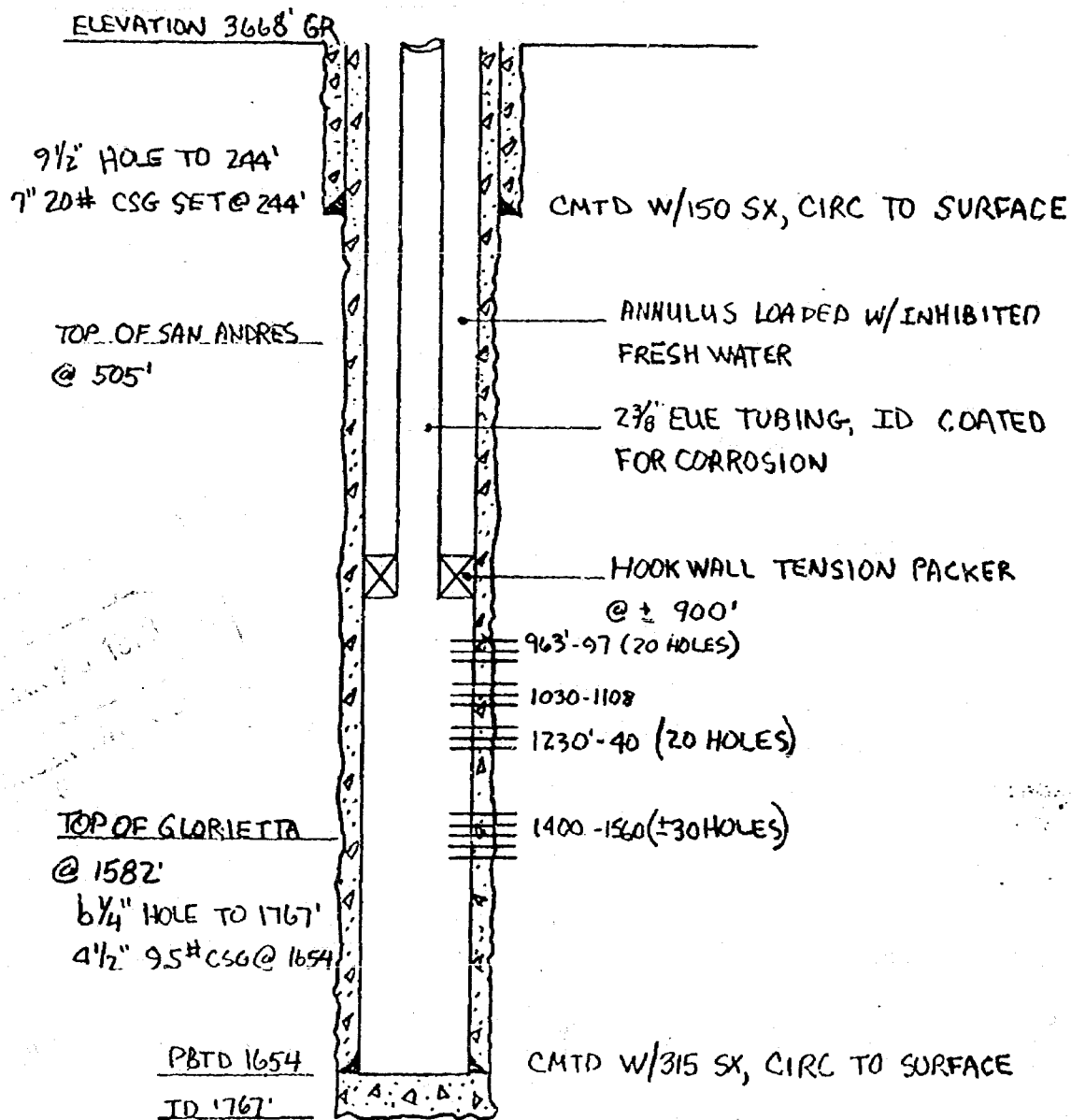
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

DIAGRAMMATIC SKETCH
OF
PROPOSED COMPLETION

YATES PETROLEUM CORP.
FEDERAL "H" No 1
330' FNL, 330' FWL
SECTION 31-6S-26E
CHAVES COUNTY, NEW MEXICO

RECEIVED
MAR 14 1978
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO



JMM 8/18/77

A. J. LOSEE
JOEL M. CARSON
CHAD DICKERSON

LAW OFFICES
LOSEE & CARSON, P.A.
300 AMERICAN HOME BUILDING
P. O. DRAWER 239
ARTESIA, NEW MEXICO 88210

AREA CODE 505
746-3508

File Case 6021

16 September 1977

SEP 19 1977
OIL CONSERVATION COM.
Santa Fe

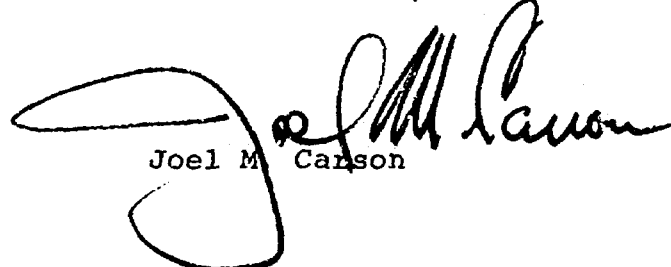
Mr. Dan Nutter
New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Dear Dan:

Here is the data submitted by John Morgan for hearing on
Yates Petroleum Corporation's Federal "HJ" No. 1, which
has been reduced to written form to be included in the
record.

Yours truly,

LOSEE & CARSON, P.A.


Joel M. Carson

JMC:bjm
Enclosure

DATA CONCERNING WELLS WITHIN 1/2 MILE OF YATES PETROLEUM'S
FEDERAL HJ #1.

Operator: Deanie Lou
Well: Ring No. 1
Location: C-32-6S-26E, Chaves County
TD : 1054'
Perforations: (Linda SA) 976' - 990'
Casing Detail: 8 5/8", 32# Set @ 268' w/50 sx
7", 26# Set @ 888' w/125 sx
5 1/2" 15.5# set @ 1052' w/75 sx

Operator: Deanie Lou
Well: England Federal No. 1
Location: N-29-6S-26E Chaves County
TD: 1117
Perforations: (Linda SA) 986-994
Casing Detail: 8 5/8", 32# Set @ 102' w/25 sx
5 1/2", 15.5#, Set @ 920' w/50 sx
4" liner 860-1120' w/30 sx

Operator: Yates Petroleum Corporation
Well: Federal HJ No. 2
Location: B-31-6S-26E Chaves County
TD: 1154'
Perforations: (Linda SA)
Casing Detail: 8 5/8", 20#, set @ 257' w/150 sx
5 1/2", 14#, set @ 1154' w/200 sx

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Application of Yates Petroleum Corp.
for Salt Water Disposal, Chaves County, N.M.

Applicant, in the above-styled cause, seeks
authority to dispose of produced salt water
into the San Andres formation in the interval
from 962 feet to 1240 feet in its Federal
HJ Well No. 1 located in Unit A of Section
31, Township 6 South, Range 26 East, Linda-
San Andres Pool, Chaves County, New Mexico.

Called in by Joel Carson 8-10-77

744-3508

written appl to Fallon.
dsr

