

DHC 1295 6/3/96

Southern

Rockies

Business

Unit

May 7, 1996

Mr. William J. LeMay, Director
New Mexico Oil Conservation Division
2040 S. Pacheco Street
P. O. Box 6429
Santa Fe, NM 87505

**Application for Exception to Rule 303-C - Downhole Commingling
Johnston LS #8 Well
Unit G Section 17-T28N-R9W
Aztec Pictured Cliffs and Blanco Mesaverde Pools
San Juan County, New Mexico**

Enclosed please find an administrative application form (C-107-A) and attachments for downhole commingling for the captioned well. By copy of this application by certified mail, return receipt requested, Amoco is notifying all offset operators in the formations captioned above as well as all affected interest owners if the ownership of those formations is not common. The Division Director may approve the proposed downhole commingling in the absence of a valid objection from any offset operator or any interest owner in those instances where ownership is not common in the zones to be commingled within 20 days after the receipt of the application if, in his opinion, waste will not result thereby, and correlative rights will not be violated.

Should there be questions concerning this matter, please contact me at (303) 830-5344.

Sincerely,

Pamela W. Staley

Enclosures

cc: Steve Webb
Gail Jefferson
Wellfile
Proration File
Frank Chavez, Supervisor
NMOCD District III
1000 Rio Brazos Road
Aztec, NM 87410

Duane Spencer
Bureau of Land Management
1235 La Plata Hwy.
Farmington, NM 87401

Amoco Production Company		P.O. Box 800 Denver, CO 80201	
Operator Johnston LS	8	Address G-17-28N-9W	San Juan
Lease	Well No.	Unit Ltr. - Sec Twp - Rge	County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 000778 Property Code 000755 API NO. 3004507484 Federal ☒ State (and/or) Fee

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	AZTEC PICTURED CLIFFS 71280		BLANCO MESAVERDE 72319
2. Top and Bottom of Pay Section (Perforations)	2154' - 2198'		4055' - 4610'
3. Type of production (Oil or Gas)	GAS		GAS
4. Method of Production (Flowing or Artificial Lift)	FLOWING		FLOWING
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated or Measured Original	a. (Current) 330 PSI b. (Original) 800 PSI	a. b.	a. 596 PSI b. 1218 PSI
6. Oil Gravity (* API) or Gas BTU Content	1144 BTU		1283 BTU
7. Producing or Shut-In?	PRODUCING		PRODUCING
Production Marginal? (yes or no)	YES		YES
• If Shut-In, give data and oil/gas/water rates of last production Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data • If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: Rates:	Date: Rates:	Date: Rates:
	4/96 17 MCFD 0 BCPD 0 BWPD		4/96 17 MCFD .04 BCPD 0 BWPD
8. Fixed Percentage Allocation Formula -% for each zone	Oil: 0 % Gas 50 %	Oil: % Gas %	Oil: 100 % Gas 50 %

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.
10. Are all working, overriding, and royalty interests identical in all commingled zones?
If not, have all working, overriding, and royalty interests been notified by certified mail?
Have all offset operators been given written notice of the proposed downhole commingling?

☒ Yes ☐ No
☐ Yes ☐ No
☒ Yes ☐ No
11. Will cross-flow occur? ☐ Yes ☒ No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. ☐ Yes ☐ No (If No, attach explanation)
12. Are all produced fluids from all commingled zones compatible with each other? ☒ Yes ☐ No
13. Will the value of production be decreased by commingling? ☐ Yes ☒ No (If Yes, attach explanation)
14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. ☒ Yes ☐ No NM-04202
15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S).
16. ATTACHMENTS:
 - * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
 - * Production curve for each zone for at least one year. (If not available, attach explanation.)
 - * For zones with no production history, estimated production rates and supporting data.
 - * Data to support allocation method or formula.
 - * Notification list of all offset operators.
 - * Notification list of working, overriding, and royalty interests for uncommon interest cases.
 - * Any additional statements, data, or documents required to support commingling.

