

RECEIVED JUN 3 1993



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

May 28, 1993



BRUCE KING
GOVERNOR
ANITA LOCKWOOD
CABINET SECRETARY

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

**BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico**

Armstrong Energy Corporation
P. O. Box 1973
Roswell, New Mexico 88202

Case Nos. 10653 and 10773 Exhibit No. 11
(Consolidated)

Submitted by: Armstrong Energy Corporation

Attention: Robert G. Armstrong, President

Hearing Date: January 13, 1994

Re: Request for Testing Allowable
Armstrong Energy Corporation - Mobil Lea
State Well No. 2, Lea County, New Mexico

Gentlemen:

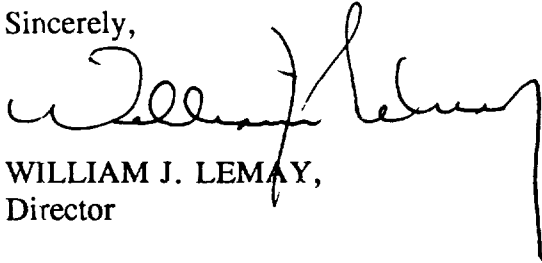
Your request for a temporary testing allowable of up to 300 BOPD for the subject well is hereby approved with the following stipulations:

- 1) This becomes effective when all of the offset operators have been notified of your request and have submitted written waivers to the OCD.
- 2) Adequate reservoir data is collected and engineering analysis performed to prove what drive mechanisms are involved, to what degree each of these mechanisms is contributing, reservoir fluid properties, and how the reservoir will perform as it is produced. Submit your proposed tests to the Division for approval.
- 3) Analysis is performed to determine if this well/pool is in communication with other Delaware pools in the area.
- 4) The information and analyses obtained from the testing is presented at the July 11, 1993, Oil Conservation Commission De Novo hearing for Case 10653, Application of Armstrong Energy Corporation for special pool rules, Lea County, New Mexico.

In addition to the items listed above, please present justification for your position that shutting-in the well will be detrimental to the well and/or the reservoir.

Please advise the Hobbs district supervisor when the testing is to start.

Sincerely,

A handwritten signature in black ink, appearing to read 'William J. Lemay', written over the printed name.

WILLIAM J. LEMAY,
Director

WJL/LOV/dr

cc: Jerry Sexton
Oil Conservation Division - Hobbs

BEFORE THE
OIL CONSERVATION COMMISSION
NEW MEXICO DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES

IN THE MATTER OF THE APPLICATION
OF ARMSTRONG ENERGY CORPORATION
FOR SPECIAL POOL RULES,
LEA COUNTY, NEW MEXICO.

CASE NO. 10653

IN THE MATTER OF THE APPLICATION
OF ARMSTRONG ENERGY CORPORATION
FOR POOL EXTENSION AND ABOLISHMENT,
LEA COUNTY, NEW MEXICO.

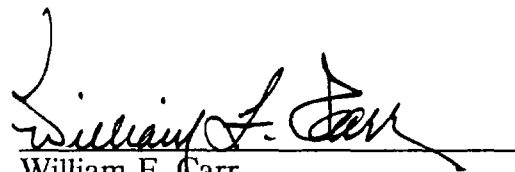
CASE NO. 10773

AFFIDAVIT OF MAILING

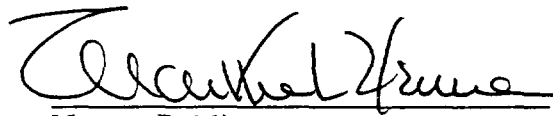
STATE OF NEW MEXICO)
) ss.
COUNTY OF SANTA FE)

WILLIAM F. CARR, attorney in fact and authorized representative of Armstrong Energy Corporation, the Applicant herein, being first duly sworn, upon oath, states that the notice provisions of Rule 1207 of the New Mexico Oil Conservation Division have been complied with, that Applicant has caused to be conducted a good faith diligent effort to find the correct addresses of all interested persons entitled to receive notice as shown by Exhibit "A" attached hereto, and that pursuant to Rule 1207, notice has been given at the correct addresses provided by such rule.

Further Affiant sayeth naught.


William F. Carr

SUBSCRIBED AND SWORN to before me this 11th day of January, 1994.


Notary Public

My Commission Expires:

August 19, 1995

EXHIBIT A

Read & Stevens, Inc.
Attn: Charles B. Read
Post Office Box 1518
Roswell, New Mexico 88202-1518

Snow Oil & Gas, Inc.
Post Office Box 1277
Andrews, TX 79714

Mid Continent Energy, Inc.
Attn: Jack Harris
401 South Boston, Suite 3500
Tulsa, OK 74103

Marathon Oil Company
Attn: D. G. Price
Post Office Box 552
Midland, TX 79702

**BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico**

Case Nos. 10653 and 10773 Exhibit No. 9
(Consolidated)
Submitted by: Armstrong Energy Corporation
Hearing Date: January 13, 1994

CAMPBELL, CARR, BERGE
& SHERIDAN, P.A.
LAWYERS

MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
MARK F. SHERIDAN
WILLIAM P. SLATTERY

