

CASE NO.

6511

APPLICATION,
TRANSCRIPTS,
SMALL EXHIBITS,
ETC.

SALLY WALTON BOYD
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Santa Fe, New Mexico 87501

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
State Land Office Building
Santa Fe, New Mexico
28 March 1979

EXAMINER HEARING

IN THE MATTER OF:

Application of Yates Petroleum Corpor-) CASE
ation for a dual completion and downhole) 6511
commingling, Eddy County, New Mexico.)

BEFORE: Richard L. Stamets

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation
Division:

Lynn Teschendorf, Esq.
Legal Counsel for the Division
State Land Office Building
Santa Fe, New Mexico 87503

For the Applicant:

Joel Carson, Esq.
LOSEE, CARSON & DICKERSON P.A.
Artesia, New Mexico 88201

I N D E X

EDDIE MAHFOOD

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A - Strawn	
B - Upper Morrow	
C - Lower Morrow	

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1 MR. STAMETS: Call next Case 6511.

2 MS. TESCHENDORF: Case 6511. Application
3 of Yates Petroleum Corporation for dual completion and
4 downhole commingling, Eddy County, New Mexico.

5 MR. CARSON: Mr. Examiner, my name is Joel
6 Carson, Losee, Carson and Dickerson, P. A., Artesia, New
7 Mexico. I have one witness, Mr. Eddie Mahfood.

8 MR. STAMETS: He will please stand and be
9 sworn.

10
11 (Witness sworn.)

12
13 EDDIE MAHFOOD

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

16
17 DIRECT EXAMINATION

18 BY MR. CARSON:

19 Q Mr. Mahfood, would you state your name,
20 please?

21 A. Eddie Mahfood.

22 Q And by whom are you employed, Mr. Mahfood?

23 A. Yates Petroleum, Artesia, New Mexico.

24 Q And in what capacity?

25 A. Chief Engineer.

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1 MR. CARSON: Mr. Examiner, before I begin
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6 Morrow, as shown on one of our exhibits here, is not con-
7 fused with the production from upper Morrow or the Strawn,
8 because of the Yates' belief that the upper Morrow and the
9 Strawn are perhaps new reservoirs, and applications for
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16 MR. STAMETS: So you're not in a rush for
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18 MR. CARSON: Well, as the Examiner knows,
19 we had applied -- this well is being produced from the
20 lower Morrow. The upper Morrow and Strawn are presently
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5 fact two separate pays.

6 MR. STAMETS: I think we'll be loathe to
7 create two separate Morrow Pools.

8 A. I don't think so, Mr. Examiner.

9 MR. STAMETS: Off the record.

10 (There followed a discussion
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16 MR. STAMETS: The witness is considered
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18 Q. (Mr. Carson continuing.) Mr. Mahfood, would
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21 A. Yates Petroleum is asking for dual comple-
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25 Q. And the well is the Tom Brown GO No. 1,

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1 located in Unit C of Section 22, 17, 26.

2 A. That is correct.

3 Q. Is that correct, Mr. Mahfood?

4 A. That is correct.

5 Q. I refer you to Applicant's Exhibit Number
6 One and ask you to identify that.

7 A. That's an ownership map showing the loca-
8 tion of the Tom Brown and the dedicated acreage.

9 Q. Okay, now I refer you to Applicant's Exhibit
10 Number Two and ask you to identify that exhibit and explain
11 what it shows.

12 A. It's a diagrammatic sketch of the proposed
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14 of perforations, the Strawn at 8,064 to 70; the upper Mor-
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Q Now I refer you to Applicant's Five-C.

A Five-C is the bottom hole pressure of the lower Morrow. This was taken on February 27th, showing a tubing pressure of 2235, bottom hole pressure at center of perforations, of 2826.

Q Does this well produce any liquids, Mr. Mahfood?

A Yes. This well does produce quite a bit of liquids, as shown in Exhibit Number Three in black. It produces approximately 8000 a day oil, condensate.

Q Mr. Mahfood, were Applicant's Exhibits Number One through Five prepared by you or under your supervision?

A Yes, sir, they were.

MR. CARSON: I'd like to move admission of these exhibits, Mr. Examiner.

MR. STAMETS: These exhibits will be admitted.

Q Mr. Mahfood, if this application is granted, how do you propose to allocate the production from these various formations?

1 A. That's going to be very difficult because
2 it appears that the upper Morrow is already depleted. I
3 don't believe I could allow it more than one percent for
4 future recovery.

5 Q Mr. Mahfood, in your professional opinion
6 is this -- the granting of this application be in accordance
7 with sound engineering practice, would it prevent waste, and
8 otherwise protect correlative rights?

9 A. Yes, I believe it would.

10 MR. CARSON: I have no further questions of
11 this witness, Mr. Examiner.

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13 CROSS EXAMINATION

14 BY MR. STAMETS:

15 Q Mr. Mahfood, looking at Exhibit Number Three
16 it appears as though the gas production declined after you
17 separated the lower Morrow from the upper Morrow.

18 A. Yes, sir, I can't explain that unless there
19 was some damage done by reworking the well.

20 Q Well, is it possible that the lower Morrow
21 actually was contributing some production and that's what's
22 been lost?

23 A. You said lower Morrow, you mean --

24 Q I mean the upper Morrow, yes.

25 A. The information we gathered from our test

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1 denies that, so at this point I don't know how to answer
2 that question.

3 Q Mr. Mahfood, is there any engineering reason
4 why the upper Morrow and the lower Morrow should be completed
5 separately in this well?

6 A Engineeringwise they could be -- they could
7 be completed together like they have been for years. The
8 problem is we need some determination from FERC or from
9 this department whether the two zones are new gas or if it's
10 permissible to produce new gas with old gas.

11 MR. STAMETS: Okay, let's go off the record
12 a second.

13 (There followed a discussion
14 off the record.)

15 Q (Mr. Stamets continuing.) Does the Strawn
16 zone make any liquids?

17 A I doubt it very much. We produced -- like
18 I said, it potentialized for 350 Mcf a day and normally if
19 it was going to make liquids, it would probably take several
20 days before it showed anything. In the time we tested it,
21 it showed no liquids.

22 MR. STAMETS: Any other questions of the
23 witness? He may be excused.

24 Anything further in this case? The case
25 will be taken under advisement.

(Hearing concluded.)

REPORTER'S CERTIFICATE

I, SALLY WALTON BOYD, a Court Reporter, DO HEREBY CERTIFY that the foregoing and attached Transcript of Hearing before the Oil Conservation Division was reported by me; that said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability, knowledge, and skill, from my notes taken at the time of the hearing.

Sally W. Boyd

Sally W. Boyd, C.S.R.

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I do hereby certify that the foregoing is
a complete record of the proceedings in
the Examiner hearing of Case No. 6511
heard by me on 3-28 1977
Richard L. Hunt
Oil Conservation Division

STATE OF NEW MEXICO
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I N D E X

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12 a second.

13 (There followed a discussion
14 off the record.)

15 Q (Mr. Stamets continuing.) Does the Strawn
16 zone make any liquids?

17 A I doubt it very much. We produced -- like
18 I said, it potentialed for 350 Mcf a day and normally if
19 it was going to make liquids, it would probably take several
20 days before it showed anything. In the time we tested it,
21 it showed no liquids.

22 MR. STAMETS: Any other questions of the
23 witness? He may be excused.

24 Anything further in this case? The case
25 will be taken under advisement.

(Hearing concluded.)

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (888) 471-2462
Santa Fe, New Mexico 87501

REPORTER'S CERTIFICATE

I, SALLY WALTON BOYD, a Court Reporter, DO HEREBY CERTIFY that the foregoing and attached Transcript of Hearing before the Oil Conservation Division was reported by me; that said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability, knowledge, and skill, from my notes taken at the time of the hearing.

Sally W. Boyd, C.S.R.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. _____, heard by me on _____ 19____.

_____, Examiner
Oil Conservation Division

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3030 Plaza Blanca (505) 471-2462
Santa Fe, New Mexico 87501

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 6511
Order No. R-5983

APPLICATION OF YATES PETROLEUM
CORPORATION FOR A DUAL COMPLETION,
AND DOWNHOLE COMMINGLING, EDDY
COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 o'clock a.m. on March 28, 1979, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 9th day of April, 1979, the Division Director, 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 Division has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Yates Petroleum Corporation, seeks authority to complete its Tom Brown "GO" Com Well No. 1, located in Unit C of Section 22, Township 17 South, Range 26 East, NMPM, Eddy County, New Mexico, as a dual completion (conventional) to produce gas from the Lower Morrow formation through tubing and to commingle and produce the Strawn and Upper Morrow zones in the annulus of said well.

(3) That the evidence presented established no sound engineering or geological reasons for dually completing and separately producing the Upper and Lower zones of the Morrow formation.

(4) That the evidence presented indicated that the proposed method of production may result in lower ultimate recovery of gas from the Morrow formation.

-2-

Case No. 6511
Order No. R-5983

(5) That to prevent waste the subject application should be denied.

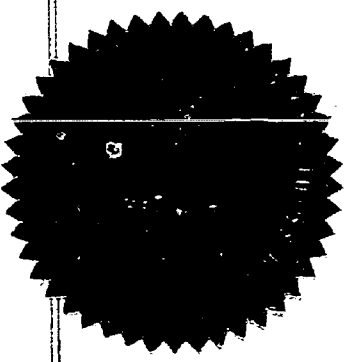
IT IS THEREFORE ORDERED:

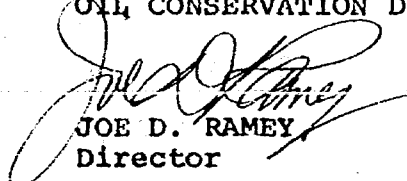
(1) That the application of Yates Petroleum Corporation, to complete its Tom Brown "GO" Com Well No. 1, located in Unit C of Section 22, Township 17 South, Range 26 East, NMPM, Kennedy Farms Field, Eddy County, New Mexico, as a dual completion (conventional) to produce gas from the Lower Morrow formation through tubing and to commingle and produce the Strawn and Upper Morrow zones in the annulus of said well is hereby denied.

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

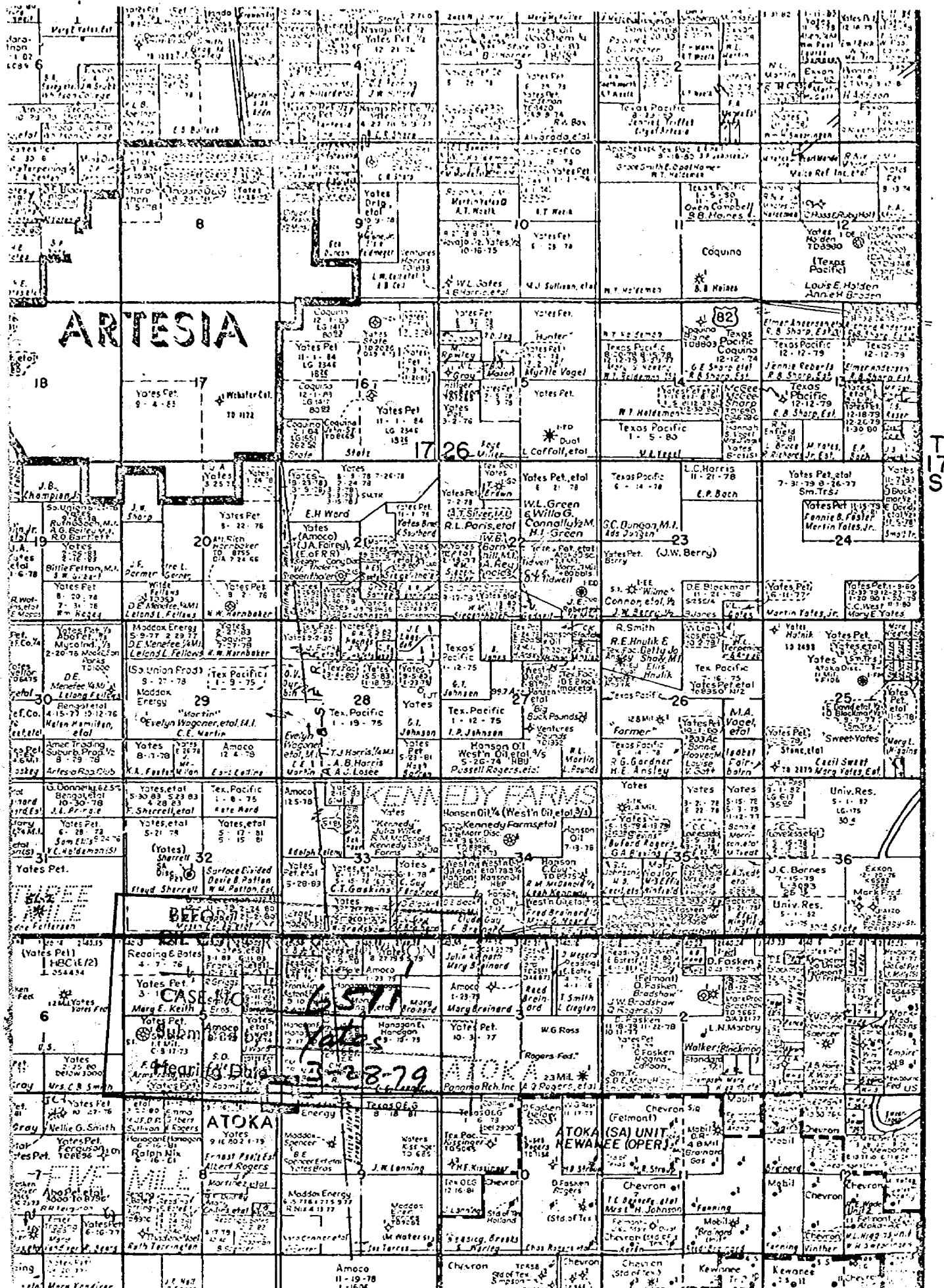
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION




JOE D. RAMEY
Director

dr/



Diagrammatic Sketch of Proposed Dual Completion, and Downhole Commingling

Elevation: 3339 GR = 3356 KB
 Spudded: 12-10-76
 Init Compl: 3-9-77 (Morrow)
 Temp Compl: 12-27-77 (Straun)
 Dual Compl:

Top of San Andres - 975

Base of Artesian Water - 1300

Top of L. Canyon @ 7424 KB

Top of Straun @ 7861 KB

Straun Completion

IPF - 230" m. 1/4 Ck = 350 mcfpd
 1-13-78 SIBHP = 2942

Top of Atoka @ 8226 KB

Top of Morrow @ 8386 KB

Upper Morrow Completion

IPF: 1.5 mcfpd
 2-15-79 SIBHP = 1980 Est. 50-100 mcfpd

Lower Morrow Completion

IPF: 240" on 1/2 Ck = 1.5 mcfpd
 2-27-79 SIBHP = 2826

Top of Chester @ 8641 KB
 OIL CONSERVATION DIVISION

EXHIBIT NO. 2

CASE NO. 6511

Submitted by Yates

Hearing Date 3-28-79

Lower Morrow (New Gas)

Commingled Upper Morrow & Straun

17 1/2" hole to 403' KB

13 1/2" 48" J55 Csg set @ 402' KB, cement'd
 w/ 300 sx CI C, circulated.

