

MARTIN YATES, III
1912 - 1985
FRANK W. YATES
1936 - 1986

OIL CONSERVATION DIVISION
RECEIVED



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 748-1471

Date 3-25-96
1215
S. P. YATES
CHAIRMAN OF THE BOARD
JOHN A. YATES
PRESIDENT
PEYTON YATES
EXECUTIVE VICE PRESIDENT
RANDY G. PATTERSON
SECRETARY
DENNIS G. KINSEY
TREASURER

February 29, 1996

David Catanach
State of New Mexico
OIL CONSERVATION DIVISION
2040 S. Pacheco Street
Santa Fe, NM 87505-5472

Dear Mr. Catanach,

Enclosed are the necessary documents for obtaining approval for the downhole commingling of the Amaranth AMG Federal #1 located in Unit B (surface)/Unit K (bottomhole) of Section 12, Township 20 South, Range 30 East, Eddy County.

Should you have any questions, feel free to contact me at (505) 748-1471. Thank you.

Sincerely,

Darrick Stallings
Engineer

DS/th

Enclosures

Application for Downhole Commingling
Amaranth AMG Federal #1
Unit B (surface)/Unit K (bottomhole) Sec. 12-T20S-R30E
Eddy County, New Mexico

Reason for Application: Yates Petroleum Corporation respectfully requests approval to commingle the Atoka and Morrow formations. Our intention is to maximize gas recovery from the Atoka and Morrow and prevent mineral resource waste. The Atoka zones in this area historically are limited in size and deplete rapidly and the Morrow zone in this well appears to be marginally economic. Additional oil and gas will be produced by commingling the two zones because the economic limit, per zone, will be lower with both zones producing together.

1> Name and Address of the Operator:

Yates Petroleum Corporation
105 South Fourth Street
Artesia, NM 88210
ATTN: Darrick Stallings

2> Lease Name, Well Number, Well Location, Name of the Pools to be Commingled:

Amaranth AMG Federal #1
Unit B (surface)/Unit K (BHL), Sec. 12-T20S-R30E
1310'FNL & 2630'FEL (surface), 1541'FSL & 1875'FWL (BHL)
Pools: ~~with~~ Dos Hermanos Atoka **96475**
Dos Hermanos Morrow **76090 GAS**

3> A plat of the area showing the acreage dedicated to the well and the ownership of all offsetting leases.

See Attachment A (map).

4> A current (within 30 days) 24-hour productivity test on Division Form C-116 showing the amount of oil, gas, and water produced from each zone.

See Attachment B (Monthly production summaries).
Morrow capable of approximately 300 MCFD.
Morrow perf interval 12,468'-12,729' MD
Atoka capable of approximately 200 MCFD.
Atoka perf interval 11,889'-12,011' MD.

5> A production decline curve for both zones showing that for a period of at least one year a steady rate of decline has been established for each zone which will permit a reasonable allocation of the commingled production to each zone for statistical purposes. (This requirement may be dispensed within the case of a newly completed or recently completed well which has little or no production history. However, a complete description of treating testing, etc., of each zone, and a prognostication of future production from each zone shall be submitted.)

See Attachment B, Attachment C (Morrow production plot), Attachment D (Atoka P/Z plot).

Morrow: Assume 35%/yr. exponential decline behavior (best engineering estimate).

$$Q_i = 6000 \text{ MCF/Mo.}$$

$$Q_{\text{aban}} = 500 \text{ MCF/Mo.}$$

$$d = 35\%/yr.$$

$$N_{\text{gas}} = 12 \frac{(500-6000)}{\ln(1-.35)} = 153,210 \text{ MCF Morrow gas reserves.}$$

Atoka: $N_{\text{gas}} = 60,000 \text{ MCF}$ from P/Z plot.

- 6> Estimated bottom-hole pressure for each artificially lifted zone. A current (within 30 days) measured bottomhole pressure for each zone capable of flowing.

See Attachment E (BHP reports)

A reasonable estimate of the Morrow BHP is 2720 psig @ 12,579'. A reasonable estimate of the Atoka BHP is 4634 psig @ 11,900'. Please note that the Atoka BHP has fallen 929 psi in one month. The Atoka and Morrow reservoir pressure differential will decrease very rapidly after commingling.

- 7> A description of the fluid characteristics of each zone showing that the fluids will not be incompatible in the well-bore.

Both Atoka and Morrow will produce sweet gas. Don't anticipate any compatibility problems.

- 8> A computation showing that the value of the commingled production will not be less than the sum of the values of the individual streams.

Both Atoka and Morrow will produce sweet gas. The value of the gas will not be affected.

- 9> A formula for the allocation of production to each of the commingled zones and a description of the factors or data used in determining such formula.

Gas:
$$\text{Atoka} - \frac{60,000 \text{ MCF}}{60,000 + 153,210} = .2814 = 28\%$$

$$\text{Morrow} = 72\%$$

Condensate:
$$\text{Atoka} = 28\%$$

$$\text{Morrow} = 72\%$$

- 10> A statement that all offset operators and, in the case of a well on federal land, the US BLM, have been notified in writing of the proposed commingling.

The offset operators for this area and the BLM were notified of the proposed commingling of the Amaranth AMG Federal #1.