PATRICIA A. MATTHEWS
MICHAEL H. FELDEWERT
DAVID B. LAWRENZ

JACK M. CAMPBELL
OF COUNSEL

JEFFERSON PLACE
SUITE 1 - 110 NORTH GUADALUPE
POST OFFICE BOX 2208
SANTA FE, NEW MEXICO 87504-2208
TELEPHONE: (505) 988-4421
TELECOPIER: (505) 983-6043

June 29, 1993

TO: ALL OWNERS OF INTEREST IN THE NORTHEAST LEA-DELAWARE POOL
AREA AND THE QUAIL RIDGE-DELAWARE POOL AREA

Re: Amended Application of Armstrong Energy Corporation for Abolishment of
the Quail Ridge-Delaware Pool, Extension of the Northeast Lea-Delaware
Pool and the Promulgation of Special Pool Rules, Lea County, New Mexico

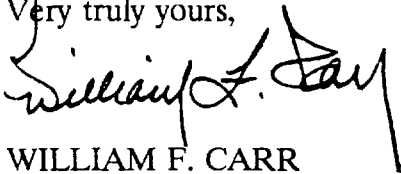
Gentlemen:

This letter is to advise you that Armstrong Energy Corporation has filed the enclosed amended application with the New Mexico Oil Conservation Division seeking an Order abolishing the Quail Ridge-Delaware Pool, extending the boundaries of the Northeast Lea-Delaware Pool and Promulgating Special Pool Rules and Regulations for the Northeast Lea-Delaware Pool. These pools are located in Township 19 and 20 South, Range 34 East, N.M.P.M., Lea County, New Mexico.

This application will be set for hearing before the Oil Conservation Commission on July 22, 1993. You are not required to attend this hearing, but as the owner of an interest that may be affected by this application, you may appear at that hearing and present testimony. Failure to appear at that time or otherwise become a party of record will preclude you from challenging this application at a later date.

Parties appearing in cases before the Commission have been requested to file a Pre-hearing Statement substantially in the form prescribed by Oil Conservation Division Memorandum 2-90. Pre-hearing statements should be filed by 4:00 o'clock p.m., on the Friday before a scheduled hearing.

Very truly yours,



WILLIAM F. CARR
ATTORNEY FOR ARMSTRONG ENERGY CORPORATION

WFC:mlh

Enclosure



P 111 333 390

Receipt for Certified Mail

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to Attn: Charles B. Read Read & Stevens, Inc.	
Street and No. Post Office Box 1518	
P.O., State and ZIP Code Roswell, NM 88202-1518	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date JUNE 29, 1993	

PS Form 3800, June 1991

SENDER: Complete items 1 and 2 (when additional services are desired, and complete items 3 and 4, all in the "RETURN TO:" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fee and check boxes for additional services requested.	
☐ Show to whom delivered, date, and addressee's address. ☐ Restricted Delivery (Extra charge)	
1. Article Addressed to: Read & Stevens, Inc. Post Office Box 1518 Roswell, New Mexico 88202-1518 Attn: Charles B. Read, President	4. Article Number P 111 333 390
5. Signature - Address X	Type of Service: ☐ Registered ☐ Insured ☐ Certified ☐ COD ☐ Express Mail ☐ Return Receipt for Merchandise
6. Signature - Agent X <i>Edmund Delosantos</i>	Always obtain signature of addressee or agent and DATE DELIVERED.
7. Date of Delivery 7-1-93	8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Mar. 1988 * U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT



**Receipt for
Certified Mail**

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to Snow Oil & Gas, Inc.	
Street and No. Post Office Box 1277	
P.O., State and ZIP Code Andrews, TX 79714	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom Date and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date JUNE 29, 1993	

PS Form 3800, June 1991

PS Form 3811, Mar. 1988 • U.S.G.P.O. 1988-212-868 • DOMESTIC RETURN RECEIPT

3. Article Addressed to: Snow Oil & Gas, Inc. Post Office Box 1277 Andrews, TX 79714	
4. Article Number P 111 333 391	
Type of Service: ☐ Registered ☐ Insured ☐ Certified ☐ COD ☐ Express Mail ☐ Return Receipt for Merchandise	
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Addressee's Address (ONLY if requested and fee paid)	
6. Signature - Addressee X <i>[Signature]</i>	
6. Signature - Agent X	
7. Date of Delivery X	

● **SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery (Extra charge)



P 111 333 392
**Receipt for
Certified Mail**
No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to: Attn: Jack Harris	
Street and No. Mid Continent Energy, Inc.	
401 South Boston, Suite 3500	
P.O. State and ZIP Code Tulsa, OK 74103	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date and Addressee's Address	
Other Postage & Fees	\$
Postmark or Date JUNE 29, 1993	

PS Form 3800, June 1991

1. Article Addressed to: Mid-Continent Energy, Inc. 401 South Boston, Suite 3500 Tulsa, OK 74103 Attn: Jack Harris, Production Engineer		2. Article Number: P 111 333 392	
3. Signature - Address X		4. Type of Service: ☒ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail ☐ Return Receipt for Merchandise	
5. Signature - Agent X <i>[Signature]</i>		6. Addressee's Address (ONLY if requested and fee paid) Always obtain signature of addressee or agent and DATE DELIVERED.	
7. Date of Delivery 7-2-93		8. DOMESTIC RETURN RECEIPT	