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

SIGNATURE		TITLE	REGULATORY AFFAIRS REP	DATE	5/7/96
TYPE OR PRINT NAME	PAMELA W. STALEY	TELEPHONE NO. (303)	830-5344		

WELL LOCATION AND/OR GAS PRODUCTION PLAT

DATE APRIL 29, 1957

OPERATOR EL PASO NATURAL GAS COMPANY OF JOHNSTON NM 04202

WELL NO. 8 (PM) SECTION 17 TOWNSHIP 28-N RANGE 9-W DEGREE

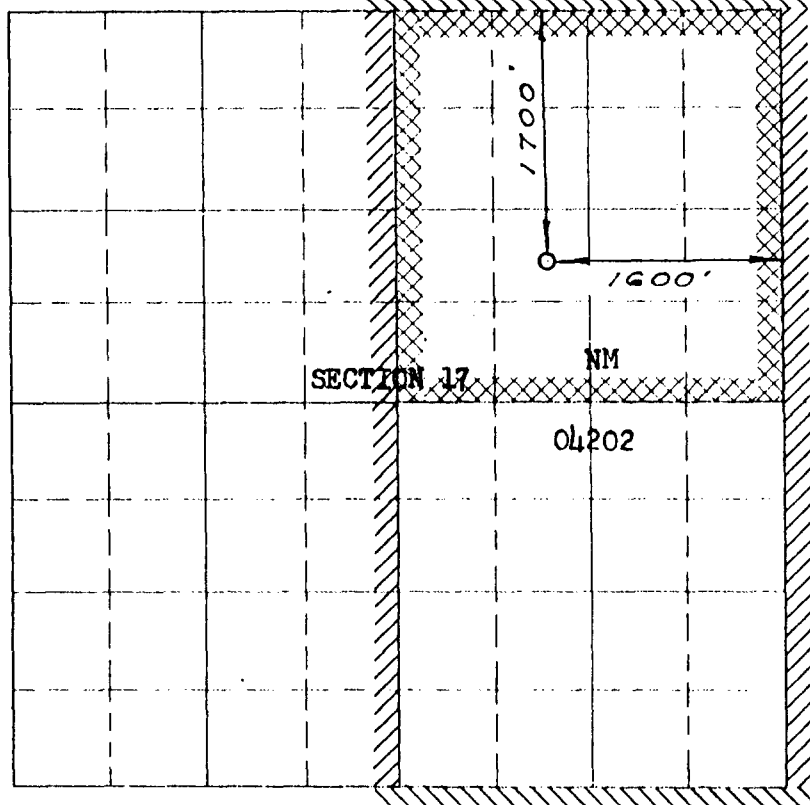
LOCATED 1700 FEET FROM NORTH LINE 1600 FEET FROM EAST LINE

SAN JUAN

5878

NAME OF PROPERTY(IES) P.C. & M.V. AZTEC P.C. 160 ACRES P.C.
BLANCO M.V. 320 ACRES M.V.
(1919 PLAT)

Note: All distances must be from outer boundaries of section.



Scale: 1 inch = 1 mile

MAY 7 1957
RECORDED
FARMINGTON, NEW MEXICO

NOTE

This section of
form is to be used
for gas wells only

This is to certify that the above plat was prepared from
field notes of actual surveys made by me or under my
supervision and that the same are true and correct to the
best of my knowledge and belief.

Date Surveyed JANUARY 21, 1957

D. C. Johnson
Registered Professional Engineer and/or Land Surveyor

1. Is this well a Dual Comp.
Yes X No _____
2. If the answer to Question 1
is yes, are there any other dually
completed wells within the
dedicated acreage.
Yes _____ No X

Name Original Signed D. C. Johnson

Position Petroleum Engineer

Representing El Paso Natural Gas

Address Box 997, Farmington, N.M.