12 1/4" hole to 1402' KB

8 7/8" 24" J55 Csg set @ 1402' KB, cement'd
 w/ 600 sx CI C, circulated w/ Syds Ready-mix

Top of cement @ 7450' KB

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Trtd 3000g. 15% MSA

Retrd 8000g. 15% DS-30 + CO₂

2 3/8" Tbg landed in o/p tool @ 8442, blast joints
 opposite Straun perforations, sliding sleeve @ 8411.

Perf 8398-8402/16 0.32" holes

Trtd 500g. 7 1/2% MSA + N₂

Baker Lok set Pkr @ 8442 w/ Standing Valve

Perf 8504-8512/32 0.32" holes

Trtd 1000g. 7 1/2% MSA + N₂

PBTD: 8559' KB. Ran 5 1/2" 15.5 # 17" K55 K40 Csg

TD: 8725' KB

Black-Oil
Red-Gas
1977

TOM BROWN CO
Yates Pet. Corp.

1977

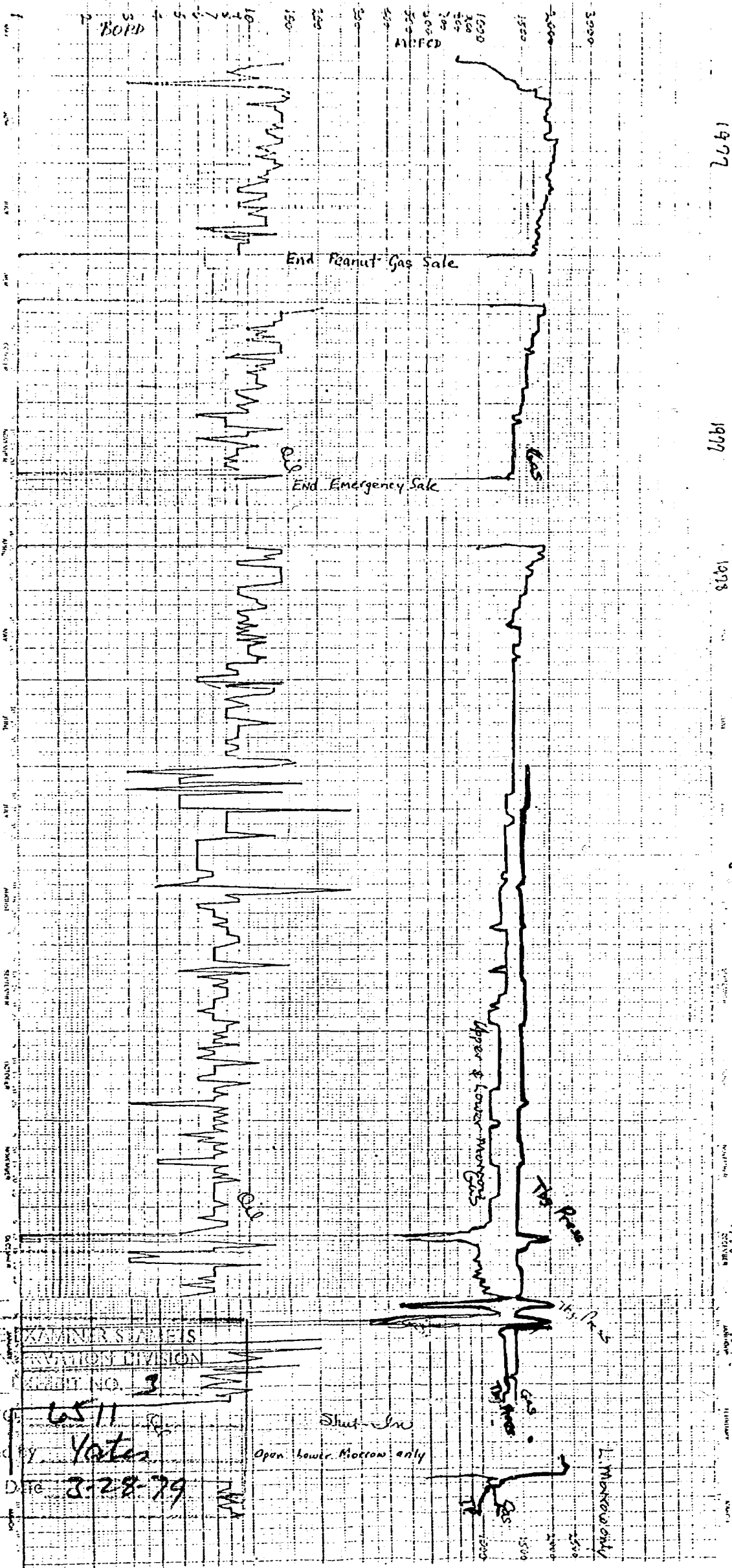
1978

Black-Oil
Red-Gas
Green-Tag Press.

TOM BROWN CO
Yates Pet. Corp.

1978

1979



BEFORE EXAMINER STARTS
OIL CONSERVATION DIVISION

EXHIBIT NO. 3

CASE NO. 6511

Submitted by Yates

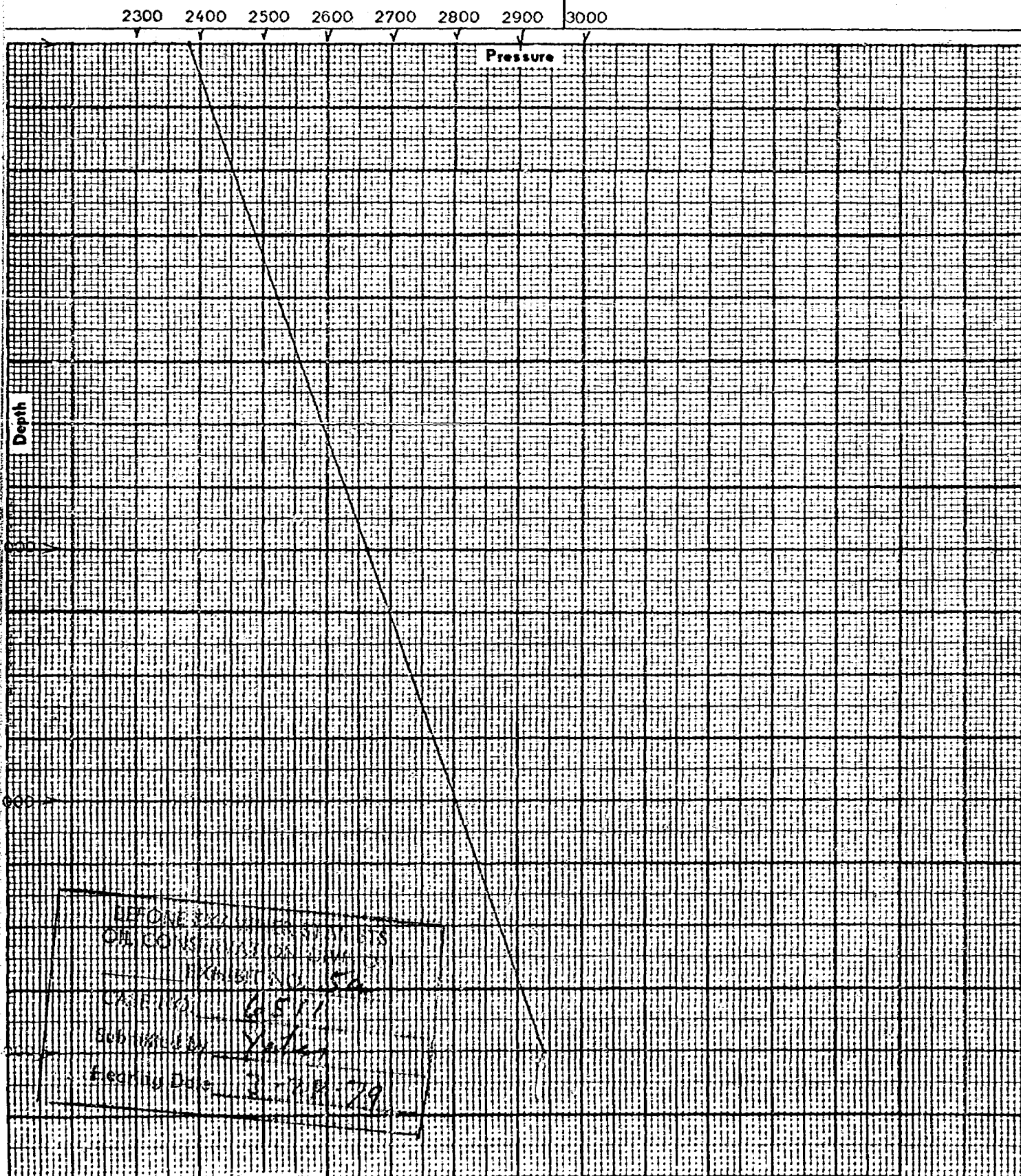
Hearing Date 3-28-79

Bennett Wire Line Service
305 McArthur Ave. Ph. (505) 746-3281
Artesia, New Mexico - 88210

BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR YATES PET. CORP.
LEASE Tom Brown Com.
WELL NO. 1
FIELD _____
DATE 1/13/78 TIME _____
STATUS Shut-in TEST DEPTH 8,000 Ft.
TIME S.I. _____ LAST TEST DATE _____
CAS. PRES. _____ BHP LAST TEST _____
TUB. PRES. 2382 Lbs. BHP CHANGE _____
ELEV. _____ FLUID TOP None
DATUM _____ WATER TOP "
TEMP 143° RUN BY Bennett
CLOCK NO. _____ GAUGE NO. _____
ELEMENT NO. _____

DEPTH	PRESSURE	GRADIENT Lbs./100 Ft.
0 Ft.	2382 Lbs.	
4000 "	2662 "	7.0
6000 "	2802 "	7.0
8000 "	2942 "	7.0
CP 8067	2947	





BE. NETT WIRE LINE SE .VICE

P. O. BOX 787

ARTESIA, NEW MEXICO 88210

Phone 746-3281

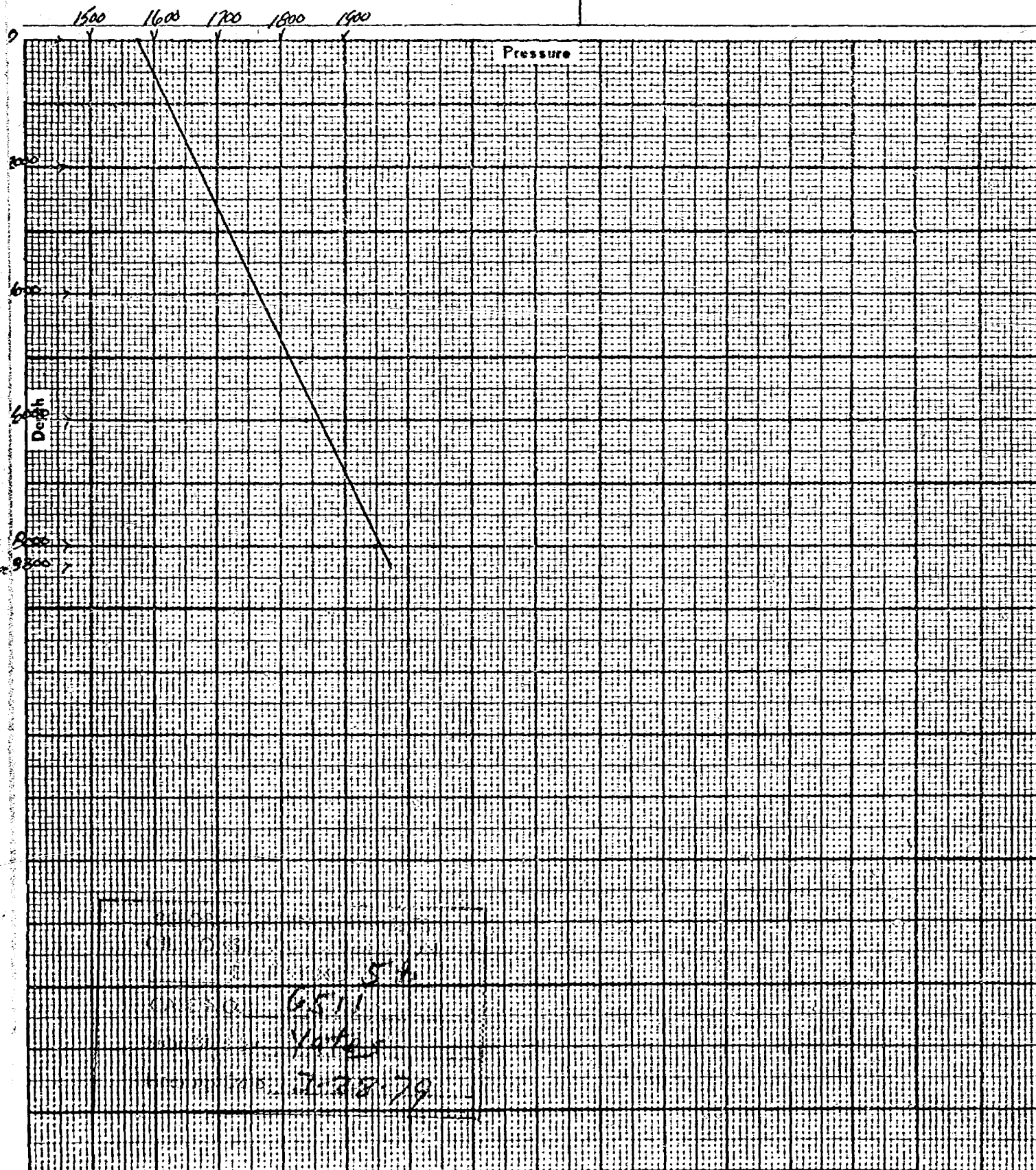


BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR Yates Petroleum Corp.
LEASE Tom Brown "GO" Comm.
WELL NO. 1
FIELD _____
DATE 2/15/79 TIME 9:00 A.M.
STATUS Shut-in TEST DEPTH 8300 Ft.
TIME S.I. _____ LAST TEST DATE _____
CAS. PRES. _____ BHP LAST TEST _____
TUB. PRES. 1576 BHP CHANGE _____
ELEV. _____ FLUID TOP None
DATUM _____ WATER TOP _____
TEMP 142° RUN BY Billy Joe
CLOCK NO. _____ GAUGE NO. _____
ELEMENT NO. 43798