PS Form 3811, Mar. 1988 • U.S.G.P.O. 1988-212-865



P 111 333 393

Receipt for Certified Mail

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to Attn: D. G. Price Marathon Oil Company	
Street and No. Post Office Box 552	
P.O. State and ZIP Code Midland, TX 79702	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date JUNE 29, 1993	

PS Form 3800, June 1991

PS Form 3811, Mar. 1988 • U.S.G.P.O. 1988-212-966 DOMESTIC RETURN RECEIPT

SENDER - Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☒ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery (Extra charge)
3. ☐ Signature - Address (Extra charge)

Article Addressed to:
Marathon Oil Company
Post Office Box 552
Midland, TX 79702
Attn: D. G. Price

Article Number
P 111 333 393

7. Date of Delivery
JUL - 2 1993

8. Signature - Address
Signature - Address
JUL - 2 1993

8. Addressee's Address (ONLY if requested and fee paid)
Always obtain signature of addressee or agent and DATE DELIVERED.

9. Signature of Addressee
Signature of Addressee

10. Date of Delivery
JUL - 2 1993

11. Signature of Addressee
Signature of Addressee

12. Date of Delivery
JUL - 2 1993

13. Signature of Addressee
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14. Date of Delivery
JUL - 2 1993

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JUL - 2 1993

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JUL - 2 1993

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JUL - 2 1993

97. Signature of Addressee
Signature of Addressee

98. Date of Delivery
JUL - 2 1993

99. Signature of Addressee
Signature of Addressee

100. Date of Delivery
JUL - 2 1993

CHARLES E. READ
PRESIDENT

Read & Stevens, Inc.

Oil Producers

P. O. Box 1000

Business - Lea, New Mexico 87504

OIL CONSERVATION DIVISION
REC'D

JAN 1993 15 PM 8 50

December 30, 1992

RECEIVED
JAN - 4 1993
CAMPBELL, CARR, CL. & A.

Campbell, Carr, Berge & Sheridan
P. O. Box 2208
Santa Fe, New Mexico 87504-2208

Attention: William F. Carr

RE: Application of Armstrong Energy Corporation for Special Pool
Rules, Lea County, New Mexico

Gentlemen:

Read & Stevens, Inc. is in receipt of your letter dated December 16, 1992, advising Armstrong Energy Corporation has filed an application with the Oil Conservation Division seeking an order for special pool rules in the Northeast Lea-Delaware Pool. Please be advised that Read & Stevens, Inc. fully supports the application made by Armstrong Energy, and believes that an increase in the allowable is a prudent action.

Currently we operate six producing Delaware wells and are drilling a seventh Delaware well in the Quail Ridge Delaware field which is less than one mile to the west of the Armstrong Energy acreage. The producing Delaware wells that we operate are all on sucker rod pumping systems and are all pumping at top allowable rates with very high fluid levels. The high fluid levels are indicative of a formation that has a deliverability which is much greater than the existing 107 BOPD top allowable rate that we currently produce.

Sincerely,

READ & STEVENS, INC.

John C. Maxey, Jr.

John C. Maxey, Jr.
Petroleum Engineer

Read & Stevens

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JCM/sr/POOLRULE.CARR

10653

xc: Well File

MEMORANDUM

TO: Working Interest Owners
FROM: Robert G. Armstrong
RE: Mobil Lea State #1, #2, #3, & #4

You will recall that in early 1993 Armstrong Energy Corporation petitioned the Oil Conservation Division for an increase in allowable for the Northeast Lea Delaware field. Our request was for 300 BOPD as opposed to the current allowable of 107 BOPD. Our initial request was denied, but we filed for a Hearing De Novo.

The hearing is now set for Thursday, January 13. In the intervening months, we have drilled additional wells which have provided additional data and support for our request. Read & Stevens has also drilled offset wells which provide even more information. Extensive production tests which we ran last summer indicate that our request for an increase in allowable can be justified. If we are not allowed to increase production to decrease pressures, a significant amount of oil will not be recovered due to the nature of the reservoir, the strong water drive, the amount of gas in solution and the extremely high bottom-hole pressures. Our consulting engineer and geologist have compiled extensive reports and data which will be presented to the Commission. We are hopeful that an increase in the allowable will be granted.

As soon as I know something definite with regard to the final determination, I will let each one of you know.