ATTACHMENT A

07985
LDS

HACKBERRY

34
MIDLAND & MAP

AACSB

29
MAROON
CLIFFS

DOS HERMANOS

MARTIN YATES, III
1912 - 1985
FRANK W. YATES
1936 - 1986



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 748-1471

S. P. YATES
CHAIRMAN OF THE BOARD
JOHN A. YATES
PRESIDENT
PEYTON YATES
EXECUTIVE VICE PRESIDENT
RANDY G. PATTERSON
SECRETARY
DENNIS G. KINSEY
TREASURER

February 29, 1996

Tim Gum
State of New Mexico
OIL CONSERVATION DIVISION
811 South First Street
Artesia, NM 88210

Dear Mr. Gum,

Enclosed are the necessary documents for obtaining approval for the downhole commingling of the Amaranth AMG Federal #1 located in Unit B (surface)/Unit K (bottomhole) of Section 12, Township 20 South, Range 30 East, Eddy County.

Should you have any questions, feel free to contact me at (505) 748-1471. Thank you.

Sincerely,

Darrick Stallings
Engineer

DS/th

Enclosures

MARTIN YATES, III
1912 - 1985
FRANK W. YATES
1936 - 1986



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 748-1471

S. P. YATES
CHAIRMAN OF THE BOARD
JOHN A. YATES
PRESIDENT
PEYTON YATES
EXECUTIVE VICE PRESIDENT
RANDY G. PATTERSON
SECRETARY
DENNIS G. KINSEY
TREASURER

February 29, 1996

Richard Manus
Bureau of Land Management
P. O. Box 1778
Carlsbad, NM 88220

Dear Mr. Manus:

Enclosed for your information is the data necessary to obtain approval for the downhole commingling of the following well:

Amaranth AMG Federal #1
Unit B (surface)/Unit K (bottomhole) Sec. 12-T20S-R30E
Eddy County, New Mexico
Operator: Yates Petroleum Corporation

This application has been submitted to the NMOCD in Santa Fe and Artesia. If you have any questions, please contact me at 505-748-1471. Thank you.

Sincerely,

Darrick Stallings
Engineer

DS/th

Enclosures

MARTIN YATES, III
1912 - 1985
FRANK W. YATES
1936 - 1986



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 748-1471

S. P. YATES
CHAIRMAN OF THE BOARD
JOHN A. YATES
PRESIDENT
PEYTON YATES
EXECUTIVE VICE PRESIDENT
RANDY G. PATTERSON
SECRETARY
DENNIS G. KINSEY
TREASURER

February 29, 1996

Santa Fe Energy
550 W. Texas
Suite 1330
Midland, TX 79701

Ladies and Gentlemen:

Yates Petroleum Corporation has submitted an application to the NMOCD to downhole commingle the Atoka and Morrow formations in the Amaranth AMG Federal #1 located in Unit B (surface)/Unit K (bottomhole) of Section 12-T20S-R30E. This letter fulfills our requirement to notify offset operators per NMOCD Rule 303 D (10).

Should you have any questions, please feel free to contact me at (505) 748-1471.

Sincerely,

A handwritten signature in cursive script, appearing to read 'D. Stallings'.

Darrick Stallings
Engineer

DS/th

Enclosures

MARTIN YATES, III
1912 - 1985
FRANK W. YATES
1936 - 1986



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 748-1471

S. P. YATES
CHAIRMAN OF THE BOARD
JOHN A. YATES
PRESIDENT
PEYTON YATES
EXECUTIVE VICE PRESIDENT
RANDY G. PATTERSON
SECRETARY
DENNIS G. KINSEY
TREASURER

February 29, 1996

Bass Enterprises
201 Main Street
Suite 3100
Fort Worth, TX 76102-3195

Ladies and Gentlemen:

Yates Petroleum Corporation has submitted an application to the NMOCD to downhole commingle the Atoka and Morrow formations in the Amaranth AMG Federal #1 located in Unit B (surface)/Unit K (bottomhole) of Section 12-T20S-R30E. This letter fulfills our requirement to notify offset operators per NMOCD Rule 303 D (10).

Should you have any questions, please feel free to contact me at (505) 748-1471.

Sincerely,

Darrick Stallings
Engineer

DS/th

Enclosures

ENGR502

INTERNAL PRODUCTION REPORT

PRODUCTION DATE...November, 1995

PAGE 1
13:56:48 2/16/96WELL.....011450-001 S1 GAS
FIELD..... 409 DOS HERMANOS
LOCATION...
PUMPER....