DEPTH	PRESSURE	GRADIENT
		Lbs. /100 Ft.
0 Ft.	1576 lbs.	
2000 "	1644 "	3.4
4000 "	1744 "	5.0
6000 "	1840 "	4.8
8000 "	1947 "	5.3
8300 "	1972 "	8.3

CP 8416 1980





BE. NETT WIRE LINE SE. VICE

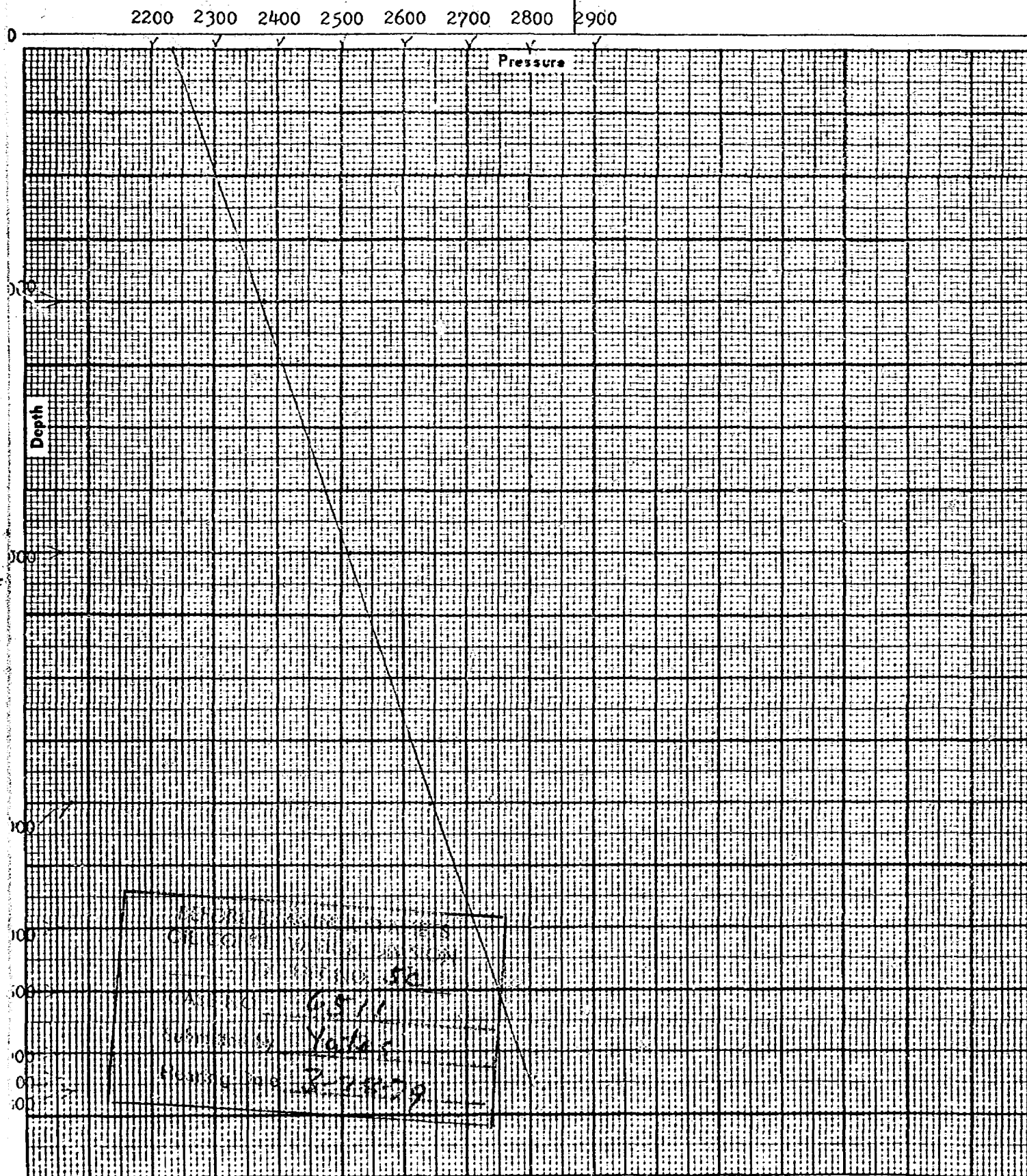
P. O. BOX 787
ARTESIA, NEW MEXICO 88210
Phone 746-3281



BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR YATES PET. CORP.
LEASE Tom Brown
WELL NO. I
FIELD _____
DATE 2/27/79 TIME 3:00 PM.
STATUS Shut-in TEST DEPTH 8300 Ft.
TIME S.I. _____ LAST TEST DATE _____
CAS. PRES. _____ BHP LAST TEST _____
TUB. PRES. 2235 Lbs. BHP CHANGE _____
ELEV. _____ FLUID TOP None
DATUM _____ WATER TOP _____
TEMP _____ RUN BY _____
CLOCK NO. _____ GAUGE NO. _____
ELEMENT NO. _____

DEPTH	PRESSURE	GRADIENT
0 Ft.	2235 Lbs.	
2000 "	2365 "	6.5
4000 "	2507 "	7.1
6000 "	2646 "	7.0
7000 "	2719 "	7.3
7500 "	2753 "	8.8
8000 "	2790 "	7.4
8200 "	2804 "	7.0
8300 "	2811 "	7.0
CP 8503	2826	



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17
S

[illegible]

YPC - Tom Brown GO Com No. 1, C-22-17s-26E, Kennedy Farms, Eddy Co, N.Mex.
Diagrammatic Sketch of Proposed Dual Completion, and Downhole Commingling

Elevation: 3339 GR = 3356 KB

Spudded: 12-10-76

Init Compl: 3-9-77 (Morrow)

Temp Compl: 12-27-77 (Straun)

Dual Compl:

Top of San Andres - 975'

Base of Artesian Water - 1300'

Top of L. Canyon @ 7434 KB

Top of Straun @ 7861 KB

Straun Completion

IFP - 230' on 1/4 Ck = 350 mcfpd

1-13-78 SIBHP = 2947

Top of Atoka @ 8226 KB

Top of Morrow @ 8386 KB

Upper Morrow Completion

IPF: 1.15 mcfpd

2-15-79 SIBHP = 1980, Est. 50-100 mcfpd

Lower Morrow Completion

IPF: 240' on 1/2 Ck = 1.5 mcfpd

2-27-79 SIBHP = 2826

BEFORE EXAMINER STAMETS
TOP OF CHESTER @ 8641 KB

EXHIBIT NO. 2

CASE NO. 6511

Submitted by Yates

Hearing Date 3-28-79

Lower Morrow (New Gas)

Commingled Upper Morrow & Straun

17 1/2" hole to 403' KB

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12 1/4" hole to 1402' KB

8 5/8" 24" J55 Csg set @ 1402' KB, cement'd
w/ 600 sr CI "C", circulated w/ 5 yds Ready-mix

Top of cement @ 7450' KB

Perf 8064-8070/24 0.34"

Trtd 3000g. 15% MSA

Retrd 8000g. 15% DS-30 + CO₂

2 3/8" Tbg landed in o/o tool @ 8042, blast joints
opposite Straun perforations, sliding sleeve @ 8411.

Perf 8398-8402/16 0.32" holes

Trtd 500g. 7 1/2% MSA + N₂

Baker Lok set Fkr @ 8442' w/ Standing Valve

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Trtd 1000g. 7 1/2% MSA + N₂

PBTD: 8559' KB. Ran 5 1/2" 15.5 #17" K55 LHC Csg.

TD: 8725' KB.

Black-Oil
Red-Gas
1977

TOM BROWN CO.
Yates Rec. Corp.

1977

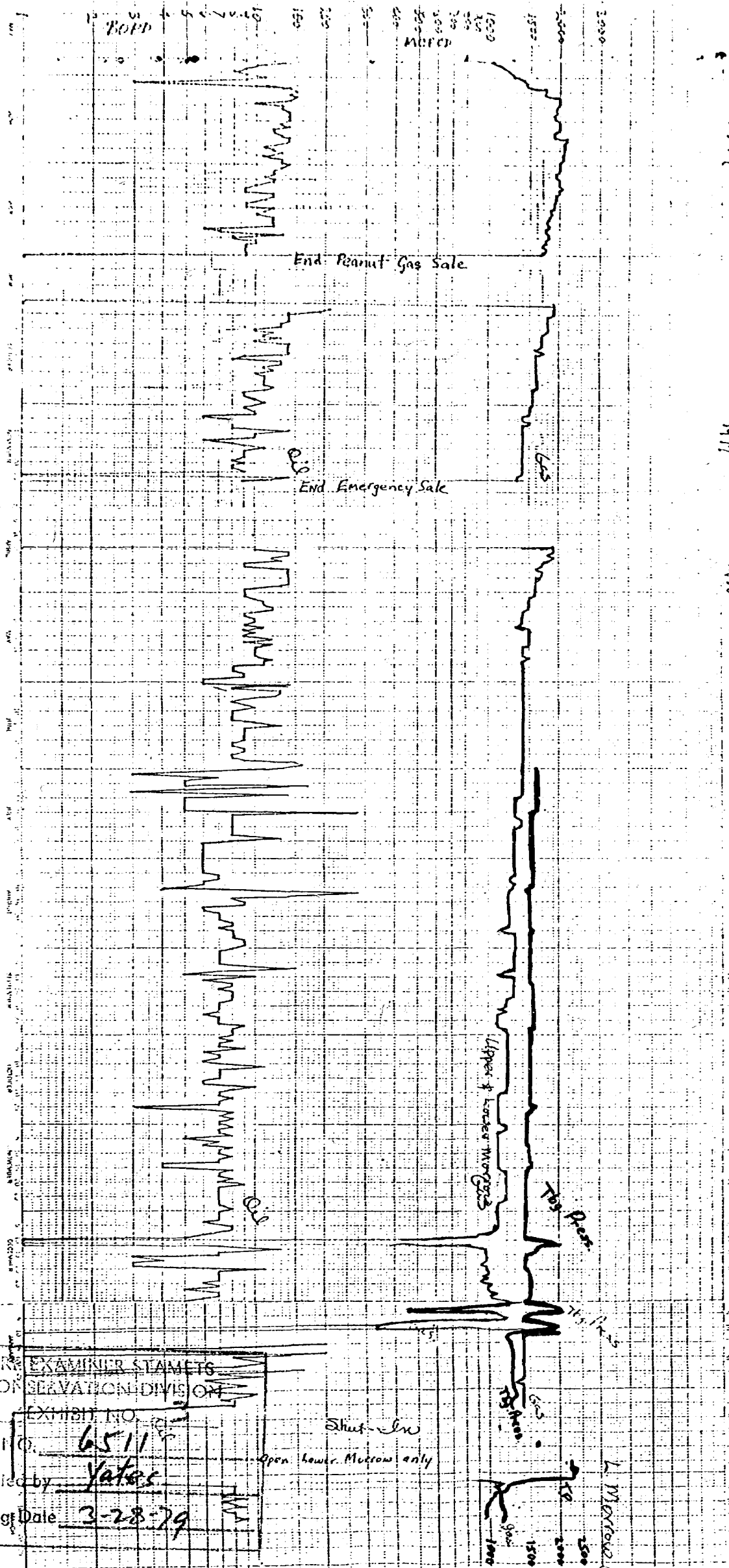
1978

Black-Oil
Red-Gas
Green-Ty Press.

TOM BROWN CO.
Yates Rec. Corp.

1978

1979



BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION

EXHIBIT NO.