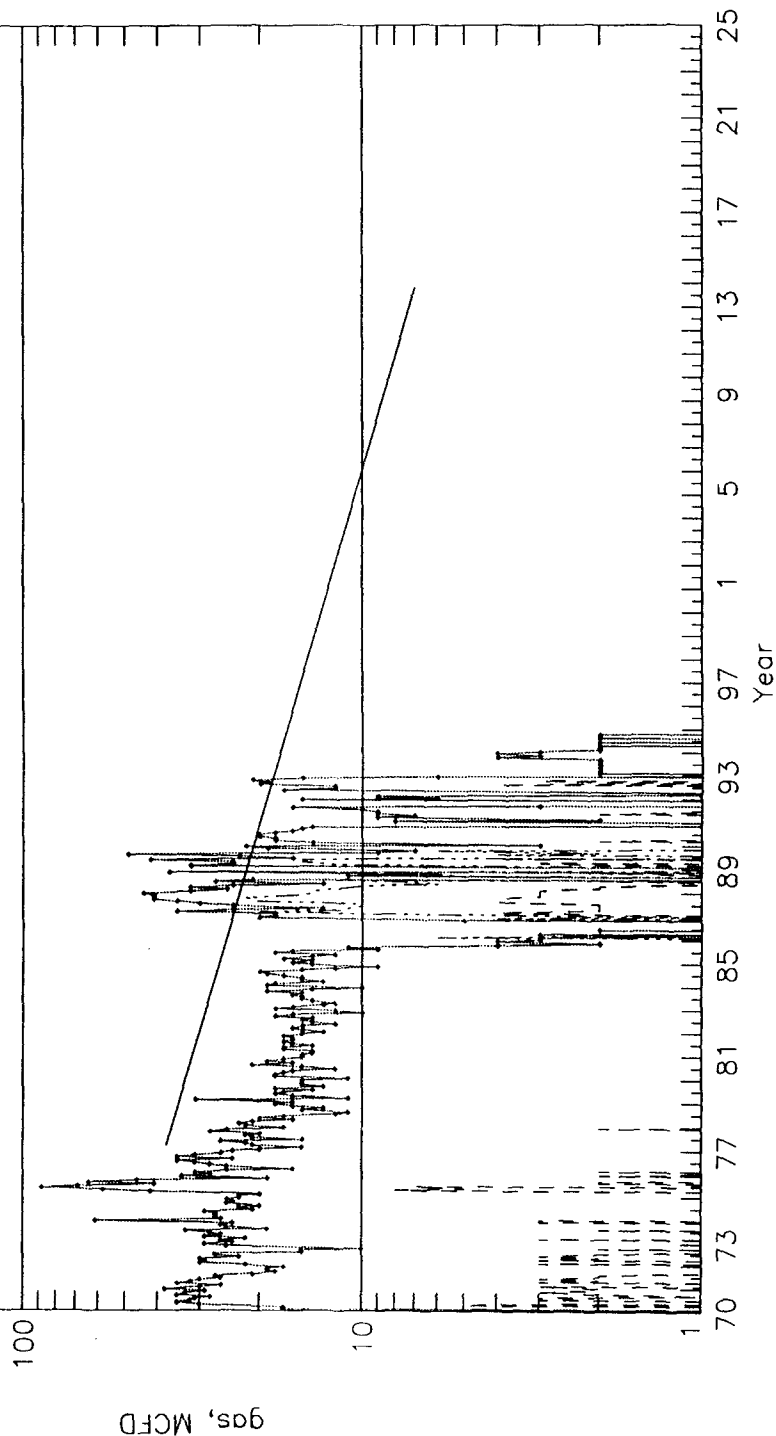
(Seal)