ANAKANTH AND FEDERAL COM. . #1

OPENING STOCK.. 348.25
CLOSING STOCK.. 376.09

DAY	TP	CP	CHOK	METER	ORF	STATIC	DIFF	WATER	OIL	GAS	WATER PULLED	OIL SOLD	REMARKS
01	450/	0	48/64	3,000	.750	590.0	12.0	.00	.00	298			
02	450/	0	48/64	3,000	.750	600.0	14.0	9.00	.00	324			
03	450/	0	48/64	3,000	.750	560.0	12.0	.00	.00	290			
04	450/	0	48/64	3,000	.750	580.0	9.0	.00	.00	256			
05	450/	0	48/64	3,000	.750	580.0	6.0	.00	.00	209			
06	450/	0	48/64	3,000	.750	560.0	7.0	.00	.00	222			
07	450/	0	48/64	3,000	.750	560.0	17.0	.00	.00	345			
08	400/	0	48/64	3,000	.750	560.0	14.0	11.00	.00	313			
09	400/	0	48/64	3,000	.750	530.0	11.0	4.00	.00	270			
10	400/	0	48/64	3,000	.750	550.0	6.0	.00	.00	203			
11	100/	0	48/64	3,000	.750	500.0		.00	.00	0			
12	250/	0	48/64	3,000	.750	540.0	40.0	9.00	11.04	520			
13	250/	0	48/64	3,000	.750	500.0	52.0	.00	.00	570			
14	0/	0	48/64	3,000	.750	480.0	46.0	3.00	2.76	526			
15	0/	0	48/64	3,000	.750	480.0	42.0	.00	.00	502			
16	250/	0	48/64	3,000	.750	480.0	40.0	.00	.00	490			
17	250/	0	48/64	3,000	.750	520.0	34.0	.00	.00	470			
18	0/	0	48/64	3,000	.750	510.0	35.0	.00	.00	472			
19	250/	0	48/64	3,000	.750	520.0	24.0	.00	.00	395			
20	250/	0	48/64	3,000	.750	500.0	20.0	.00	.00	354			
21	250/	0	48/64	3,000	.750	500.0	10.0	.00	.00	250			
22	250/	0	48/64	3,000	.750	500.0	7.0	.00	.00	209			
23	250/	0	48/64	3,000	.750	500.0	6.0	.00	.00	194			
24	250/	0	48/64	3,000	.750	520.0	10.0	.00	.00	255			
25	250/	0	48/64	3,000	.750	520.0	24.0	.00	13.60	395			
26	150/	0	48/64	3,000	.750	500.0	16.0	.00	.00	388			
27	150/	0	48/64	3,000	.750	480.0	12.0	.00	.00	310			
28	150/	0	48/64	3,000	.750	480.0	9.0	.00	.00	263			
29	150/	0	48/64	3,000	.750	460.0	6.0	6.00	.00	228			
30	150/	0	48/64	3,000	.750	460.0	6.0	.00	.00	186			
TOTALS....									42.00	27.60	9707		

PRODUCED 29 DAYS

UNITED STATES DEPARTMENT OF THE INTERIOR

Attachment B
Morrow Production

4

ENR502

INTERNAL PRODUCTION REPORT

PAGE 1
13:56:59 2/16/96

PRODUCTION DATE...December, 1995

WELL.....011450-001 B1 GAS AMARANTH AMG FEDERAL COM. . #1
 FIELD..... 409 DOS HERMANOS
 LOCATION...
 PUMPER....

OPENING STOCK.. 376.09
 CLOSING STOCK.. 376.09

DAY	TP	CP	CHOK	METER	ORF	STATIC	DIFF	WATER	OIL	GAS	WATER PULLED	OIL SOLD	REMARKS
01	150/	0	48/64	3.000	.750	460.0	6.0	.00	.00	186			
02	150/	0	48/64	3.000	.750	450.0	3.0	.00	.00	130			
03	150/	0	48/64	3.000	.750	460.0	2.0	.00	.00	107			
04	07	0	48/64	3.000	.750	450.0	1.0	.00	.00	75			
05	150/	0	48/64	3.000	.750	460.0	1.0	.00	.00	76			
06	150/	0	48/64	3.000	.750	450.0		.00	.00	0			
07	07	0	00/00					.00	.00	0			
08	07	0	00/00					.00	.00	0			
09	07	0	00/00					.00	.00	0			
10	07	0	00/00					.00	.00	0			
11	07	0	00/00					.00	.00	0			
12	07	0	00/00					.00	.00	0			
13	07	0	00/00					.00	.00	0			
14	07	0	00/00					.00	.00	0			
15	07	0	00/00					.00	.00	0			
16	07	0	00/00					.00	.00	0			
17	07	0	00/00					.00	.00	0			
18	07	0	00/00					.00	.00	0			
19	07	0	00/00					.00	.00	0			
20	07	0	00/00					.00	.00	0			
21	07	0	00/00					.00	.00	0			
22	07	0	00/00					.00	.00	0			
23	07	0	00/00					.00	.00	0			
24	07	0	00/00					.00	.00	0			
25	07	0	00/00					.00	.00	0			
26	07	0	00/00					.00	.00	0			
27	07	0	00/00					.00	.00	0			
28	07	0	00/00					.00	.00	0			
29	07	0	00/00					.00	.00	0			
30	07	0	00/00					.00	.00	0			
31	07	0	00/00					.00	.00	0			
TOTALS....									.00	574			
									.00				PRODUCED 5 DAYS

Attachment B
 Morrow Production

3

ENR502

INTERNAL PRODUCTION REPORT

PRODUCTION DATE...January, 1996

PAGE

1

9:02:53 2/16/96

WELL.....011450-001 S2 GAS AMARANTH AMO FEDERAL COM., #1
 FIELD..... 409 DOS HERMANOS
 LOCATION...
 PUMPER....

376.09
 47.43

OPENING STOCK...
 CLOSING STOCK..