January 6, 1994

Read & Stevens

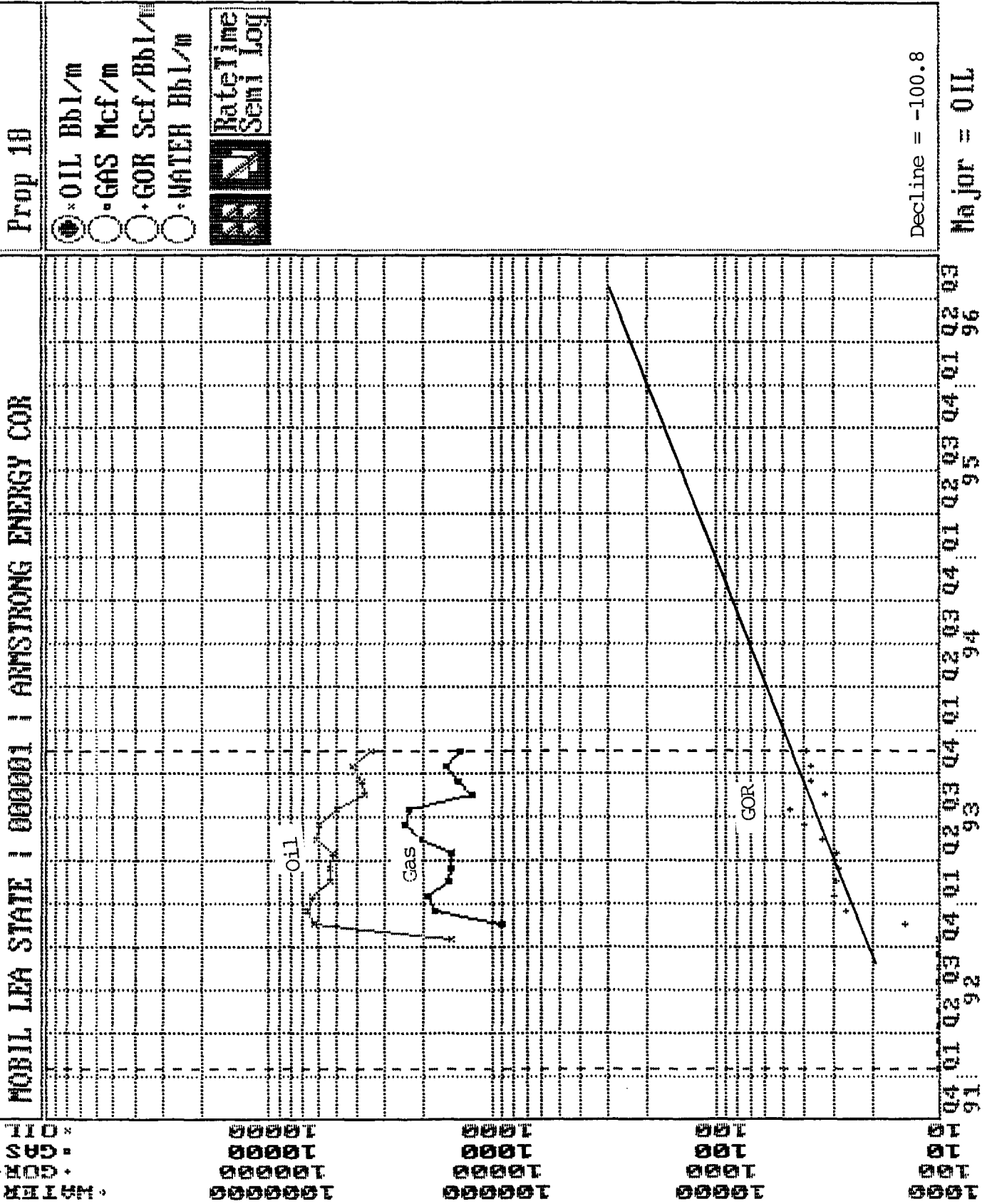
6

10653

OIL FIELD

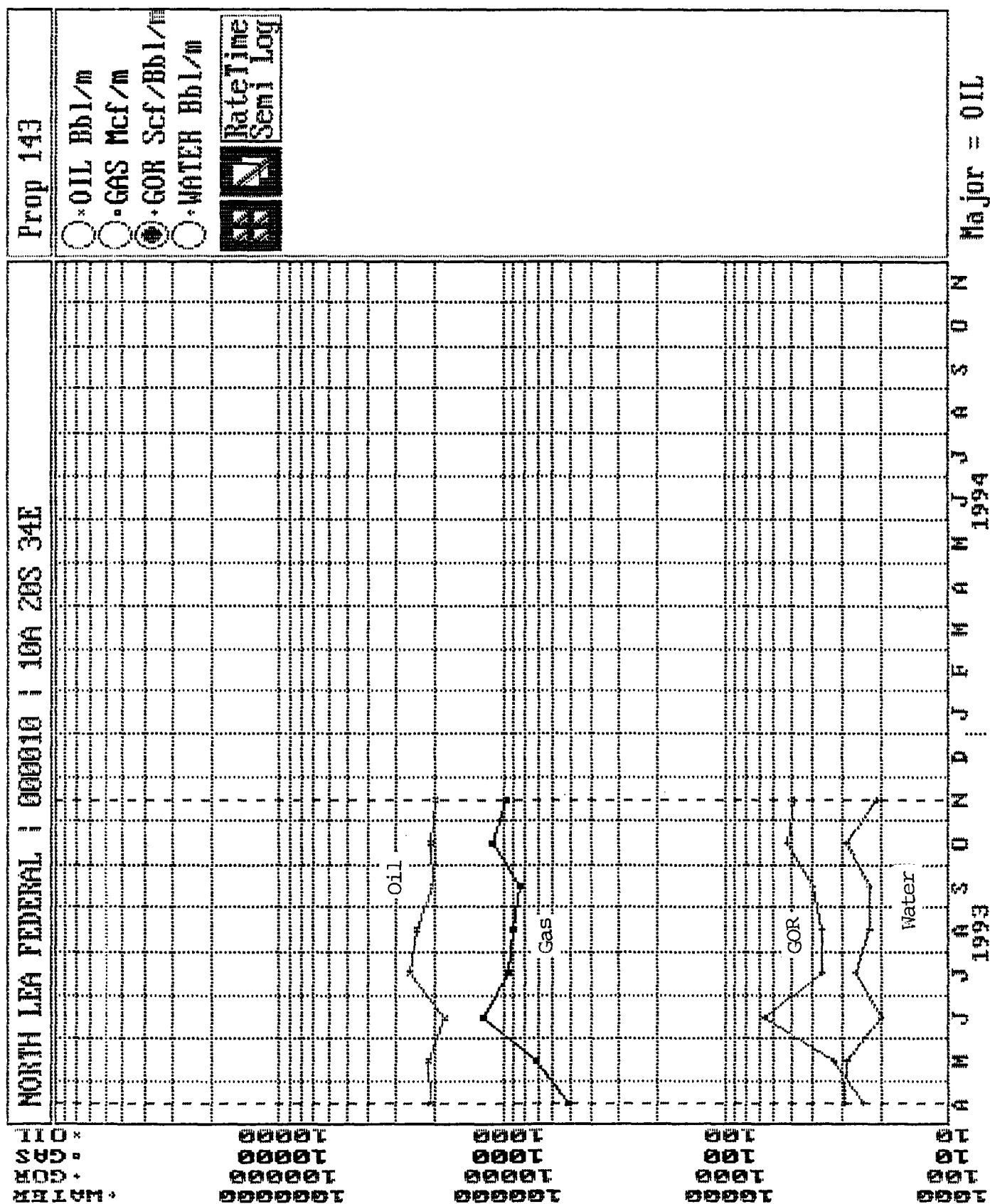
Reed + Stevens 7

CAS 10653



8

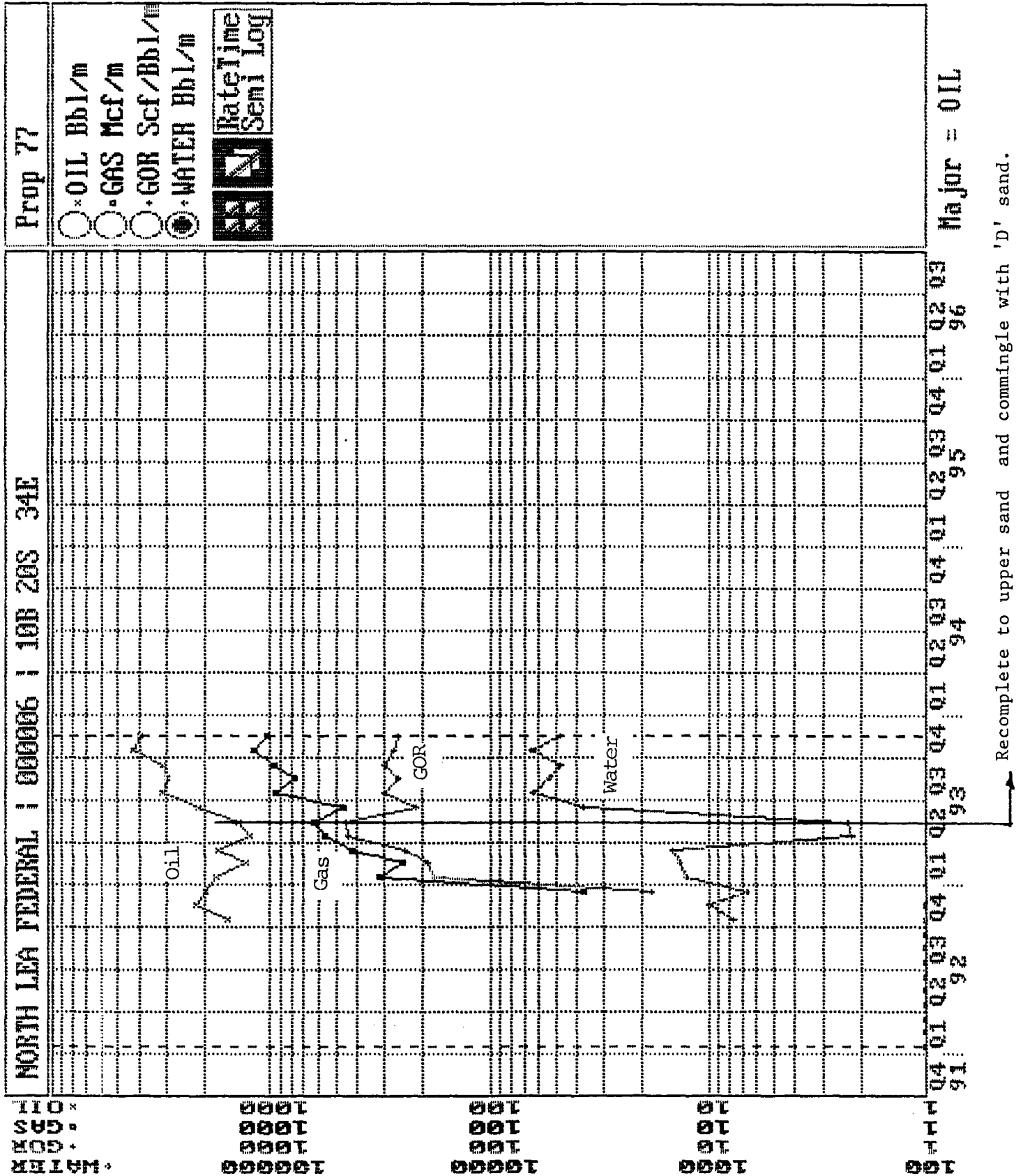
10653



Read + Stevens

9

10653



Read & Stevens, Inc.
Gas/Oil Ratios
Quail Ridge/NE Lea Fields

<u>Well</u>	<u>Initial GOR</u> <u>Cu.Ft/BO</u>	<u>Date</u>	<u>Latest GOR</u> <u>Cu.Ft/BO</u>	<u>Date</u>
Mobil Lea St #1	280	01/93	389	11/93
Mobil Lea St #2	360	05/93	386	11/93
Mobil Lea St #3	395	11/93	395	11/93
North Lea Fed #6	195	02/93	444	05/93
North Lea Fed #10	283	04/93	504	11/93
Mark Federal #4	NA		NA	