For: zalc14
Engr: zrar06

JOHNSTON LS 8 Operator— AMOCO PRODUCTION CO

300450748400MV G172809—008 MV APC_WI — 0.500000000

CumG_70 —	146133
CumO_70 —	14857
CumGAS —	311432
CumOIL —	21328



Last Op. Forecast by zrar06 in 04/1996

Well Production Summary Report

Well: JOHNSTON LS 008-PC

Report Date: 5/3/96

Flac: 97857801

Foreman: MARK RUSSELL

Meter: 71864

Pumper: DICK ECKSTEIN

PipeLine: 604605

Kind: GAS WELLS EXCEPT CO2

Date	MCF	MCFD	Down Time	Tubing Press	Casing Press	Line Press	ADP	Temp	Flow Mtr Prod.	Last Mod.
Jan 01, 96	17	17	0.0	146	143	144	39	35		1/9/96
FLOWING										09:01:00
Jan 02, 96	25	25	0.0	135	131	137	41	34		1/9/96
FLOWING										09:01:00
Jan 03, 96	22	22	0.0	136	125	137	39	32		1/9/96
FLOWING										09:01:00
Jan 04, 96	21	21	0.0	134	130	137	37	38		1/9/96
FLOWING										09:01:00
Jan 05, 96	23	23	0.0	134	137	139	37	35		1/9/96
FLOWING										09:01:00
Jan 06, 96	20	20	0.0	133	138	136	31	36		1/9/96
FLOWING										09:01:00
Jan 07, 96	22	22	0.0	130	137	134	30	36		1/9/96
FLOWING										09:01:00
Jan 08, 96	17	17	0.0	131	139	133	23	36		1/9/96
FLOWING										09:01:00
Jan 09, 96	20	20	0.0	134	140	137	30	37		1/10/96
FLOWING										06:02:00
Jan 10, 96	18	18	0.0	136	141	122	36	39		1/11/96
FLOWING										06:02:00
Jan 11, 96	17	17	0.0	126	139	122	28	36		1/12/96
FLOWING										08:11:00
Jan 12, 96	22	22	0.0	125	137	127	33	40		1/13/96
FLOWING										06:10:00
Jan 13, 96	18	18	0.0	125	139	126	26	40		1/14/96
FLOWING										06:02:00
Jan 14, 96	20	20	0.0	126	139	128	28	37		1/15/96
FLOWING										06:02:00
Jan 15, 96	20	20	0.0	125	139	126	28	37		1/16/96
FLOWING										06:04:00
Jan 16, 96	19	19	0.0	128	140	128	29	42		1/17/96
FLOWING										06:03:00
Jan 17, 96	21	21	0.0	123	138	125	29	37		1/18/96
FLOWING										06:04:00
Jan 18, 96	19	19	0.0	122	138	121	27	31		1/19/96
FLOWING										06:06:00
Jan 19, 96	19	19	0.0	121	139	121	29	33		1/24/96
FLOWING										06:04:00
Jan 20, 96	20	20	0.0	121	139	122	27	35		1/24/96
FLOWING										06:04:00
Jan 21, 96	18	18	0.0	123	139	121	28	35		1/24/96
FLOWING										06:04:00
Jan 22, 96	20	20	0.0	119	138	120	28	35		1/24/96
FLOWING										06:04:00
Jan 23, 96	18	18	0.0	122	139	121	25	31		1/24/96
FLOWING										06:04:00
Jan 24, 96	16	16	0.0	137	142	127	31	39		1/25/96
FLOWING										06:03:00
Jan 25, 96	11	11	0.0	144	149	133	28	26		2/6/96
FLOWING										06:08:00
Jan 26, 96	21	21	0.0	137	140	127	40	29		2/6/96
FLOWING										06:08:00
Jan 27, 96	20	20	0.0	129	137	125	33	32		2/6/96
FLOWING										06:08:00
Jan 28, 96	19	19	0.0	125	138	127	25	36		2/6/96
FLOWING										06:08:00
Jan 29, 96	19	19	0.0	125	137	127	29	35		2/6/96
FLOWING										06:08:00
Jan 30, 96	18	18	0.0	134	141	133	31	40		2/6/96
FLOWING										11:10:00
Jan 31, 96	19	19	0.0	130	140	130	29	39		2/6/96
FLOWING										11:21:00
Feb 01, 96	20	20	0.0	127	139	128	30	37		2/6/96
FLOWING										11:35:00
Feb 02, 96	18	18	0.0	131	140	127	32	35		2/6/96
FLOWING										11:58:00
Total:	1,354	17	0.0	121	140	120	30	42	0	