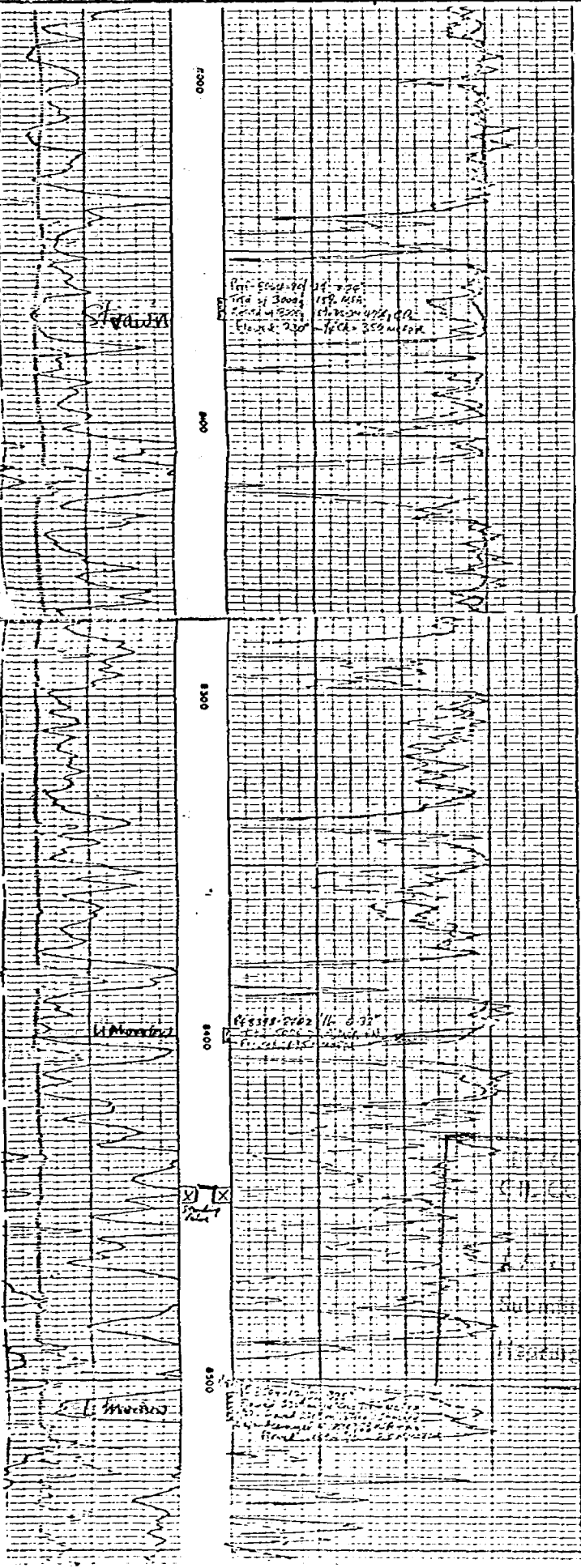
CASE NO. 6511

Submitted by Yates

Hearing Date 3-28-79

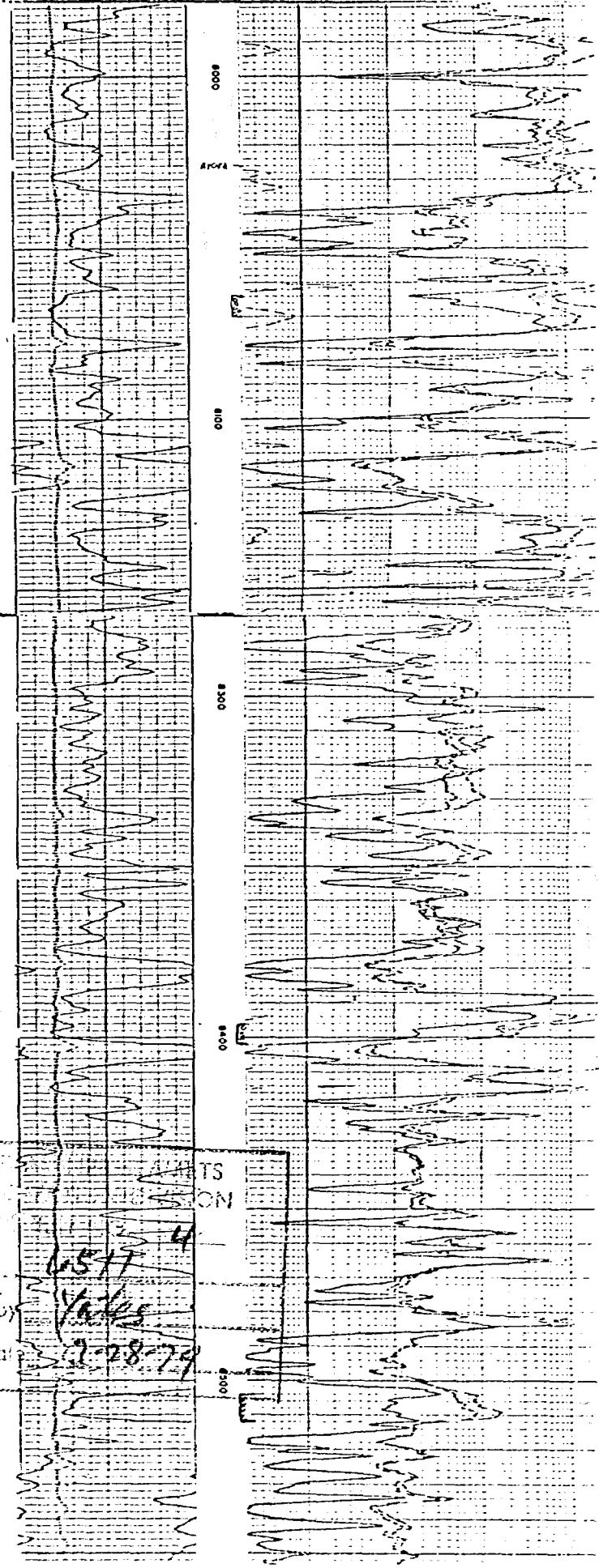
FIELD PRINT

COMPANY		WELL		FIELD		COUNTY		STATE		DATE	
Yates Petroleum Corporation		Tom Brown Co. 41		Tom Brown Co. 41		Tom Brown Co. 41		Tom Brown Co. 41		Tom Brown Co. 41	
WELL		FIELD		COUNTY		STATE		DATE		TIME	
Tom Brown Co. 41		Tom Brown Co. 41		Tom Brown Co. 41		Tom Brown Co. 41		Tom Brown Co. 41		Tom Brown Co. 41	
WELL		FIELD		COUNTY		STATE		DATE		TIME	
Tom Brown Co. 41		Tom Brown Co. 41		Tom Brown Co. 41		Tom Brown Co. 41		Tom Brown Co. 41		Tom Brown Co. 41	



FIELD PRINT

COMPANY		WELL		FIELD		COUNTY		STATE		DATE	
Yates Petroleum Corporation		Tom Brown Co. 41		Tom Brown Co. 41		Tom Brown Co. 41		Tom Brown Co. 41		Tom Brown Co. 41	
WELL		FIELD		COUNTY		STATE		DATE		TIME	
Tom Brown Co. 41		Tom Brown Co. 41		Tom Brown Co. 41		Tom Brown Co. 41		Tom Brown Co. 41		Tom Brown Co. 41	
WELL		FIELD		COUNTY		STATE		DATE		TIME	
Tom Brown Co. 41		Tom Brown Co. 41		Tom Brown Co. 41		Tom Brown Co. 41		Tom Brown Co. 41		Tom Brown Co. 41	



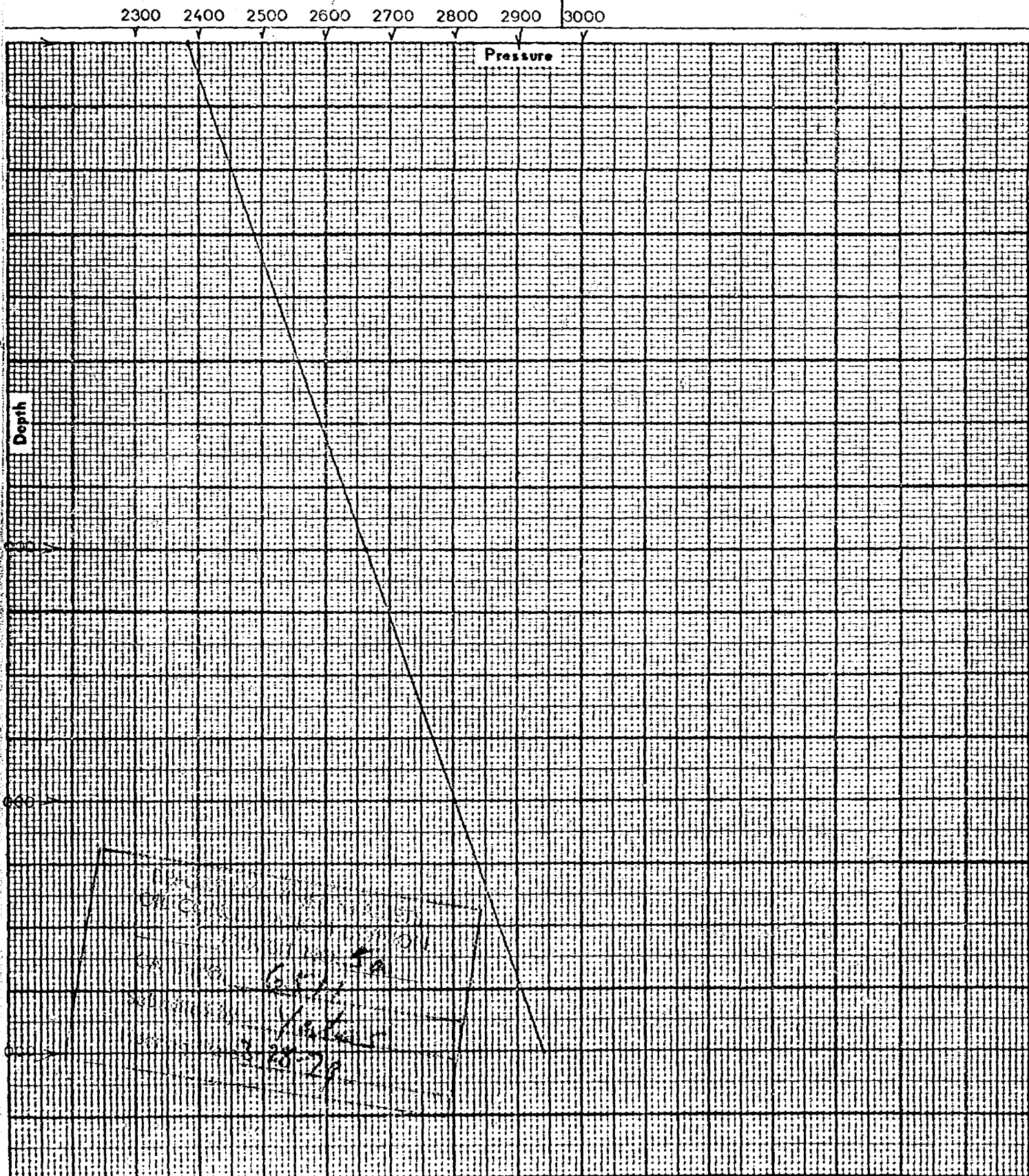
WELL NO. 41
DATE 2-28-79
BY YATES

Bennett Wire Line Service
305 McArthur Ave. Ph. (505) 746 - 3281
Artesia, New Mexico - 88210

BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR YATES PET. CORP.
LEASE Tom Brown Com.
WELL NO. 1
FIELD _____
DATE 1/13/78 TIME _____
STATUS Shut-in TEST DEPTH 8,000 Ft.
TIME S.I. _____ LAST TEST DATE _____
CAS. PRES. _____ BHP LAST TEST _____
TUB. PRES. 2382 Lbs. BHP CHANGE _____
ELEV. _____ FLUID TOP None
DATUM _____ WATER TOP "
TEMP 143° RUN BY Bennett
CLOCK NO. _____ GAUGE NO. _____
ELEMENT NO. _____

DEPTH	PRESSURE	GRADIENT Lbs./100 Ft.
0 Ft.	2382 Lbs.	
4000 "	2662 "	7.0
6000 "	2802 "	7.0
8000 "	2942 "	7.0
SP 8067	2947	





BE. NETT WIRE LINE SERVICE

P. O. BOX 787

ARTESIA, NEW MEXICO 88210

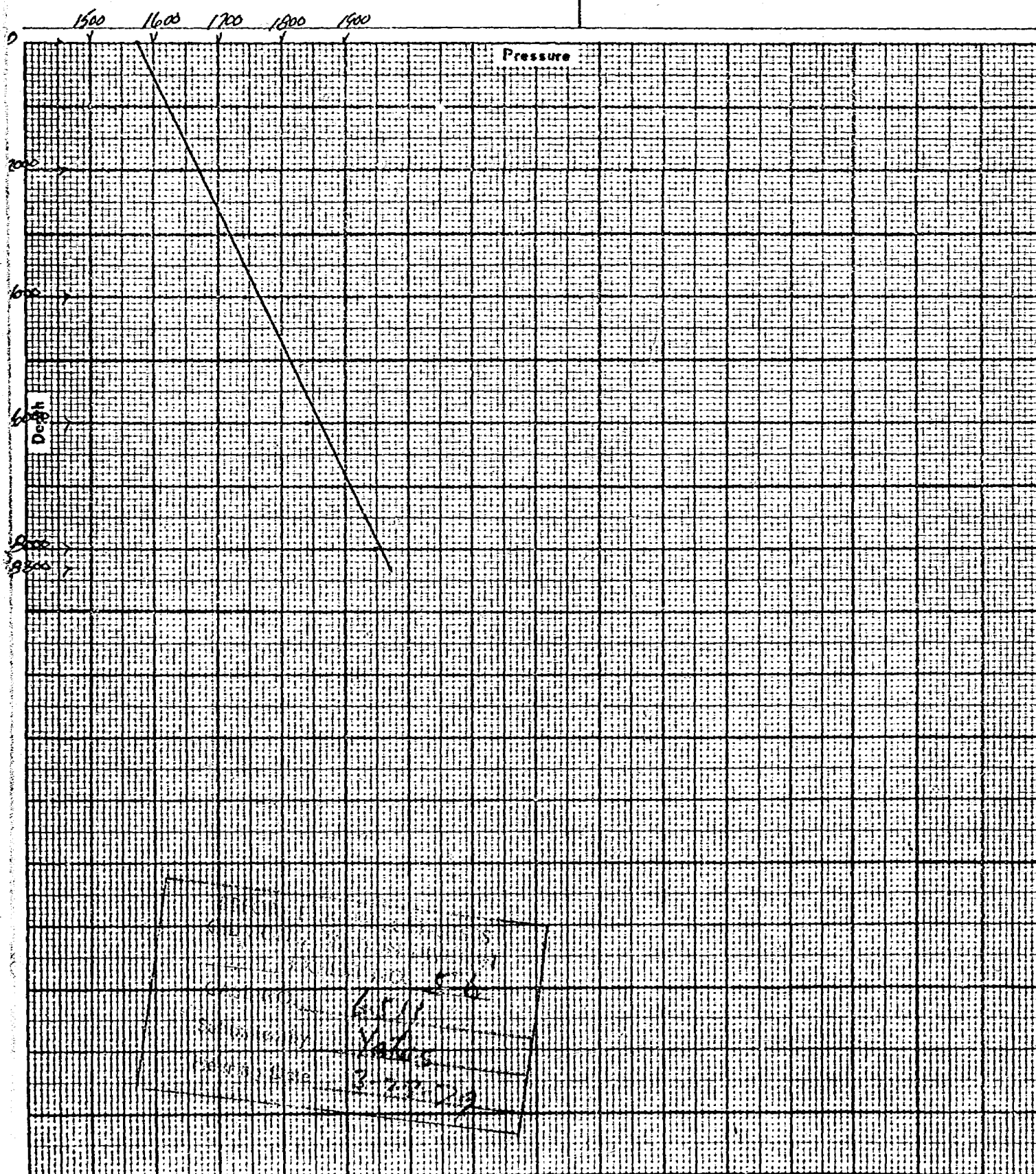
Phone 746-3281



BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR Yates Petroleum Corp.
LEASE Tom Brown "GO" Comm.
WELL NO. 1
FIELD _____
DATE 2/15/79 TIME 9:00 A.M.
STATUS Shut-in TEST DEPTH 8300 Ft.
TIME S.I. _____ LAST TEST DATE _____
CAS. PRES. _____ BHP LAST TEST _____
TUB. PRES. 1576 BHP CHANGE _____
ELEV. _____ FLUID TOP None
DATUM _____ WATER TOP _____
TEMP 142° RUN BY Billy Joe
CLOCK NO. _____ GAUGE NO. _____
ELEMENT NO. 43798