READ & STEVENS, INC.
OIL CONSULTING AND SERVICES

Read & Stevens ENTERED 10

10653

INDIVIDUAL WELL TEST

LEASE <i>MARK Fed #4</i>					
PRODUCING METHOD (✓) ☒ ROD PUMP ☐ FLOW				OTHER	
WELL NO. <i>4</i>					
OIL PRODUCED ON TEST		TOTAL BBLs. <i>106</i>	BBLs. IN 24 HOURS <i>106</i>		
WATER PRODUCED ON TEST		<i>5</i>	<i>5</i>		
TEST STARTED				DATE <i>12-24-93</i>	HOUR <i>10:30</i> ^{AM} P.M.
TEST COMPLETED				DATE <i>12-25-93</i>	HOUR <i>10:30</i> ^{AM} P.M.
TANK NUMBER	TANK SIZE	OPENING GAUGE FT. IN.		CLOSING GAUGE FT. IN.	
<i>163076</i>	<i>500</i>	<i>4</i>	<i>9</i>	<i>7</i>	<i>11</i>
				HOURS TESTED <i>24</i>	
				HOURS PRODUCING PRIOR TO TEST <i>24</i>	
				HOURS SHUT DOWN PRIOR TO TEST <i>0</i>	
				PERCENT WATER TO TOTAL LIQUID %	
				GRIND OUT AT WELL <i>10</i> BS+W	
PUMP	LENGTH OF STROKE <i>100"</i>	STROKES PER MIN. <i>9 1/2</i>		FLOW	
PUMP BORE SIZE <i>1 1/2</i>	DID WELL PUMP OFF? <i>Yes</i>		CHOKE	CASTING PRESSURE	TUBING PRESSURE
TYPE OF PUMP <i>2" X 1 1/2" X 20' RHBCI</i>			SIZE FLOW STRING	WAS FLOW BY HEADS?	
				☐ GAUGED ☒ METERED ☐ ESTIMATED	

REMARKS: (including data about well treatment and other methods of producing.)

TESTED BY

[Signature]

Read + Stevens

10653

INDIVIDUAL WELL TEST

LEASE						Mark Fed. #4											
PRODUCING METHOD (✓)						OTHER											
☒ ROD PUMP						☐ FLOW											
WELL NO. 4																	
OIL PRODUCED ON TEST			TOTAL BBLs. 114			BBLs. IN 24 HOURS 114			TEST STARTED			DATE 12-23-93			HOUR 10:30 A.M.		
WATER PRODUCED ON TEST			1			1			TEST COMPLETED			DATE 12-24-93			HOUR 10:30 A.M.		
TANK NUMBER		TANK SIZE		OPENING GAUGE		CLOSING GAUGE						HOURS TESTED		24			
				FT. IN.		FT. IN.						HOURS PRODUCING PRIOR TO TEST		24			
163076		500		1 4		4 9						HOURS SHUT DOWN PRIOR TO TEST		0			
												PERCENT WATER TO TOTAL LIQUID		%			
												GRIND OUT AT WELL		-20 B5+W			
PUMP		LENGTH OF STROKE		STROKES PER MIN.		FLOW		CASTING PRESSURE		TUBING PRESSURE		METHOD OF WATER MEASUREMENT					
100"		8 1/2										☐ GAUGED					
PUMP BORE SIZE		DID WELL PUMP OFF?				CHOKE		WAS FLOW BY HEADS?				☒ METERED					
1 1/2		Yes										☐ ESTIMATED					
TYPE OF PUMP						SIZE FLOW STRING											
2" X 1 1/2" X 20' RHBC																	

REMARKS: (Including data about well treatment and other methods of producing.)