DAY	TP	CF	CHOK	METER	ORF	STATIC	DIFF	WATER	OIL	GAS	WATER PULLED	OIL SOLD	REMARKS
01	0/	0	00/00					.00	.00	0			
02	0/	0	00/00					.00	.00	0			
03	1100/	0	16/64	3.000	.750			.00	.00	0			
04	1100/	0	16/64	3.000	.750	600.0	20.0	.00	.00	258			
05	0/	0	00/00					.00	.00	0			
06	0/	0	00/00					.00	.00	0			
07	0/	0	00/00					.00	.00	0			
08	0/	0	00/00					.00	.00	0			
09	0/	0	00/00					.00	.00	0			
10	0/	0	00/00					.00	.00	0			
11	0/	0	00/00					.00	.00	0			
12	0/	0	00/00					.00	.00	0			
13	0/	0	00/00					.00	.00	0			
14	0/	0	00/00					.00	.00	0			
15	0/	0	00/00					.00	.00	0			
16	3700/	0	05/64	3.000	.750			.00	.00	0			
17	1350/	0	05/64	3.000	.750	540.0	50.0	.00	.00	218			
18	350/	0	05/64	3.000	.750	440.0	60.0	.00	.00	191			
19	2900/	0	05/64	3.000	.750	520.0	30.0	.00	.00	37			
20	0/	0	10/64	3.000	.750	520.0	35.0	19.00	5.50	437			
21	570/	0	13/64	3.000	.750	500.0	28.0	3.00	13.80	418			
22	600/	0	13/64	3.000	.750	500.0	22.0	24.00	.00	371			
23	500/	0	13/64	3.000	.750	500.0	20.0	11.00	2.75	354			
24	550/	0	13/64	3.000	.750	500.0	20.0	.00	5.50	295			
25	1650/	0	13/64	3.000	.750	560.0		.00	.00	0			
26	520/	0	13/64	3.000	.750	540.0	14.0	.00	2.76	128		353.95	
27	550/	0	13/64	3.000	.750	500.0	15.0	5.00	2.75	307			
28	500/	0	13/64	3.000	.750	520.0	15.0	.00	.00	313			
29	520/	0	13/64	3.000	.750	490.0	14.0	2.00	.00	293			
30	500/	0	13/64	3.000	.750	520.0	12.0	.00	.00	280			
31	500/	0	13/64	3.000	.750	480.0	13.0	.00	5.52	280			
TOTALS...								64.00	38.58	4180		353.95	PRODUCED 15 DAYS

Attachment B
 Atoka Production

2

ENGR502

INTERNAL PRODUCTION REPORT

PRODUCTION DATE...February, 1996

PAGE 1
8:27:25 2/26/96