DEPTH	PRESSURE	GRADIENT
		Lbs. /100 Ft.
0 Ft.	1576 Lbs.	
2000 "	1644 "	3.4
4000 "	1744 "	5.0
6000 "	1840 "	4.8
8000 "	1947 "	5.3
8300 "	1972 "	8.3
CP 8400	1980	





BE. NETT WIRE LINE SERVICE

P. O. BOX 787

ARTESIA, NEW MEXICO 88210

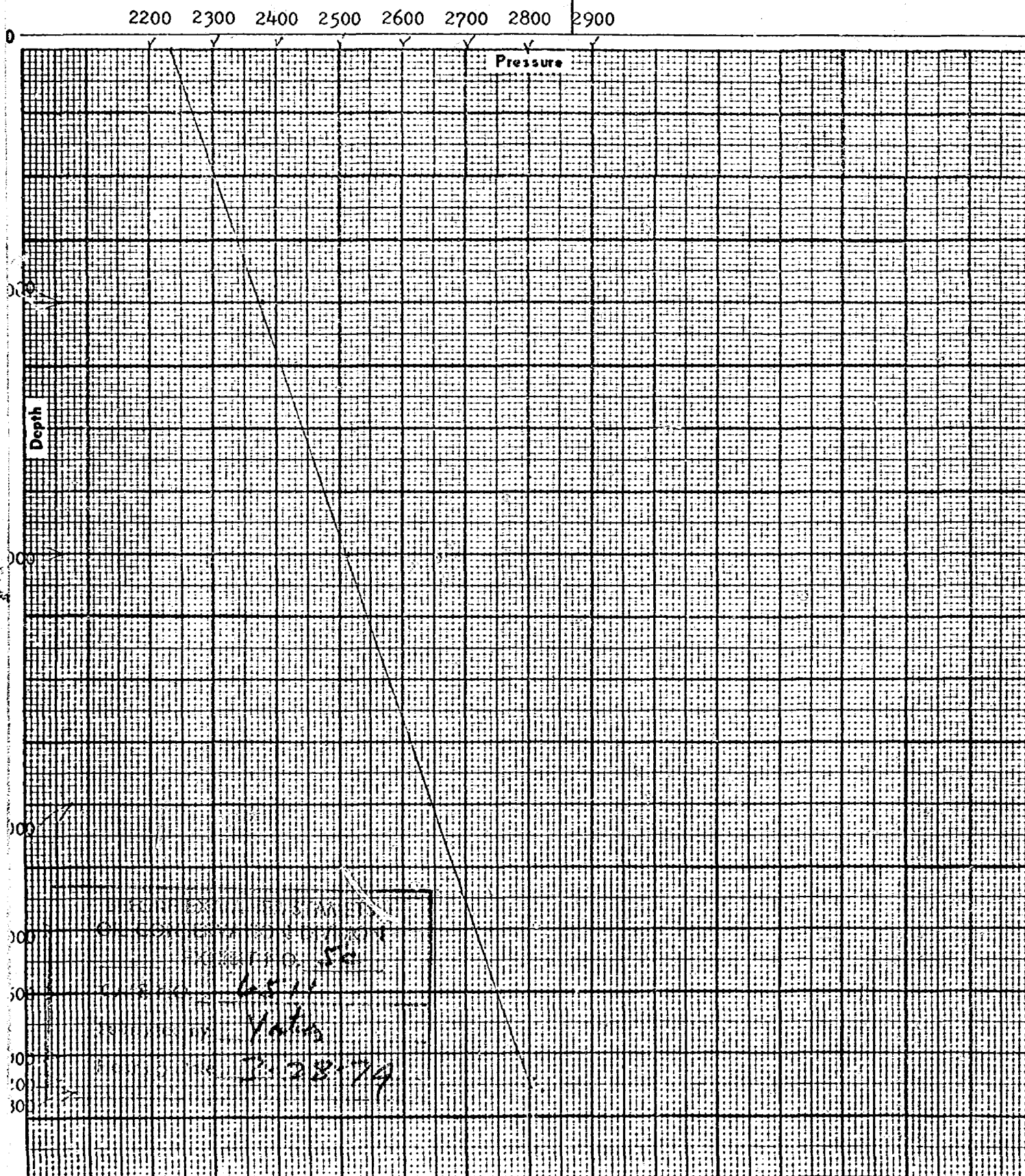
Phone 746-3281



BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR YATES PET. CORP.
LEASE Tom Brown
WELL NO. 1
FIELD _____
DATE 2/27/79 TIME 3:00 PM.
STATUS Shut-in TEST DEPTH 8300 Ft.
TIME S.I. _____ LAST TEST DATE _____
CAS. PRES. _____ BHP LAST TEST _____
TUB. PRES. 2235 Lbs. BHP CHANGE _____
ELEV. _____ FLUID TOP None
DATUM _____ WATER TOP _____
TEMP _____ RUN BY _____
CLOCK NO. _____ GAUGE NO. _____
ELEMENT NO. _____

DEPTH	PRESSURE	GRADIENT
0 Ft.	2235 Lbs.	
2000 "	2365 "	6.5
4000 "	2567 "	7.1
6000 "	2646 "	7.0
7000 "	2719 "	7.3
7500 "	2753 "	8.8
8000 "	2790 "	7.4
8200 "	2804 "	7.0
8300 "	2811 "	7.0
CP 8508	2826	



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

ARTESIA

KENNEDY FARMS

OIL CONVEYANCE

EXHIBIT NO.

ATOKA

Submitted by Yates

Hearing Date 3-28-78

ATOKA (SA) UNIT

KEWANEE (OPER)

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17
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Diagrammatic Sketch of Proposed Dual Completion, and Downhole Commingling

Elevation: 3339 GR = 3356 KB

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Temp Compl: 12-27-77 (Strawn)

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2-27-79 SI BHP = 2826

Top of Chester @ 8441 KB

OIL CONSERVATION DIVISION

EXHIBIT NO. 2

CASE NO. 6511

Submitted by Yates

Hearing Date 3-28-79

Lower Morrow (New Gas)

Commingled Upper Morrow & Strawn

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PBTD: 8559 KB, Ran 5 1/2" 15.5 # 17" KSS LTR Csg

TD: 8725 KB

Black-Oil
Red-Gas
1977

ICM BROWN CO
Yates Pet. Corp.

1977

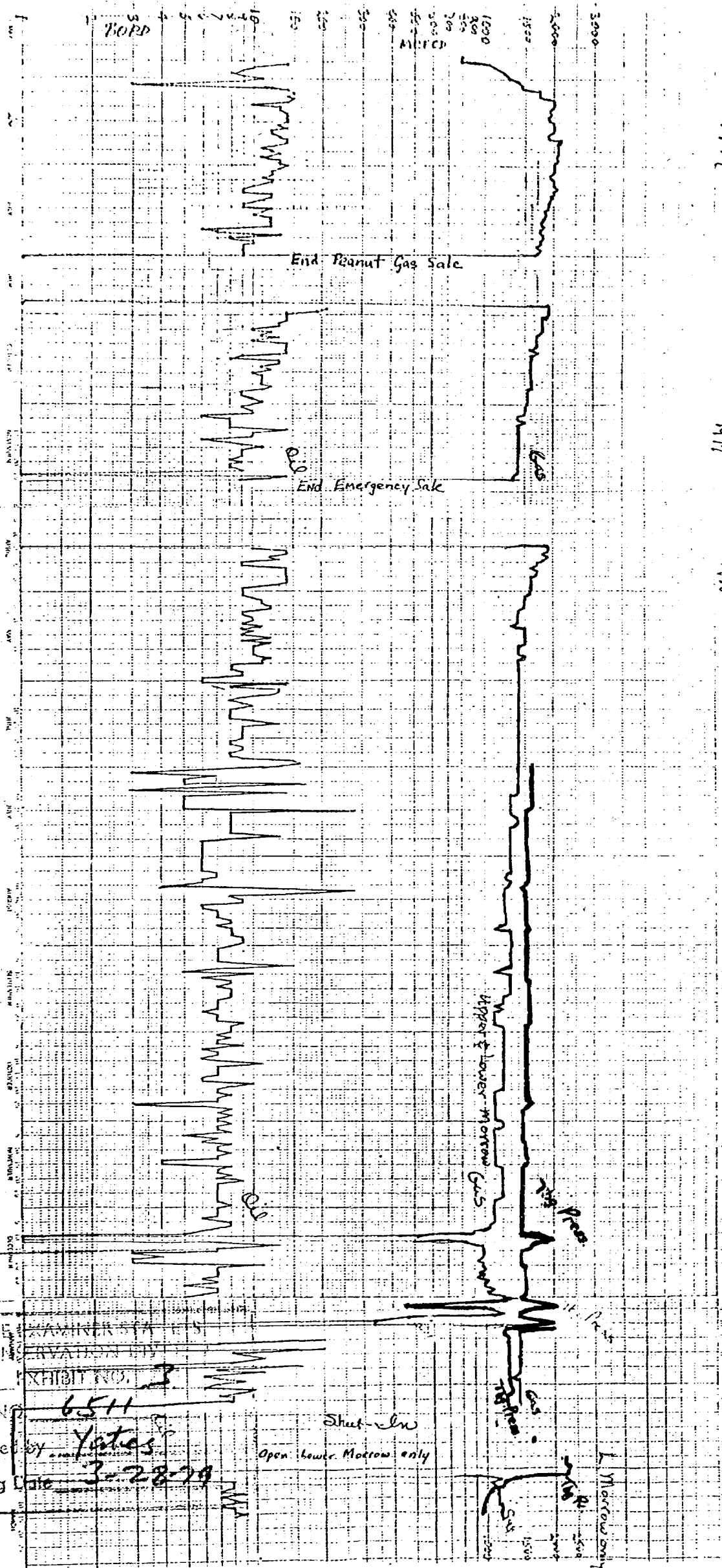
1978

Black-Oil
Red-Gas
Green-Tg Press.

ICM BROWN CO
Yates Pet. Corp.

1978

1979



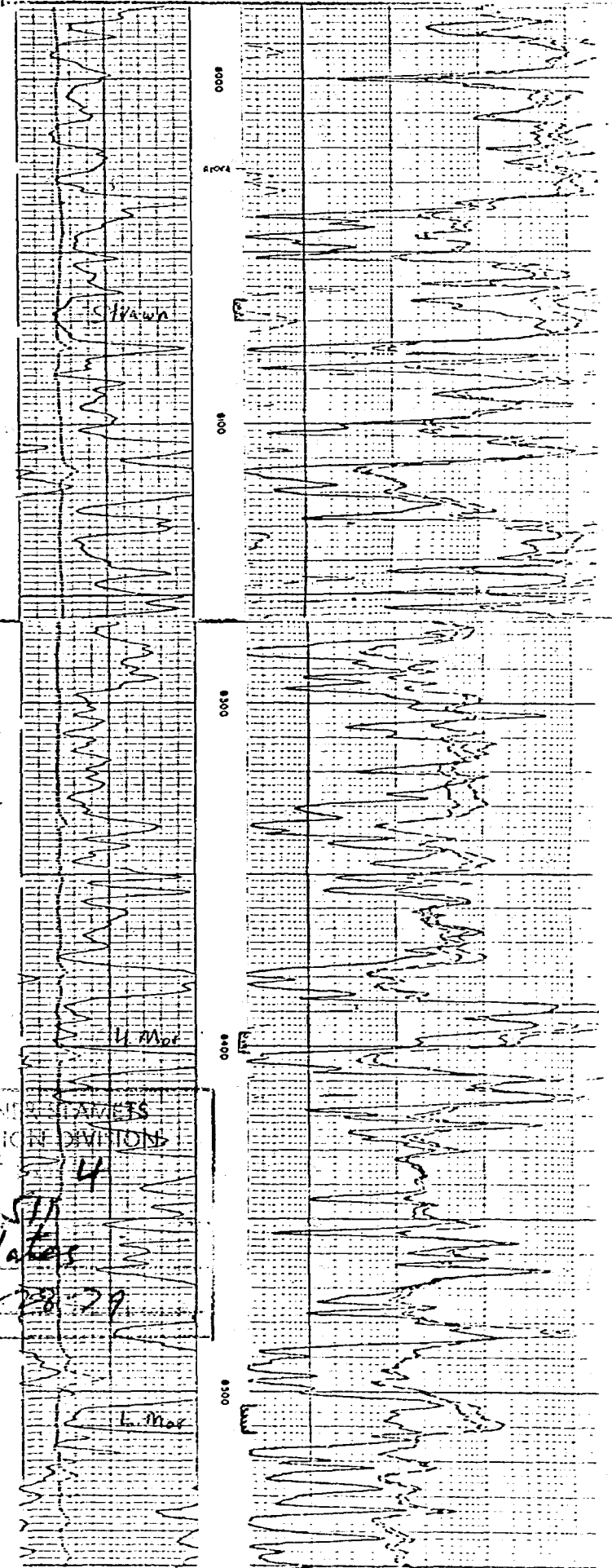
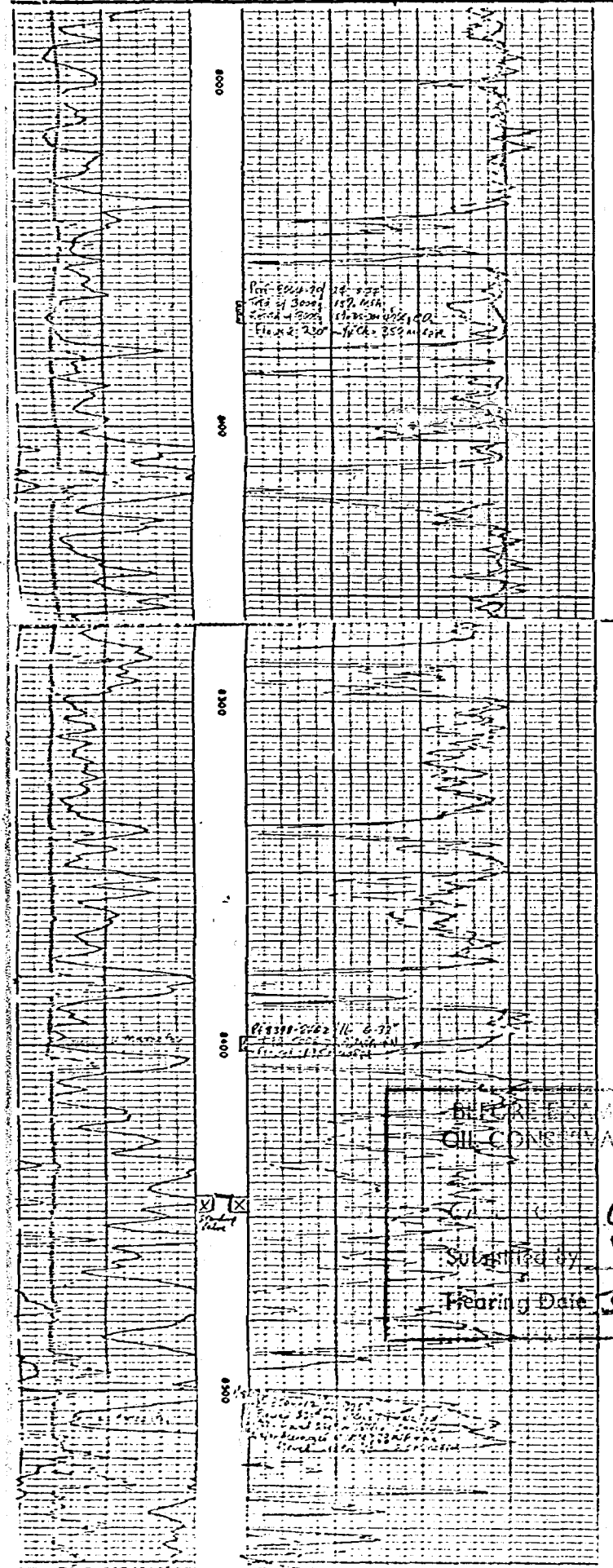
BEFORE EXAMINER STA. 115
OIL CONSERVATION DIV.
EXHIBIT NO. 3
CASE NO. 6511
Submitted by Yates
Hearing Date 3-28-79