TESTED BY

Joe Toman

Road + Stevens

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CASE 10653

PROPERTY	PROPERTY NAME	TEST DATE	TOTAL FLUID	OIL BBLS	WATER BBLS	% WATER	GAS MCF	TEST HOURS	GOR	RUN TUBE TM% PRES	STROK /MIN PRES	CASE STROK LNTH PRES	PLUNG DIAM	CO2 %	THEO.TOT FLUID
009281	MARK #1	12/27/93	137.00	108.00	29.00	21.17	57.00	24.00	527	100	0 10.00	0 72.0	1.75	0.00	257.01
009281	MARK #1	12/28/93	143.00	103.00	40.00	27.97	57.00	24.00	553	100	0 10.00	0 72.0	1.75	0.00	257.01
009281	MARK #1	12/29/93	169.00	135.00	34.00	20.12	63.00	24.00	466	100	0 10.00	0 72.0	1.75	0.00	257.01
009290	MARK #2	12/21/93	113.00	105.00	8.00	7.08	47.00	24.00	447	100	0 8.00	0 72.0	1.50	0.00	151.06
009290	MARK #2	12/22/93	110.00	102.00	8.00	7.27	46.00	24.00	450	100	0 8.00	0 72.0	1.50	0.00	151.06
009290	MARK #2	12/23/93	111.00	103.00	8.00	7.21	46.00	24.00	446	100	0 8.00	0 72.0	1.50	0.00	151.06
009472	N LEA # 4	12/17/93	79.00	77.00	2.00	2.53	38.00	24.00	493	100	0 8.00	0 100.0	1.50	0.00	209.81
009472	N LEA # 4	12/18/93	67.00	66.00	1.00	1.49	39.00	24.00	590	100	0 8.00	0 100.0	1.50	0.00	209.81
009472	N LEA # 4	12/19/93	72.00	71.00	1.00	1.39	39.00	24.00	549	100	0 8.00	0 100.0	1.50	0.00	209.81
009473	N LEA # 5	12/12/93	130.00	115.00	15.00	11.54	42.00	24.00	365	100	0 6.50	0 100.0	1.50	0.00	170.47
009473	N LEA # 5	12/15/93	129.00	111.00	18.00	13.95	39.00	24.00	351	100	0 6.50	0 100.0	1.50	0.00	170.47
009473	N LEA # 5	12/16/93	170.00	113.00	57.00	33.53	30.00	24.00	265	100	0 6.50	0 100.0	1.50	0.00	170.47
009474	N LEA # 6	12/19/93	276.00	167.00	109.00	39.49	47.00	24.00	281	100	0 8.50	0 120.0	1.75	0.00	364.10
009474	N LEA # 6	12/21/93	296.00	181.00	115.00	38.85	56.00	24.00	309	100	0 8.50	0 120.0	1.75	0.00	364.10
009474	N LEA # 6	12/22/93	294.00	177.00	117.00	39.80	50.00	24.00	282	100	0 8.50	0 120.0	1.75	0.00	364.10
009500	N LEA # 7	12/09/93	225.00	125.00	100.00	44.44	70.00	24.00	560	100	0 7.50	0 120.0	1.50	0.00	236.03
009500	N LEA # 7	12/10/93	235.00	122.00	113.00	48.09	73.00	24.00	598	0	0 7.50	0 120.0	1.50	0.00	0.00
009501	MARK #3	12/25/93	207.00	69.00	138.00	66.67	28.00	24.00	405	100	0 8.00	0 120.0	1.25	0.00	174.84
009501	MARK #3	12/26/93	212.00	78.00	134.00	63.21	30.00	24.00	384	100	0 8.00	0 120.0	1.25	0.00	174.84
009502	MARK #4	12/23/93	115.00	114.00	1.00	0.87	16.00	24.00	140	100	0 8.50	0 100.0	1.50	0.00	222.92
009502	MARK #4	12/24/93	111.00	106.00	5.00	4.50	21.00	24.00	198	100	0 8.50	0 100.0	1.50	0.00	222.92
009506	N LEA # 8	12/09/93	348.00	109.00	239.00	68.68	43.00	24.00	394	100	0 8.00	0 120.0	1.50	0.00	251.77
009506	N LEA # 8	12/10/93	348.00	107.00	241.00	69.25	43.00	24.00	401	100	0 8.00	0 120.0	1.50	0.00	251.77
009506	N LEA # 8	12/11/93	336.00	107.00	229.00	68.15	43.00	24.00	401	100	0 8.00	0 120.0	1.50	0.00	251.77
009507	N LEA # 9	12/15/93	262.00	125.00	137.00	52.29	0.00	24.00	0	100	0 10.00	0 120.0	1.50	0.00	314.71
009507	N LEA # 9	12/16/93	249.00	117.00	132.00	53.01	25.00	24.00	213	100	0 10.00	0 120.0	1.50	0.00	314.71
009507	N LEA # 9	12/17/93	244.00	117.00	127.00	52.05	31.00	24.00	264	100	0 10.00	0 120.0	1.50	0.00	314.71
009512	N LEA #10	12/11/93	136.00	71.00	65.00	47.79	69.00	24.00	971	100	0 10.00	0 120.0	1.25	0.00	218.55
009512	N LEA #10	12/12/93	145.00	77.00	68.00	46.90	67.00	24.00	870	100	0 10.00	0 120.0	1.25	0.00	218.55
009529	MARK #6	12/29/93	217.00	106.00	111.00	51.15	32.00	24.00	301	100	0 8.00	0 120.0	1.50	0.00	251.77
009529	MARK #6	12/30/93	188.00	83.00	105.00	55.85	32.00	24.00	385	100	0 8.00	0 120.0	1.50	0.00	251.77
009546	MARK #8	12/10/93	205.00	0.00	205.00	100.00	0.00	24.00	0	100	0 8.00	0 100.0	1.50	0.00	209.81
009546	MARK #8	12/11/93	193.00	0.00	193.00	100.00	0.00	24.00	0	100	0 8.00	0 100.0	1.50	0.00	209.81