WELL.....011450-001 S2 GAS AMARANTH AMG FEDERAL COM. #1 OPENING STOCK.. 47.43
 FIELD..... 409 DOS HERMANOS CLOSING STOCK.. .00
 LOCATION..
 PUMPER....

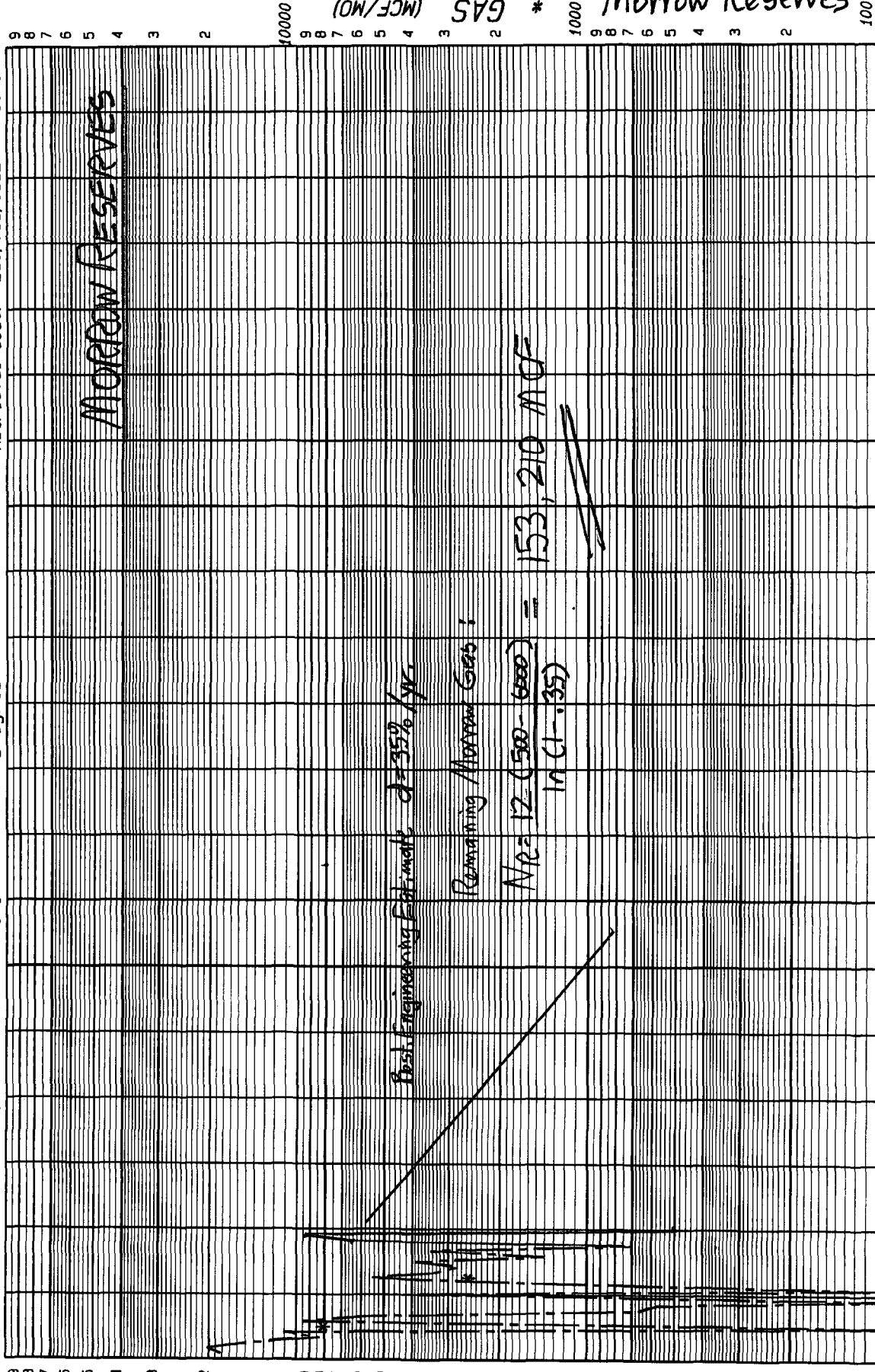
DAY	TP	CP	CHOK	METER	ORF	STATIC	DIFF	WATER	OIL	GAS	WATER	OIL	REMARKS
01	500/	0	13/64	3.000	.750	440.0		.00	.00	0			
02	600/	0	13/64	3.000	.750	550.0	4.0	.00	.00	83			
03	0/	0	13/64	3.000	.750	500.0	10.0	.00	.00	250			
04	520/	0	13/64	3.000	.750	520.0	10.0	.00	.00	255			
05	0/	0	13/64	3.000	.750	520.0	8.0	.00	.00	228			
06	0/	0	13/64	3.000	.750	530.0	8.0	.00	.00	230			
07	520/	0	13/64	3.000	.750	540.0	8.0	30.00	11.04	233			
08	520/	0	13/64	3.000	.500	550.0	38.0	.00	.00	227			
09	520/	0	13/64	3.000	.500	530.0	40.0	19.00	.00	229			
10	520/	0	13/64	3.000	.500	580.0	33.0	.00	.00	217			
11	520/	0	13/64	3.000	.500	580.0	32.0	.00	.00	214			
12	520/	0	13/64	3.000	.500	580.0	33.0	.00	.00	217			
13	520/	0	13/64	3.000	.500	570.0	30.0	.00	.00	205			
14	520/	0	13/64	3.000	.500	595.0	30.0	3.00	.00	210			
15	590/	0	13/64	3.000	.500	600.0	28.0	.00	.00	203			
16	600/	0	13/64	3.000	.500	580.0	30.0	.00	5.50	207			
17	520/	0	13/64	3.000	.500	540.0	34.0	.00	.00	213			
18	525/	0	13/64	3.000	.500	520.0	34.0	.00	.00	209			
19	1700/	0	13/64	3.000	.500	510.0	35.0	.00	.00	209			
20	0/	0	00/00					.00	.00	0			
21	0/	0	00/00					.00	.00	0			
22	0/	0	00/00					.00	.00	0			
23	0/	0	00/00					.00	.00	0			
24	0/	0	00/00					.00	.00	0			
25	0/	0	00/00					.00	.00	0			
26	0/	0	00/00					.00	.00	0			
27	0/	0	00/00					.00	.00	0			
28	0/	0	00/00					.00	.00	0			
29	0/	0	00/00					.00	.00	0			
TOTALS.....								52.00	16.54	3839			PRODUCED 18 DAYS