COMPANY: Yates Petroleum Corporation
 WELL: 20m Seawall Co. No. 2
 FIELD: SE STATE: TX
 COUNTY: SE STATE: TX
 DATE: 3-28-79
 TIME: 10:00
 BY: Yates

FIELD PRINT

COMPANY: Yates Petroleum Corporation
 WELL: 20m Seawall Co. No. 2
 FIELD: SE STATE: TX
 COUNTY: SE STATE: TX
 DATE: 3-28-79
 TIME: 10:00
 BY: Yates

FIELD PRINT

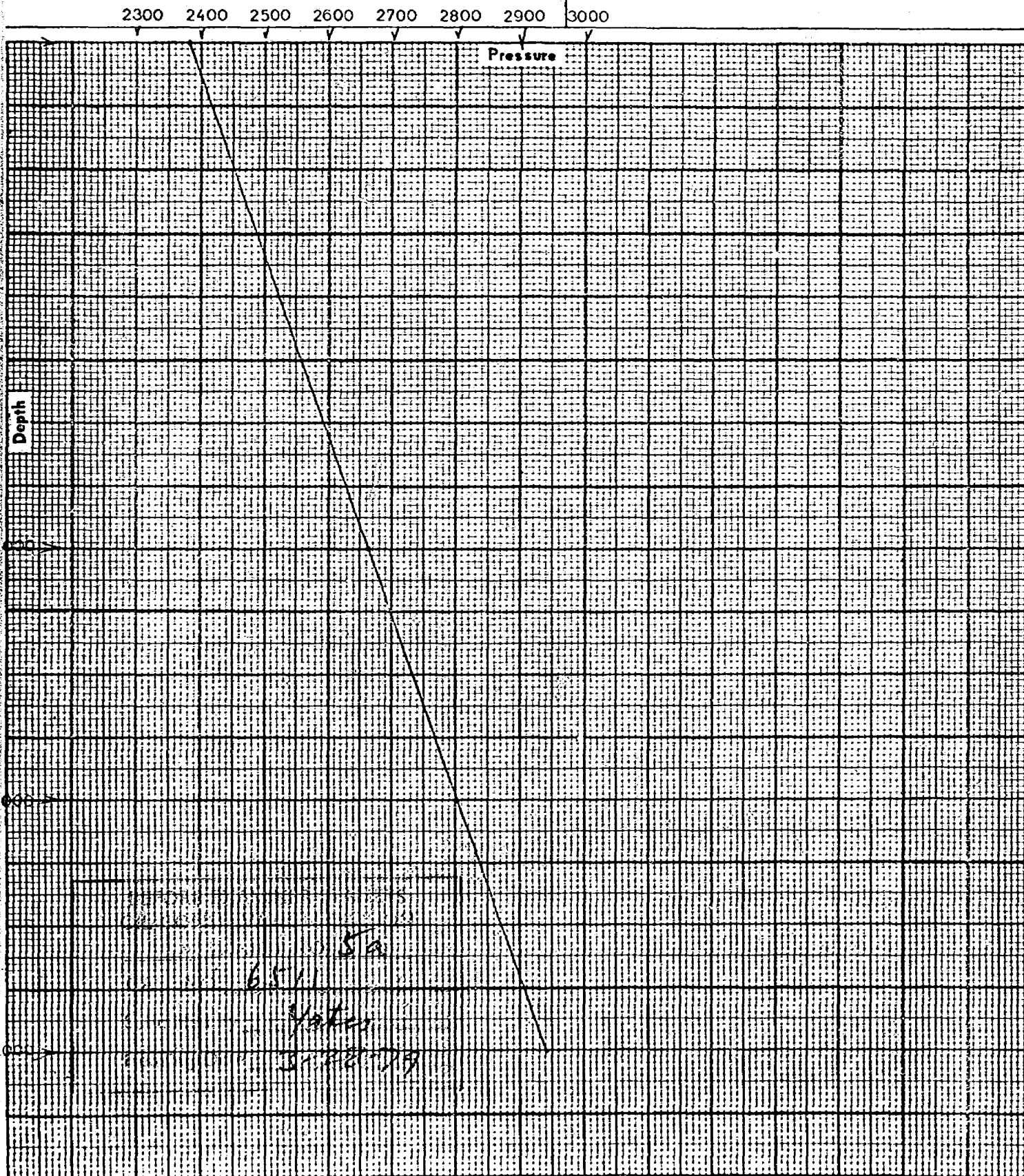


Bennett Wire Line Service
305 McArthur Ave. Ph. (505) 746-3281
Artesia, New Mexico - 88210

BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR YATES PET. CORP.
LEASE Tom Brown Com.
WELL NO. 1
FIELD _____
DATE 1/13/78 TIME _____
STATUS Shut-in TEST DEPTH 8,000 Ft.
TIME S.I. _____ LAST TEST DATE _____
CAS. PRES. _____ BHP LAST TEST _____
TUB. PRES. 2382 Lbs. BHP CHANGE _____
ELEV. _____ FLUID TOP _____ None
DATUM _____ WATER TOP _____ "
TEMP 143° RUN BY Bennett
CLOCK NO. _____ GAUGE NO. _____
ELEMENT NO. _____

DEPTH	PRESSURE	GRADIENT Lbs./100 Ft.
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6000 "	2802 "	7.0
8000 "	2942 "	7.0
SP 8067	2947	





BE. NETT WIRE LINE SERVICE

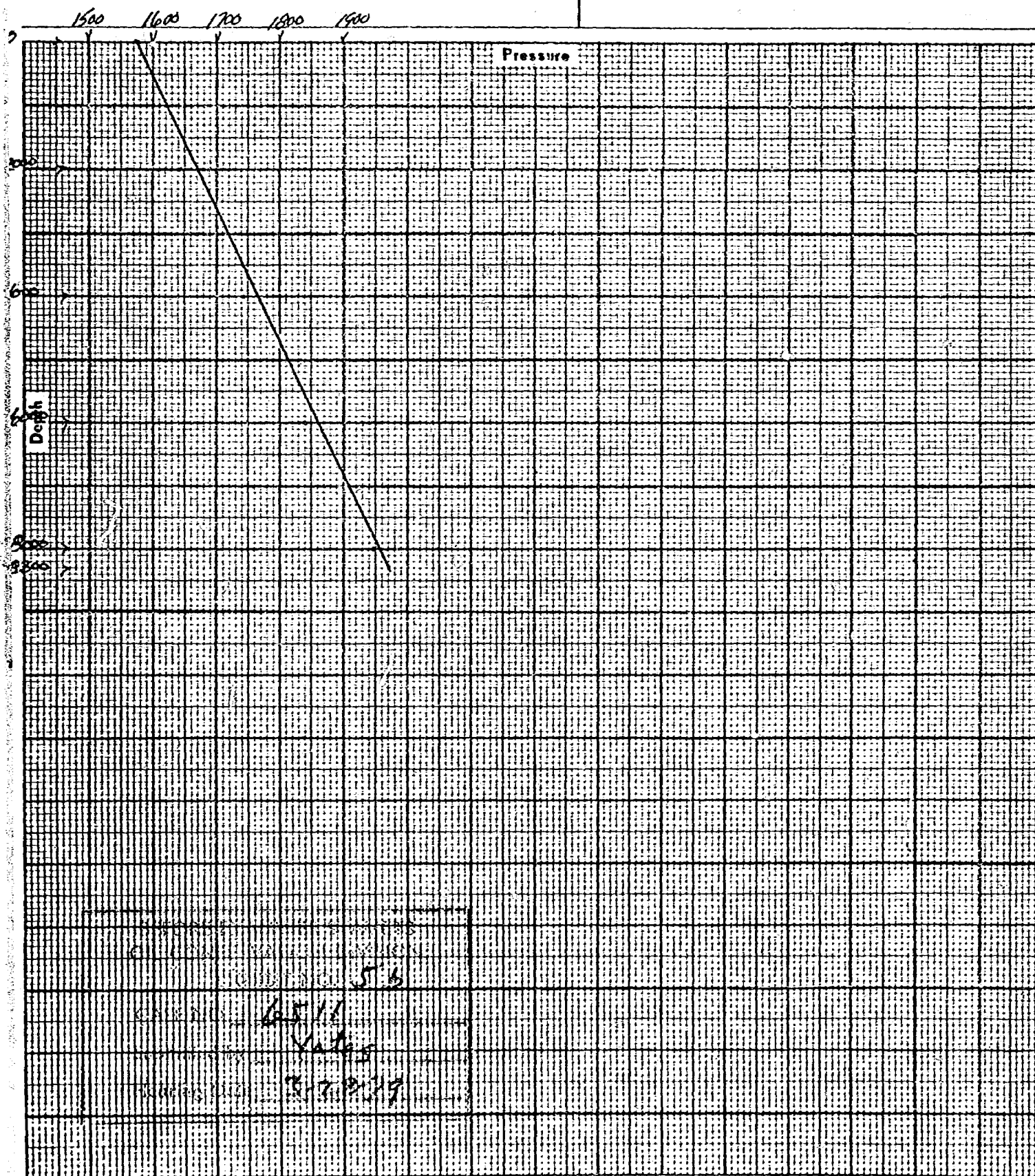
P. O. BOX 787
ARTESIA, NEW MEXICO 88210
Phone 746-3281



BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR Yates Petroleum Corp.
LEASE Tom Brown "GO" Comm.
WELL NO. 1
FIELD _____
DATE 2/15/79 TIME 9:00 A.M.
STATUS Shut-in TEST DEPTH 8300 Ft.
TIME S.I. _____ LAST TEST DATE _____
CAS. PRES. _____ BHP LAST TEST _____
TUB. PRES. 1576 BHP CHANGE _____
ELEV. _____ FLUID TOP None
DATUM _____ WATER TOP _____
TEMP 142° RUN BY Billy Joe
CLOCK NO. _____ GAUGE NO. _____
ELEMENT NO. 43798

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8000 "	1947 "	5.3
8300 "	1972 "	8.3
CR 8416	1980	