33 Properties listed

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11/01/93 THRU 11/30/93

PROPERTY	PROPERTY NAME	TEST DATE	TOTAL FLUID	OIL BBLs	WATER BBLs	% WATER	GAS MCF	TEST HOURS	GOR	RUN TM% PRES	TUBE PRES	STROK /MIN	CASE PRES	STROK LNTH	PLUNG DIAM	CO2 T %
009281	MARK #1	11/17/93	150.00	120.00	30.00	20.00	63.00	24.00	525	100	0	10.00	0	72.0	1.75	0.00
009281	MARK #1	11/18/93	151.00	119.00	32.00	21.19	63.00	24.00	529	100	0	10.00	0	72.0	1.75	0.00
009281	MARK #1	11/19/93	156.00	121.00	35.00	22.44	66.00	24.00	545	100	0	10.00	0	72.0	1.75	0.00
009290	MARK #2	11/18/93	108.00	100.00	8.00	7.41	46.00	24.00	460	100	0	8.00	0	72.0	1.50	0.00
009290	MARK #2	11/19/93	111.00	103.00	8.00	7.21	45.00	24.00	436	0	0	8.00	0	72.0	1.50	0.00
009290	MARK #2	11/20/93	108.00	100.00	8.00	7.41	43.00	24.00	430	100	0	8.00	0	72.0	1.50	0.00
009472	N LEA # 4	11/10/93	83.00	82.00	1.00	1.20	32.00	24.00	390	100	0	8.00	0	100.0	1.50	0.00
009472	N LEA # 4	11/11/93	69.00	66.00	3.00	4.35	32.00	24.00	484	100	0	8.00	0	100.0	1.50	0.00
009472	N LEA # 4	11/12/93	84.00	82.00	2.00	2.38	33.00	24.00	402	100	0	8.00	0	100.0	1.50	0.00
009473	N LEA # 5	11/16/93	127.00	114.00	13.00	10.24	29.00	24.00	254	100	0	6.50	0	100.0	1.50	0.00
009473	N LEA # 5	11/17/93	124.00	113.00	11.00	8.87	29.00	24.00	256	100	0	6.50	0	100.0	1.50	0.00
009473	N LEA # 5	11/18/93	125.00	113.00	12.00	9.60	29.00	24.00	256	100	0	6.50	0	100.0	1.50	0.00
009474	N LEA # 6	11/16/93	281.00	142.00	139.00	49.47	42.00	24.00	295	100	0	8.75	0	120.0	1.75	0.00
009474	N LEA # 6	11/18/93	308.00	153.00	155.00	50.32	42.00	24.00	274	100	0	8.50	0	120.0	1.75	0.00
009474	N LEA # 6	11/24/93	292.00	156.00	136.00	46.58	42.00	24.00	269	100	0	8.50	0	120.0	1.75	0.00
009500	N LEA # 7	11/10/93	300.00	125.00	175.00	58.33	39.00	24.00	312	100	0	7.50	0	120.0	1.50	0.00
009500	N LEA # 7	11/11/93	286.00	122.00	164.00	57.34	37.00	24.00	303	100	0	7.50	0	120.0	1.50	0.00
009500	N LEA # 7	11/12/93	256.00	112.00	144.00	56.25	35.00	24.00	312	100	0	7.50	0	120.0	1.50	0.00
009501	MARK #3	11/01/93	337.00	85.00	252.00	74.78	24.00	24.00	282	100	0	8.00	0	120.0	1.25	0.00
009501	MARK #3	11/02/93	315.00	80.00	235.00	74.60	24.00	24.00	300	100	0	8.00	0	120.0	1.25	0.00
009501	MARK #3	11/03/93	310.00	79.00	231.00	74.52	31.00	24.00	392	100	0	8.00	0	120.0	1.25	0.00
009506	N LEA # 8	11/20/93	268.00	55.00	213.00	79.48	33.00	24.00	600	100	0	8.00	0	120.0	1.25	0.00
009506	N LEA # 8	11/21/93	261.00	52.00	209.00	80.08	36.00	24.00	692	100	0	8.00	0	120.0	1.25	0.00
009506	N LEA # 8	11/22/93	255.00	52.00	203.00	79.61	34.00	24.00	653	100	0	8.00	0	120.0	1.25	0.00
009507	N LEA # 9	11/23/93	295.00	130.00	165.00	55.93	31.00	24.00	238	100	0	10.00	0	120.0	1.50	0.00
009507	N LEA # 9	11/24/93	245.00	111.00	134.00	54.69	36.00	24.00	324	100	0	10.00	0	120.0	1.50	0.00
009512	N LEA #10	11/13/93	145.00	82.00	63.00	43.45	40.00	24.00	487	100	0	10.00	0	120.0	1.25	0.00
009512	N LEA #10	11/14/93	136.00	75.00	61.00	44.85	40.00	24.00	533	100	0	10.00	0	120.0	1.25	0.00
009512	N LEA #10	11/15/93	135.00	72.00	63.00	46.67	40.00	24.00	555	100	0	10.00	0	120.0	1.25	0.00
009528	MARK #5	11/25/93	120.00	50.00	70.00	58.33	0.00	24.00	0	100	0	0.00	0	0.0	0.00	0.00
009529	MARK #6	11/13/93	189.00	123.00	66.00	34.92	0.00	24.00	0	100	0	0.00	0	0.0	0.00	0.00
009546	MARK #8	11/27/93	123.50	0.50	123.00	99.60	0.00	24.00	0	100	0	0.00	0	0.0	0.00	0.00

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