OWNER RECEIVING REPORTS

Attachment B
Atoka Production

Attachment C

Lease: AMARANTH AMG FED COM Retrieval Code: 250, 015, 0152737576076 100000



County: EDDY State: NM
 Field: DOS HERMANOS NE (MORROW) PM
 Reservoir: MORROW
 Operator: YATES PETROLEUM CORP
 Oil Cum: 714 Gas Cum: 116176
 Location: 12E 20S 30E

F.P. Date 01-94

Date: 02-16-96

Amaranth AMG Fed. 1
Sep. 12-206-30e
P/Z Reserves Atoka
2-26-96

Date	BHP	Z	P/Z	Gp
1-16-96	5578	1.04	5363	0
2-20-96	4649	0.97	4793	8.0 MMCF

GWT = 170°F. 630°R $p_c = 671 \text{ psia}$
Gas Grav. = 0.6 $t_c = 357^\circ\text{R}$ $t_v = \frac{630}{357} = 1.76$

$p = 5578$, $p_r = 5578/671 = 8.31$, $Z = 1.04$
 $p = 4649$, $p_r = 4649/671 = 6.93$, $Z = 0.97$

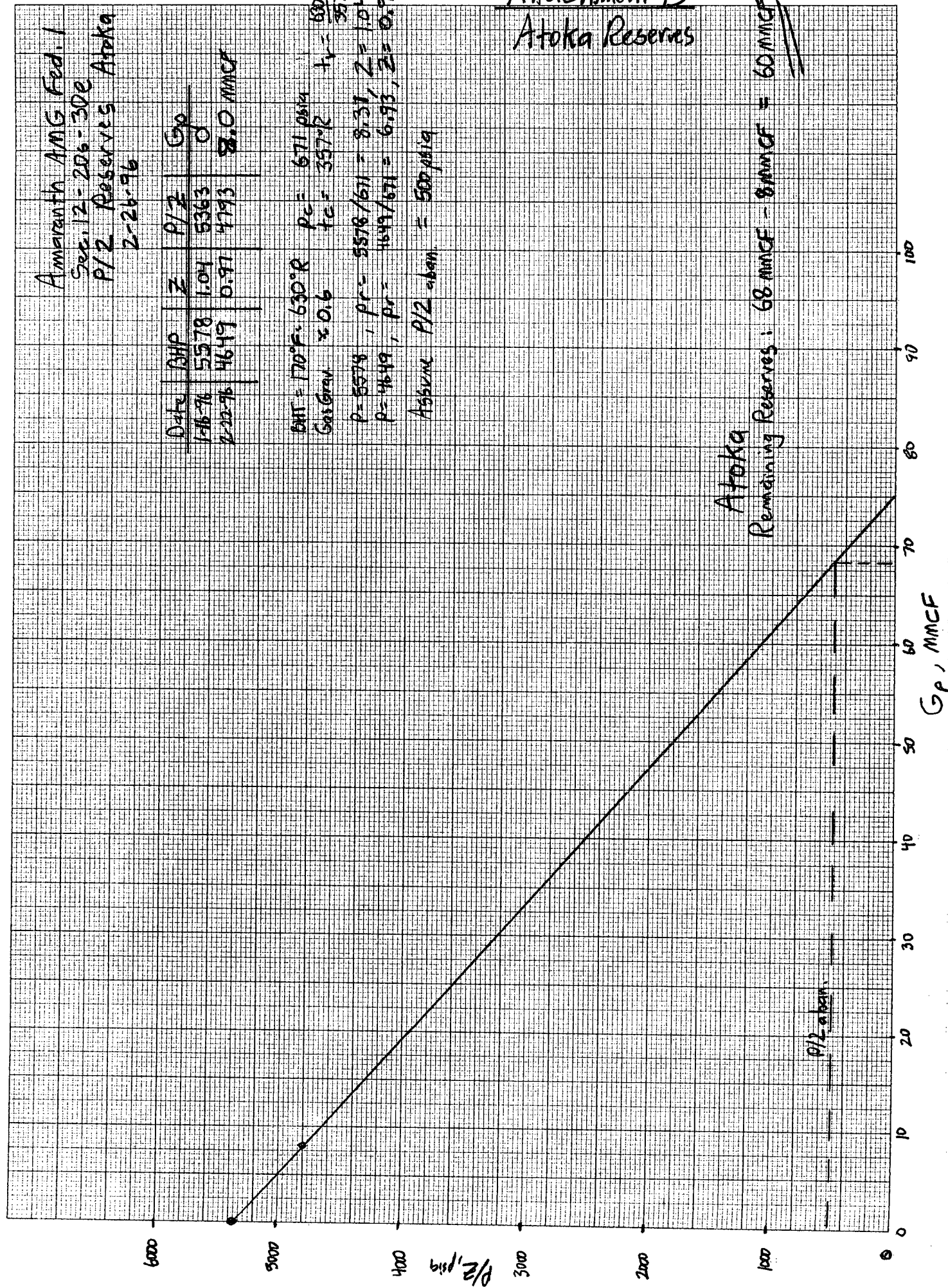
Assume P/Z abn. = 500 psia

Attachment D Atoka Reserves

Atoka

Remaining Reserves: 68 MMCF - 8 MMCF = 60 MMCF

Gp, MMCF



JARREL SERVICES, INC.
Box 1230
Hobbs, New Mexico 88240

Attachment E
Morrow BHP

<<Static Gradient Survey>>

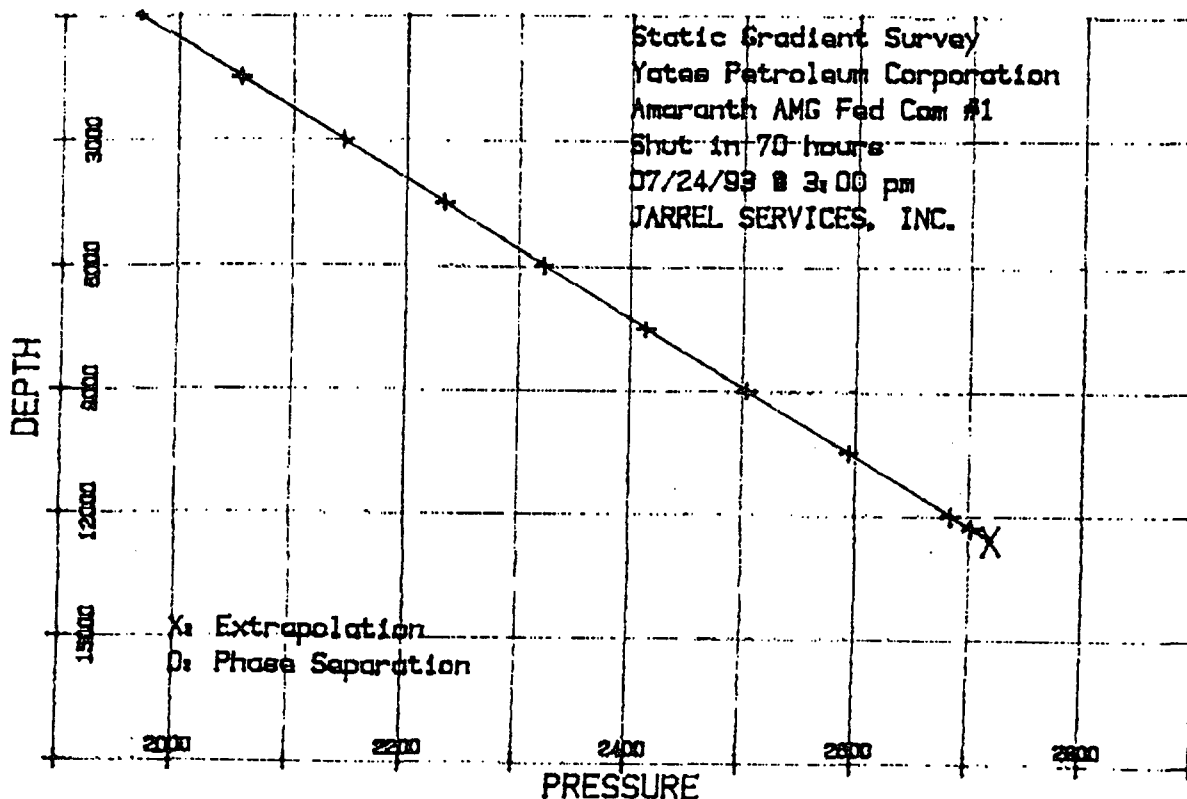
COMPANY: Yates Petroleum Corporation
LEASE: Amaranth AMG Fed Com
FIELD: Undesignated
COUNTY: Eddy
STATUS: Shut in 70 hours
PERFORATIONS FROM: 12589 ft
DEPTH: 12300 ft