BE. NETT WIRE LINE SERVICE

P. O. BOX 787

ARTESIA, NEW MEXICO 88210

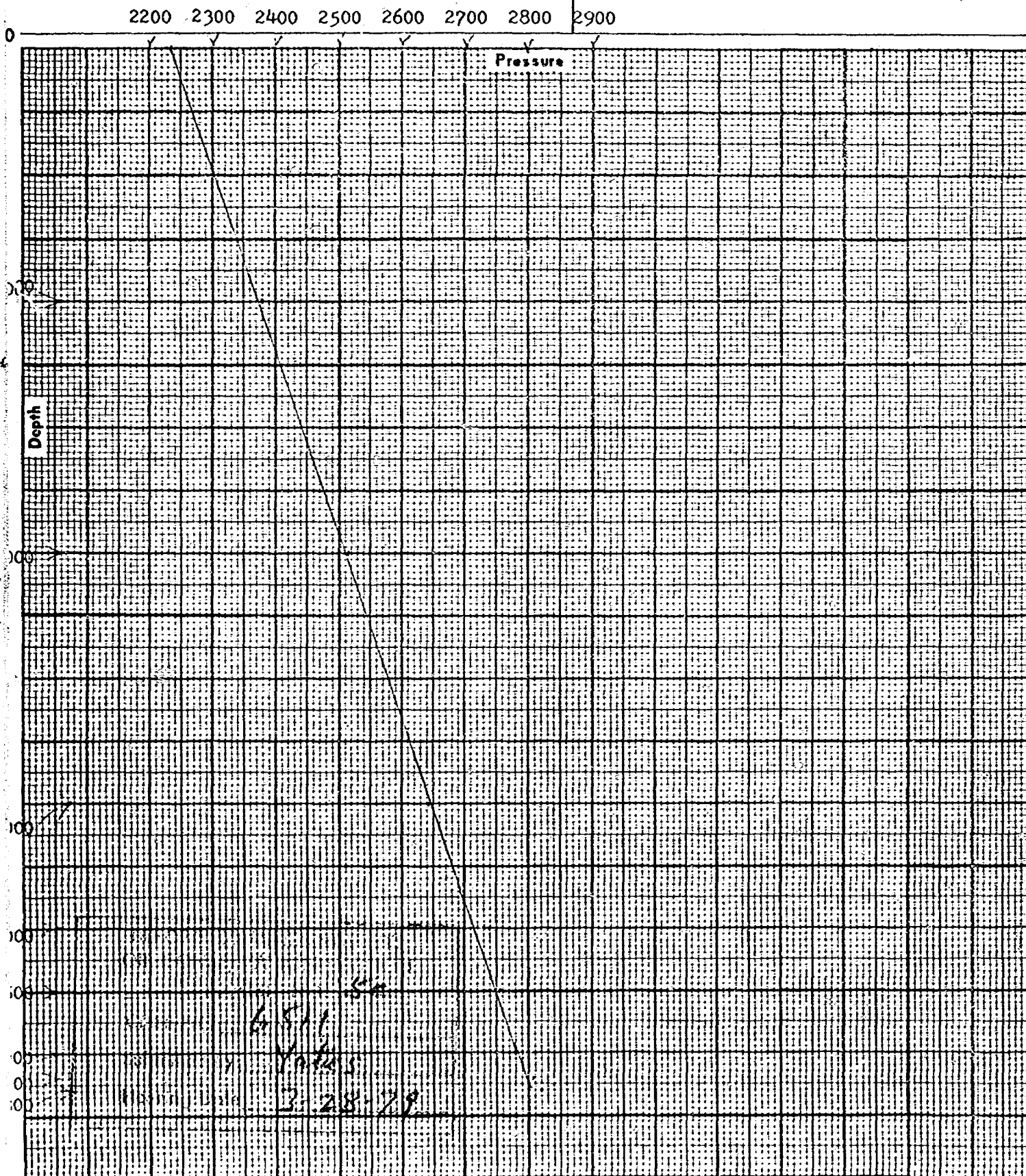
Phone 746-3281



BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR YATES PET. CORP.
LEASE Tom Brown
WELL NO. 1
FIELD _____
DATE 2/27/79 TIME 3:00 PM.
STATUS Shut-in TEST DEPTH 8300 Ft.
TIME S.I. _____ LAST TEST DATE _____
CAS. PRES. _____ BHP LAST TEST _____
TUB. PRES. 2235 Lbs. BHP CHANGE _____
ELEV. _____ FLUID TOP _____ None
DATUM _____ WATER TOP _____
TEMP _____ RUN BY _____
CLOCK NO. _____ GAUGE NO. _____
ELEMENT NO. _____

DEPTH	PRESSURE	GRADIENT
0 Ft.	2235 Lbs.	
2000 "	2365 "	6.5
4000 "	2507 "	7.1
6000 "	2646 "	7.0
7000 "	2719 "	7.3
7500 "	2753 "	8.8
8000 "	2790 "	7.4
8200 "	2804 "	7.0
8300 "	2811 "	7.0
CP 8508	2826	



Dockets Nos. 14-79 and 15-79 are tentatively set for hearing on April 11 and 18, 1979. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - MARCH 28, 1979

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

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

- CASE 6500: Application of Gulf Oil Corporation for approval of infill drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a finding that the Division waived existing well-spacing requirements and found that the drilling of additional wells was necessary to effectively and efficiently drain those portions of the proration units in the Central Drinkard Unit located in Sections 28, 29, 32 and 33, Township 21 South, Range 37 East, Lea County, New Mexico, which could not be so drained by the existing wells.
- CASE 6501: Application of Delta Drilling Company for directional drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to re-enter the Williamson State Unit Well No. 1, the surface location of which is 660 feet from the North and West lines of Section 30, Township 16 South, Range 33 East, Lea County, New Mexico, and directionally drill said well in such a manner as to bottom it in the Morrow formation within 100 feet of a point 1980 feet from the North and West lines of said Section 30, the N/2 of the section to be dedicated to the well.
- CASE 6502: Application of Stevens Oil Company for compulsory pooling, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the San Andres formation underlying the SW/4 SW/4 of Section 30, Township 8 South, Range 29 East, Chaves 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 6503: Application of Sundance Oil Company for salt water disposal, Roosevelt County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the San Andres formation through the perforated interval from 4207 feet to 4228 feet in its Cone Federal Well No. 8 located in Unit P of Section 31, Township 7 South, Range 32 East, Tomahawk-San Andres Pool, Roosevelt County, New Mexico.
- CASE 6504: Application of Phoenix Resources Company for a unit agreement, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for its Buckhorn Canyon Unit Area No. 2, comprising 23,009 acres, more or less, of Federal and State lands in Township 19 South, Ranges 19 and 20 East, Chaves County, New Mexico.
- CASE 6505: Application of Doyle Hartman for vertical pool limit redefinition, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order extending the vertical limits of the Langlie Mattix Pool in Lea County, New Mexico, to include the lowermost 200 feet of the Seven Rivers formation and the concomitant contraction of the vertical limits of the Jalmat Gas Pool underlying the following described lands in Township 23 South, Range 36 East: Section 35: SW/4, S/2 SE/4, and NW/4 SE/4; Section 36: W/2 SW/4; and in Township 24 South, Range 36 East: Section 1: NW/4, S/2 NE/4, and NW/4 NE/4; Section 2: W/2.
- CASE 6506: Application of Bedford, Inc. for approval of infill drilling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks a waiver of existing well-spacing requirements and a finding that the drilling of its Ram Well No. 1-A located in Unit G of Section 8, Township 26 North, Range 12 West, WAW-Fruitland Pictured Cliffs Pool, San Juan County, New Mexico, is necessary to effectively and efficiently drain that portion of the proration unit which cannot be so drained by the existing well.
- CASE 6507: Application of Harvey E. Yates Company for an NGPA determination, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a new onshore reservoir or in the alternative a new onshore production well determination for its Hanlad State Well No. 1 located in Unit K of Section 2, Township 18 South, Range 35 East, Queen formation, Lea County, New Mexico.
- CASE 6508: Application of Harvey E. Yates Company for an unorthodox well location and a non-standard proration unit, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 62.75-acre non-standard gas proration unit comprising Lots 1 and 2 of Section 19, Township 18 South, Range 29 East, Eddy County, New Mexico, to be dedicated to its Depco Federal Well No. 1 to be located 330 feet from the North line and 660 feet from the West line of said Section 19.

CASE 6509: Application of Harvey E. Yates Company for pool creation and special pool rules, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order creating a new gas pool in the Yates formation for its Depeo Federal Well No. 1 located in Unit D of Section 19, Township 18 South, Range 29 East, Eddy County, New Mexico, and for promulgation of special pool rules, including provision for 80-acre gas well spacing.

CASE 6480: (Continued from February 28, 1979, Examiner Hearing)

Application of Harvey E. Yates Company for an NGPA determination, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a new onshore reservoir or in the alternative a new onshore production well determination for its State 22 Well No. 1 located in Unit P of Section 22, Township 18 South, Range 35 East, Queen formation, Lea County, New Mexico.

CASE 6482: (Continued from February 28, 1979, Examiner Hearing)

Application of Harvey E. Yates Company for an NGPA determination, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a new onshore reservoir or in the alternative a new onshore production well determination for its Mobil 27 State Well No. 1 located in Unit A of Section 27, Township 18 South, Range 35 East, Queen formation, Lea County, New Mexico.

CASE 6072: (Continued from March 14, 1979, Examiner Hearing)

In the matter of Case 6072 being reopened pursuant to the provisions of Order No. R-5643 which order created the Travis-Upper Pennsylvanian Pool, Eddy County, New Mexico, with provisions for 80-acre spacing. All interested parties may appear and show cause why the Travis-Upper Pennsylvanian Pool should not be developed on 40-acre spacing units.

CASE 6492: (Continued from March 14, 1979, Examiner Hearing)

Application of Yates Petroleum Corporation for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the San Andres formation underlying the NE/4 NW/4 of Section 13, Township 17 South, Range 25 East, 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 6510: 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 for the Wolfcamp through Mississippian formations of its Rio Pecos Federal "KO" Well No. 1, to be located 660 feet from the North line and 1300 feet from the East line of Section 28, Township 18 South, Range 27 East, Eddy County, New Mexico, the E/2 of said Section 28 to be dedicated to the well.

CASE 6511: Application of Yates Petroleum Corporation for a dual completion and downhole commingling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its Tom Brown "GO" Com. Well No. 1 located in Unit C of Section 22, Township 17 South, Range 26 East, Kennedy Farms Field, Eddy County, New Mexico, to produce gas from the Lower Morrow formation through tubing and to commingle and produce the Strawn and Upper Morrow zones in the annulus of said well.

CASE 6512: 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 Hilliard "BF" Federal Well No. 2, to be located 330 feet from the North line and 2310 feet from the West line of Section 14, Township 21 South, Range 22 East, to test the Wolfcamp through Mississippian formations, Eddy County, New Mexico, the W/2 of said Section 14 to be dedicated to the well.

CASE 6513: Application of Yates Petroleum Corporation for downhole commingling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Atoka and Morrow production in the wellbore of its Stebbins GQ Fed. Well No. 1 located in Unit B of Section 20, Township 20 South, Range 29 East, East Burton Flats Field, Eddy County, New Mexico.

CASE 6514: Application of Yates Petroleum Corporation for downhole commingling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of North Burton Flats-Atoka and East Burton Flats-Morrow production in the wellbore of its Williamson BC Fed. Well No. 4 located in Unit K of Section 7, Township 20 South, Range 29 East, Eddy County, New Mexico.

CASE 6515: Application of Southland Royalty Company for compulsory pooling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Dakota formation underlying the W/2 of Section 31, Township 31 North, Range 11 West, San Juan County, New Mexico, to be dedicated to its Grenier Well No. 23 drilled at a location 1190 feet from the South and West lines of said Section 31. 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 6516: Application of Union Oil Company of California for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for its Maduro Unit Area, comprising 2,560 acres, more or less, of Federal and State lands in Township 19 South, Range 33 East, Lea County, New Mexico.

CASE 6452: (Continued and Readvertised)

Application of Burleson & Huff for a non-standard gas proration unit and approval of infill drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 160-acre non-standard gas proration unit comprising the SW/4 of Section 25, Township 24 South, Range 36 East, Jalmat Gas Pool, Lea County, New Mexico. Applicant further seeks a finding that the recompletion of its Harrison Well No. 2 located in Unit N or in the alternative, the drilling of its Harrison Well No. 4 in Unit L, of Section 25 is necessary to effectively and efficiently drain that portion of the previously approved 160-acre proration unit which cannot be drained by the old unit well.

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 88209
RECEIVED
MAR 13 1979
OIL CONSERVATION DIVISION
SANTA FE

AREA CODE 505
746-3528

5 March 1979

Mr. Joe D. Ramey, Director
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

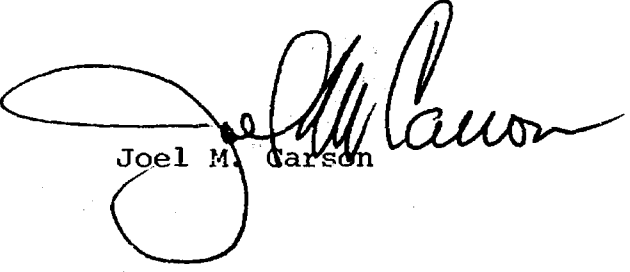
Dear Mr. Ramey:

Enclosed for filing, please find three copies of Application of
Yates Petroleum Corporation for dual completion and downhole
commingling in Eddy County, New Mexico.

We ask that this case be set for hearing and that you furnish
us with a docket of said hearing.

Yours truly,

LOSEE, CARSON & DICKERSON, P.A.


Joel M. Carson

JMC:bjm
Enclosures

cc w/enclosure: Yates Petroleum Corporation

BEFORE THE OIL CONSERVATION DIVISION

OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF :
YATES PETROLEUM CORPORATION FOR DUAL :
COMPLETION AND DOWNHOLE COMMINGLING, : CASE NO. 6511
EDDY COUNTY, NEW MEXICO :
:

APPLICATION

COMES NOW YATES PETROLEUM CORPORATION, by its attorneys,
and in support hereof, respectfully states:

1. That applicant is the operator of the Pennsylvanian system underlying the N/2 of Section 22, Township 17 South, Range 26 East, N.M.P.M., Eddy County, New Mexico, upon which it has drilled its Tom Brown "GO" Com. No. 1 Well. This well is located within the boundaries of the Kennedy Farms Pool.

2. That applicant proposes to dually complete and commingle the Upper Morrow and the Strawn in the annulus and to produce the Lower Morrow formation through the tubing.

3. That the perforations are as follows:

Strawn: 8,064 - 8,070 Feet

Upper Morrow: 8,398 - 8,402 Feet

Lower Morrow: 8,504 - 8,512 Feet

4. That a diagrammatic sketch of the proposed dual completion and commingling in accordance with Rule 112(a) of the Division Rules and Regulations is attached hereto; that the mechanics of the proposed dual completion is feasible in accordance with good conservation practice; and will otherwise prevent waste and protect correlative rights.

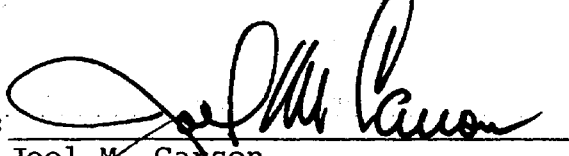
WHEREFORE, applicant prays:

A. That this application be set for hearing before an examiner and that notice of said hearing be given as required by law.

B. That upon hearing the Division enter its order granting permission to applicant to dually complete and commingle as is set forth above its Tom Brown "GO" Com. No. 1 Well for the production of gas from the Pennsylvanian formation of the Kennedy Farms Pool.

C. And for such other relief as may be just in the premises.

YATES PETROLEUM CORPORATION

By: 

Joel M. Carson

P. O. Drawer 239

Artesia, New Mexico 88210

Attorney for Applicant

YPC - Tom Brown GO Conn No. 1, C-22-17s-26E, Kennedy Farms, Eddy Co, N. Mex.
 Diagrammatic Sketch of Proposed Dual Completion, and Downhole Commingling

Elevation: 3339 GR, 3356 KB

Spudded: 12-10-76

Init Compl: 3-9-77 (Morrow)

Temp Compl: 12-27-77 (Strawn)

Dual Compl:

Top of San Andres - 925'

Base of Artesian Water - 1300'

Top of L. Canyon @ 7424 KB

Top of Strawn @ 7861 KB

Strawn Completion

IFP - 230' on 1/4 Ck = 350 mcfpd
 1-13-78 SIBHP = 2947

Top of Atoka @ 8226 KB

Top of Morrow @ 8386 KB

Upper Morrow Completion

IPF: 1.5 mcfpd
 2-15-79 SIBHP = 1980, Est. 50-100 mcfpd

Lower Morrow Completion

IPF: 240' on 1/2 Ck = 1.5 mcfpd
 2-27-79 SIBHP = 2826

Top of Chester @ 8641 KB

Lower Morrow (New Gas)

Commingled Upper Morrow & Strawn

17 1/2" hole to 403' KB

13 3/8" 48" J55 Csg set @ 402' KB, cement'd
 w/ 300 sr CI C, circulated.