Date: 07/24/93 @ 3:00 pm
CONTACT: Ed Perry
WELL: #1
ZONE: Morrow
STATE: New Mexico
OPERATOR: Standefer
TO: 12569 ft
TEMPERATURE: 179°F

TABULAR DATA

DEPTH (ft)	PRESSURE (psi)	GRADIENT (psi/ft)	EXPLANATIONS
0	1967		
1500	2055	0.059	
3000	2145	0.060	
4500	2234	0.059	
6000	2323	0.059	
7500	2414	0.061	
9000	2504	0.060	
10500	2595	0.061	
12000	2685	0.060	
12300	2703	0.060	
12579	2720	0.060	<=Extrapolated BHP

NOTE: Explanations are included to clarify calculated data points.



JARREL SERVICES, INC.
Box 1230
Hobbs, New Mexico 88240

Attachment E
Original Atoka BHP

<<Static Gradient Survey>>

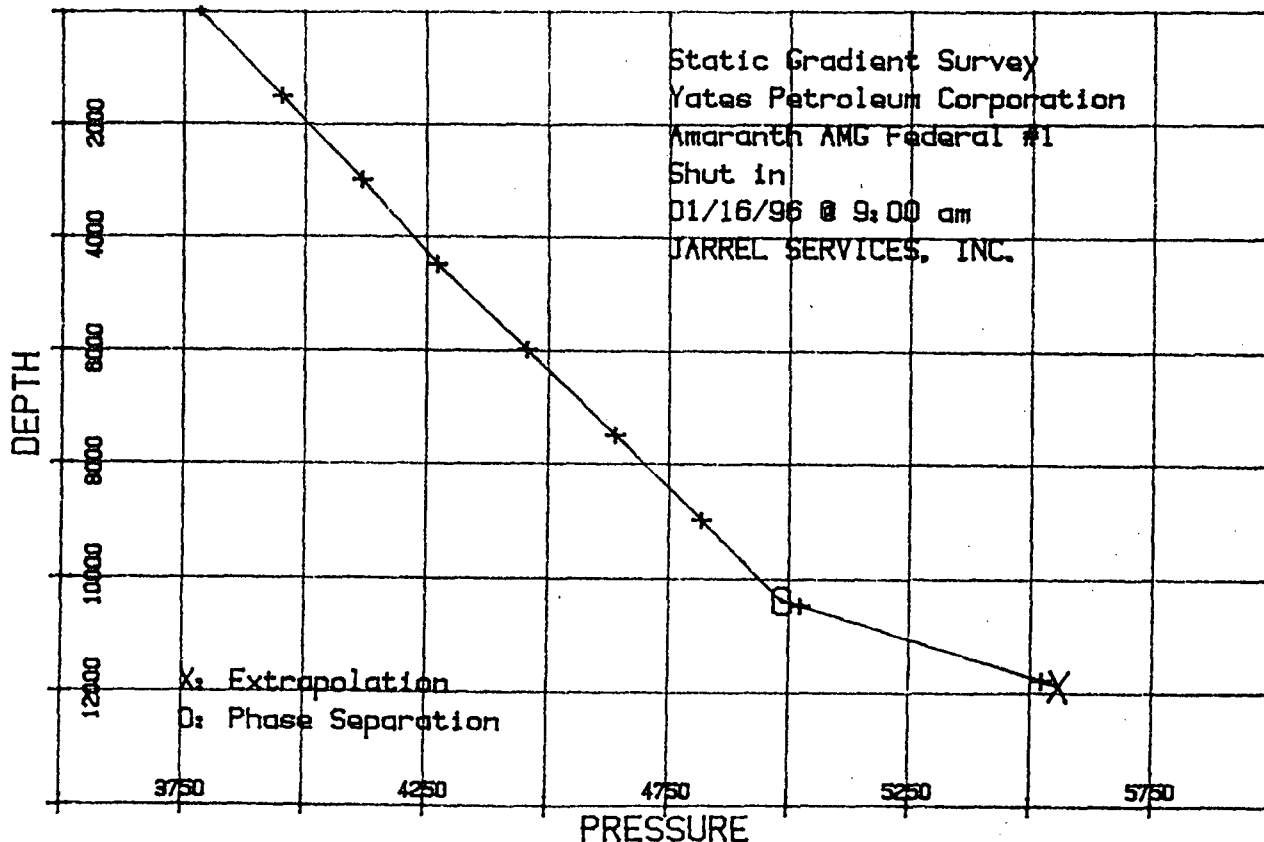
COMPANY: Yates Petroleum Corporation
LEASE: Amaranth AMG Federal
FIELD: Undesignated
COUNTY: Eddy
STATUS: Shut in
PERFORATIONS FROM: 11889 ft
DEPTH: 11800 ft

Date: 01/16/96 @ 9:00 am
CONTACT: Mike Allen
WELL: #1
ZONE: Atoka Sand
STATE: New Mexico
OPERATOR: Harrah
TD: 11891 ft
TEMPERATURE: 170°F

TABULAR DATA

DEPTH (ft)	PRESSURE (psi)	GRADIENT (psi/ft)	EXPLANATIONS
0	3783		
1500	3952	0.113	
3000	4117	0.110	
4500	4272	0.103	
6000	4457	0.123	
7500	4638	0.121	
9000	4818	0.120	
10402	4986	0.120	<=Phase separation
10500	5024	0.385	
11800	5524	0.385	
11890	5559	0.385	<=Extrapolated BHP

NOTE: Explanations are included to clarify calculated data points.



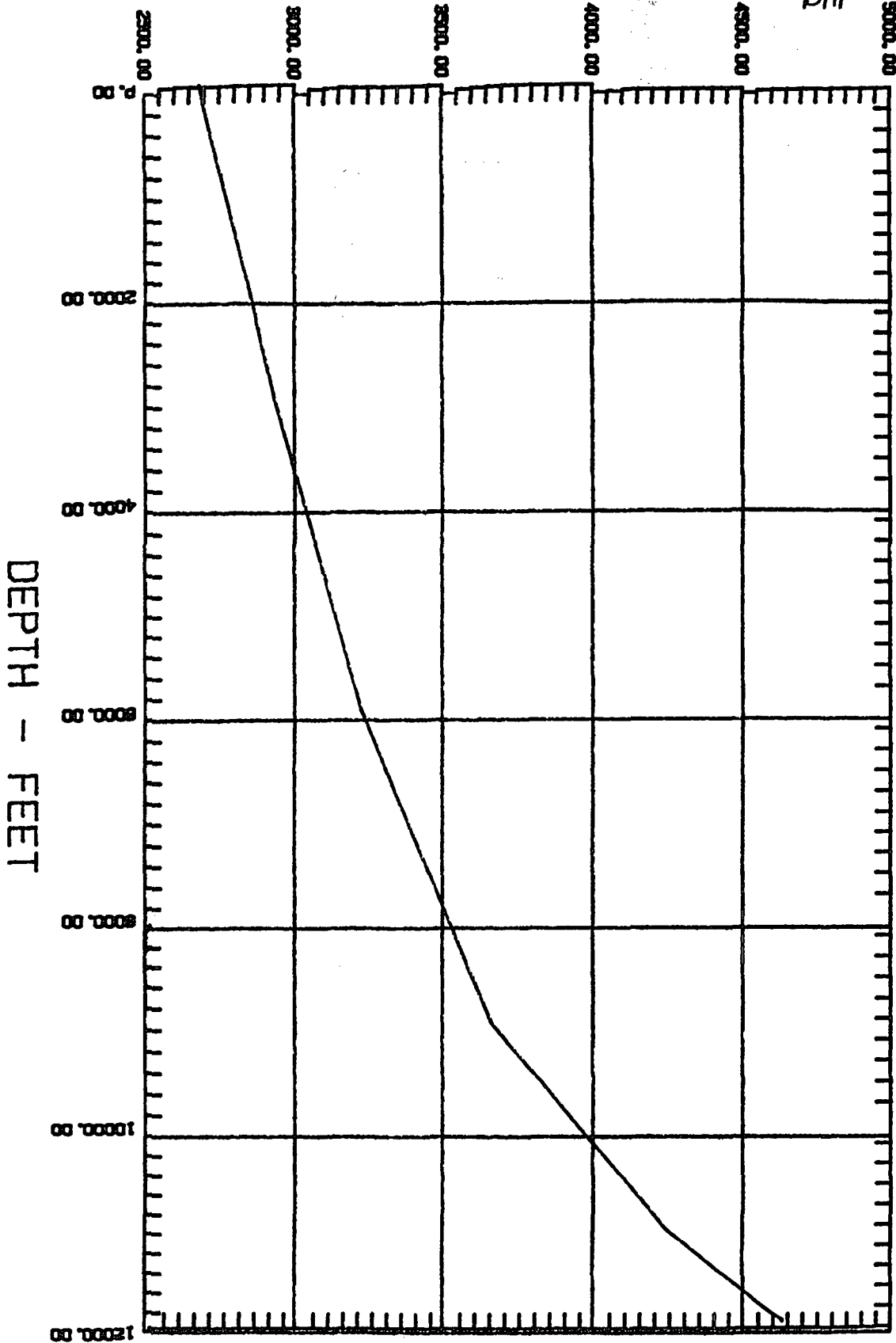
Attachment E

PRESSURE - PSIG ^{Current Atoka}
BHP

Plot starting date: 2/22/96
Time: 3:35: 0
Gauge S/N 18323

Company: YATES PETROLEUM CORP
Client: DAVID WEAVER
Well name: AMARANTH AWC
Well #: #1
Test #: 1

Location
Operator: L. MOSSBARGER/KELTIC SERVICES
Comments: STATIC BHP TEST



Attachment E
Current Atoka BHP

PAGE START DATE: 2/22/96

GAUGE S/N: 18323

DATA FILE: 1

TIME	DELTA TIME HRS	DEPTH FEET	DEFLECTION IN	PRESSURE PSIG	COMMENTS
3:35: 0	0.000	0.00	0.6180	2682.07	GRAIDENTS
3:38: 9	0.052	3000.00	0.6760	2932.36	.084
3:41:10	0.103	6000.00	0.7440	3224.97	.098
3:53:29	0.308	9000.00	0.8460	3663.77	.147
4: 0:45	0.429	11000.00	0.9800	4239.87	.288
4: 2:12	0.453	11700.00	1.0500	4539.57	.428
4: 3: 3	0.467	11900.00	1.0720	4634.07	.473