12 1/4" hole to 1402' KB

8 5/8" 24" J55 Csg set @ 1402' KB, cement'd
 w/ 600 sr CI C, circulated w/ Syde Ready mix

Top of cement @ 7450' KB

Perf 8064-8070/24 0.34"

Totd 3000g. 15% MSA

Ret'd 8000g. 15% DS-30 + CO₂

2 3/8" Tbg landed in o/o tool @ 8042, blast joints
 opposite Strawn perforations, sliding sleeve @ 8411.

Perf 8398-8402/16 0.32" holes

Totd 500g. 7 1/2% MSA + N₂

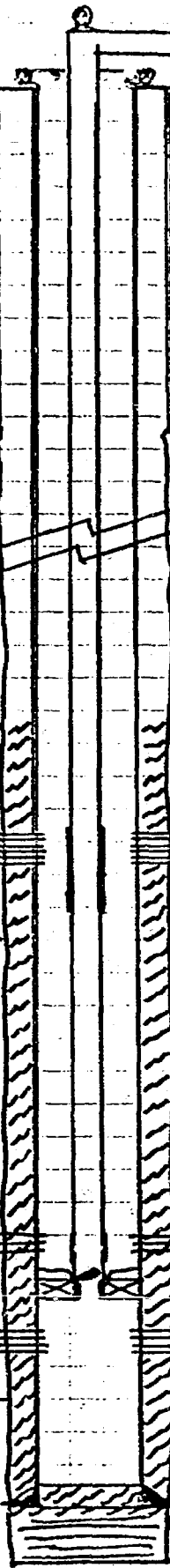
Baker Lok-set Pkr @ 8442' w/ Standing Valve

Perf 8504-8512/32 0.32" holes

Totd 1000g. 7 1/2% MSA + N₂

PBTD: 8559' KB. Ran 5 1/2" 15.5 # 17" K55 LTC Csg

TD: 8725' KB



BEFORE THE OIL CONSERVATION DIVISION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF :
YATES PETROLEUM CORPORATION FOR DUAL :
COMPLETION AND DOWNHOLE COMMINGLING, : CASE NO. 6511
EDDY COUNTY, NEW MEXICO :
_____ :

APPLICATION

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2. That applicant proposes to dually complete and commingle the Upper Morrow and the Strawn in the annulus and to produce the Lower Morrow formation through the tubing.

3. That the perforations are as follows:

Strawn:	8,064 ~ 8,070 Feet
Upper Morrow:	8,398 - 8,402 Feet
Lower Morrow:	8,504 - 8,512 Feet

4. That a diagrammatic sketch of the proposed dual completion and commingling in accordance with Rule 112(a) of the Division Rules and Regulations is attached hereto; that the mechanics of the proposed dual completion is feasible in accordance with good conservation practice; and will otherwise prevent waste and protect correlative rights.

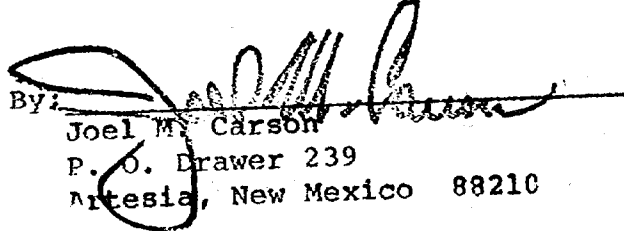
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B. That upon hearing the Division enter its order granting permission to applicant to dually complete and commingle as is set forth above its Tom Brown "GO" Com. No. 1 Well for the production of gas from the Pennsylvanian formation of the Kennedy Farms Pool.

C. And for such other relief as may be just in the premises.

YATES PETROLEUM CORPORATION

By: 

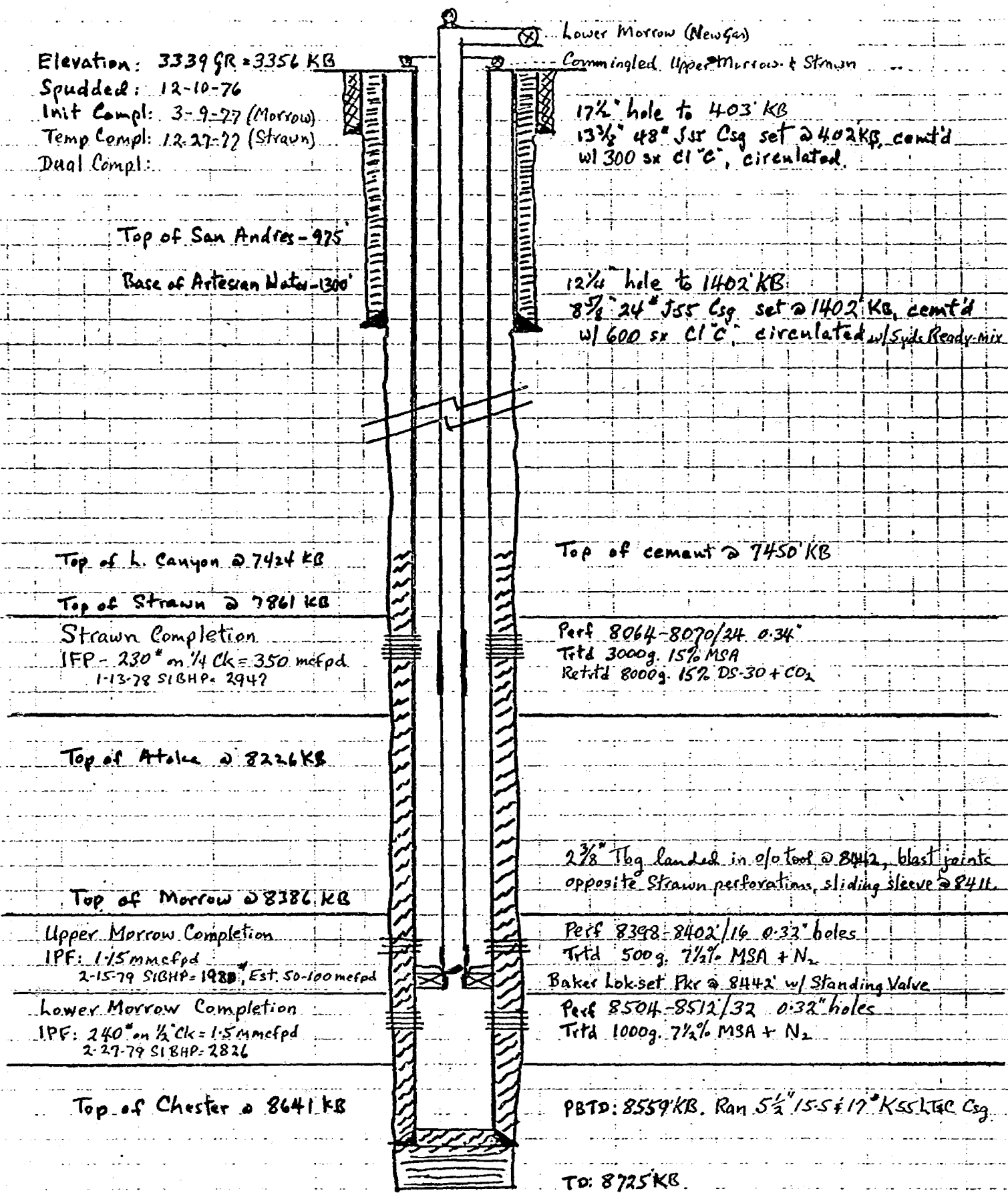
Joel M. Carson

P. O. Drawer 239

Artesia, New Mexico 88210

Attorney for Applicant

YPC - Tom Brown G.U. Com No. 1, C-22-175-26E, Kennedy Farms, Eddy Co, N. Mex.
 Diagrammatic Sketch of Proposed Dual Completion, and Downhole Commingling



BEFORE THE OIL CONSERVATION DIVISION

OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF :
YATES PETROLEUM CORPORATION FOR DUAL :
COMPLETION AND DOWNHOLE COMMINGLING, :
EDDY COUNTY, NEW MEXICO :

CASE NO. 6511

APPLICATION

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2. That applicant proposes to dually complete and commingle the Upper Morrow and the Strawn in the annulus and to produce the Lower Morrow formation through the tubing.

3. That the perforations are as follows:

Strawn:	8,064 - 8,070 Feet
Upper Morrow:	8,398 - 8,402 Feet
Lower Morrow:	8,504 - 8,512 Feet

4. That a diagrammatic sketch of the proposed dual completion and commingling in accordance with Rule 112(a) of the Division Rules and Regulations is attached hereto; that the mechanics of the proposed dual completion is feasible in accordance with good conservation practice; and will otherwise prevent waste and protect correlative rights.

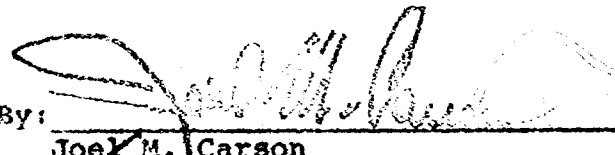
WHEREFORE, applicant prays:

A. That this application be set for hearing before an examiner and that notice of said hearing be given as required by law.

B. That upon hearing the Division enter its order granting permission to applicant to dually complete and commingle as is set forth above its Tom Brown "GO" Com. No. 1 Well for the production of gas from the Pennsylvanian formation of the Kennedy Farms Pool.

C. And for such other relief as may be just in the premises.

YATES PETROLEUM CORPORATION

By: 

Joel M. Carson

P. O. Drawer 239

Artesia, New Mexico 88210

Attorney for Applicant

15L 10m Drawn CV Com No. 1, C-11-15-200, Kennedy Farms, Tenn
 Diagrammatic Sketch of Proposed Dual Completion, and Downhole Comminglin.

Elevation: 3339 gr = 3356 KB
 Spudded: 12-10-76
 Init Compl: 3-9-77 (Morrow)
 Temp Compl: 12-27-77 (Straun)
 Dual Compl:

Top of San Andres - 975'
 Base of Artesian Water - 1300'

Top of L. Canyon @ 7424 KB
 Top of Straun @ 7861 KB
 Straun Completion
 IPR: 230' m 1/4 Ck = 350 mcfpd
 1-13-78 SI BHP = 2947

Top of Atoka @ 8226 KB

Top of Morrow @ 8386 KB
 Upper Morrow Completion
 IPR: 1.5 mcfpd
 2-15-79 SI BHP = 1988, Est. 50-100 mcfpd

Lower Morrow Completion
 IPR: 240' on 1/2 Ck = 1.5 mcfpd
 2-27-79 SI BHP = 2826

Top of Chester @ 8641 KB

Lower Morrow (New Gas)
 Commingled Upper Morrow & Straun

17 1/2" hole to 403' KB
 13 1/2" 48" Jss Csg set @ 402 KB, cement'd
 w/ 300 sx CI C, circulated

12 1/4" hole to 1402' KB
 8 5/8" 24" Jss Csg set @ 1402' KB, cement'd
 w/ 600 sx CI C, circulated w/ Syds Ready mix

Top of cement @ 7450' KB

Perf 8064-8070/24 0.34"
 Trtd 3000g. 15% MSA
 Retrd 8000g. 15% DS-30 + CO₂

2 3/8" Tbg landed in o/o tool @ 8442, blast joints
 opposite Straun perforations, sliding sleeve @ 8411

Perf 8398-8402/16 0.32" holes
 Trtd 500g. 7 1/2% MSA + N₂
 Baker Lok set Fkr @ 8442 w/ Standing Valve

Perf 8504-8512/32 0.32" holes
 Trtd 1000g. 7 1/2% MSA + N₂

PBTD: 8559 KB. Ran 5 1/2" 15.5 # 17" K55 LTR Csg

TD: 8725 KB



ROUGH

dr/

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 6511

Order No. R- 5983

APPLICATION OF YATES PETROLEUM CORPORATION
FOR A DUAL COMPLETION, AND DOWNHOLE COMMINGLING, EDDY
COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 o'clock a.m. on
March 28, 19 79, at Santa Fe, New Mexico, before
Examiner Richard L. Stamets.

NOW, on this _____ day of _____, 19 79, the
Division Director, 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 Division has jurisdiction of this cause and the subject
matter thereof.

(2) That the applicant, Yates Petroleum Corporation,
seeks authority to complete its Tom Brown "GO" Com
Well No. 1, located in Unit C of Section 22, Town-
ship 17 South, Range 26 East, NMPM, Eddy
County, New Mexico, as a dual completion (conventional) to
(combination)
(tubingless)
-oil
produce gas from the Lower Morrow formation through tubing and
to commingle and produce the Strawn and Upper Morrow zones
in the annulus of said well.

of the (3) That the evidence presented established no sound engineering or geological reasons for ~~separately~~ dually completing and separately producing the Upper and Lower zones Morrow formation. ~~no reason.~~

(4) That the evidence presented indicated that the proposed method of production may result in lower ultimate recovery of gas from the Morrow formation.

(5) That to prevent waste the subject application should be denied.

IT IS THEREFORE ORDERED:

(1) That the ^{application of} ~~applicant~~, Yates Petroleum Corporation, is hereby ~~authorized~~ to complete its Tom Brown "GO" Com Well No. 1, located in Unit C of Section 22, Township 17 South, Range 26 East Kennedy Farms Field, NMPM, Eddy County, New Mexico, as a dual completion (conventional) ~~(combination)~~ ~~(tubingless)~~ oil to produce gas from the Lower Morrow formation through tubing and to commingle and produce the Strawn and Upper Morrow zones in the annulus of said well. is hereby denied.

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

PROVIDED FURTHER, that the applicant shall take _____ tests upon completion and annually thereafter during the Annual _____ Test Period for the _____ Pool.

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

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