Well Production Summary Report

Well: JOHNSTON LS 008-PC

Report Date: 5/3/96

Flac: 97857801

Foreman: MARK RUSSELL

Meter: 71864

Pumper: DICK ECKSTEIN

PipeLine: 604605

Kind: GAS WELLS EXCEPT CO2

Date	MCF	MCFD	Down Time	Tubing Press	Casing Press	Line Press	ADP	Temp	Flow Mtr Prod.	Last Mod.
Feb 03, 96 FLOWING	20	20	0.0	124	136	124	29	31		2/6/96 11:58:00
Feb 04, 96 FLOWING	20	20	0.0	119	137	119	30	34		2/6/96 11:58:00
Feb 05, 96 FLOWING	16	16	0.0	128	141	124	26	41		2/6/96 11:58:00
Feb 06, 96 FLOWING	20	20	0.0	126	140	126	30	43		2/7/96 06:03:00
Feb 07, 96 FLOWING	19	19	0.0	120	139	120	28	41		2/8/96 06:05:00
Feb 08, 96 FLOWING	19	19	0.0	119	140	117	31	43		2/9/96 06:03:00
Feb 09, 96 FLOWING	19	19	0.0	119	140	117	29	45		2/17/96 06:08:00
Feb 10, 96 FLOWING	18	18	0.0	120	140	117	30	46		2/17/96 06:08:00
Feb 11, 96 FLOWING	20	20	0.0	116	140	115	30	47		2/17/96 06:08:00
Feb 12, 96 FLOWING	9	9	0.0	139	148	126	7	44		2/17/96 06:08:00
Feb 13, 96 FLOWING	8	8	0.0	150	153	137	12	51		2/17/96 06:08:00
Feb 14, 96 FLOWING	24	24	0.0	127	138	117	42	47		2/17/96 06:08:00
Feb 15, 96 FLOWING	18	18	0.0	117	140	114	30	49		2/17/96 06:08:00
Feb 16, 96 FLOWING	20	20	0.0	113	141	113	29	48		2/17/96 06:08:00
Feb 17, 96 FLOWING	19	19	0.0	114	141	112	30	50		2/18/96 06:02:00
Feb 18, 96 FLOWING	19	19	0.0	119	141	114	33	50		2/19/96 06:04:00
Feb 19, 96 FLOWING	20	20	0.0	112	140	111	31	48		2/20/96 06:03:00
Feb 20, 96 SI - OTHER REASONS	9	9	0.0	112	140	111	31	48		3/11/96 14:30:00
Feb 21, 96 SI - OTHER REASONS	0	0	0.0	112	140	111	31	48		3/11/96 14:30:00
Feb 22, 96 SI - OTHER REASONS	0	0	0.0	112	140	111	31	48		3/11/96 14:30:00
Feb 23, 96 SI - OTHER REASONS	0	0	0.0	112	140	111	31	48		3/11/96 14:30:00
Feb 24, 96 SI - OTHER REASONS	0	0	0.0	112	140	111	31	48		3/11/96 14:30:00
Feb 25, 96 SI - OTHER REASONS	0	0	0.0	112	140	111	31	48		3/11/96 14:30:00
Feb 26, 96 SI - OTHER REASONS	0	0	0.0	112	140	111	31	48		3/11/96 14:30:00
Feb 27, 96 SI - OTHER REASONS	0	0	0.0	112	140	111	31	48		3/11/96 14:30:00
Feb 28, 96 SI - OTHER REASONS	0	0	0.0	112	140	111	31	48		3/11/96 14:30:00
Feb 29, 96 SI - OTHER REASONS	0	0	0.0	112	140	111	31	48		3/11/96 14:30:00
Mar 01, 96 SI - OTHER REASONS	0	0	0.0	112	140	111	31	48		3/11/96 14:30:00
Mar 02, 96 SI - OTHER REASONS	20	20	0.0	112	140	111	31	48		3/11/96 14:30:00
Mar 03, 96 SI - OTHER REASONS	20	20	0.0	112	140	111	31	48		3/11/96 14:30:00
Mar 04, 96 SI - OTHER REASONS	20	20	0.0	112	140	111	31	48		3/11/96 14:30:00
Mar 05, 96 SI - OTHER REASONS	20	20	0.0	112	140	111	31	48		3/15/96 11:21:00
Mar 06, 96 SI - OTHER REASONS	20	20	0.0	112	140	111	31	48		3/15/96 11:21:00
Total:	1,354	17	0.0	121	140	120	30	42	0	

Well Production Summary Report

Well: JOHNSTON LS 008-PC

Report Date: 5/3/96

Flac: 97857801

Foreman: MARK RUSSELL

Meter: 71864

Pumper: DICK ECKSTEIN

PipeLine: 604605

Kind: GAS WELLS EXCEPT CO2

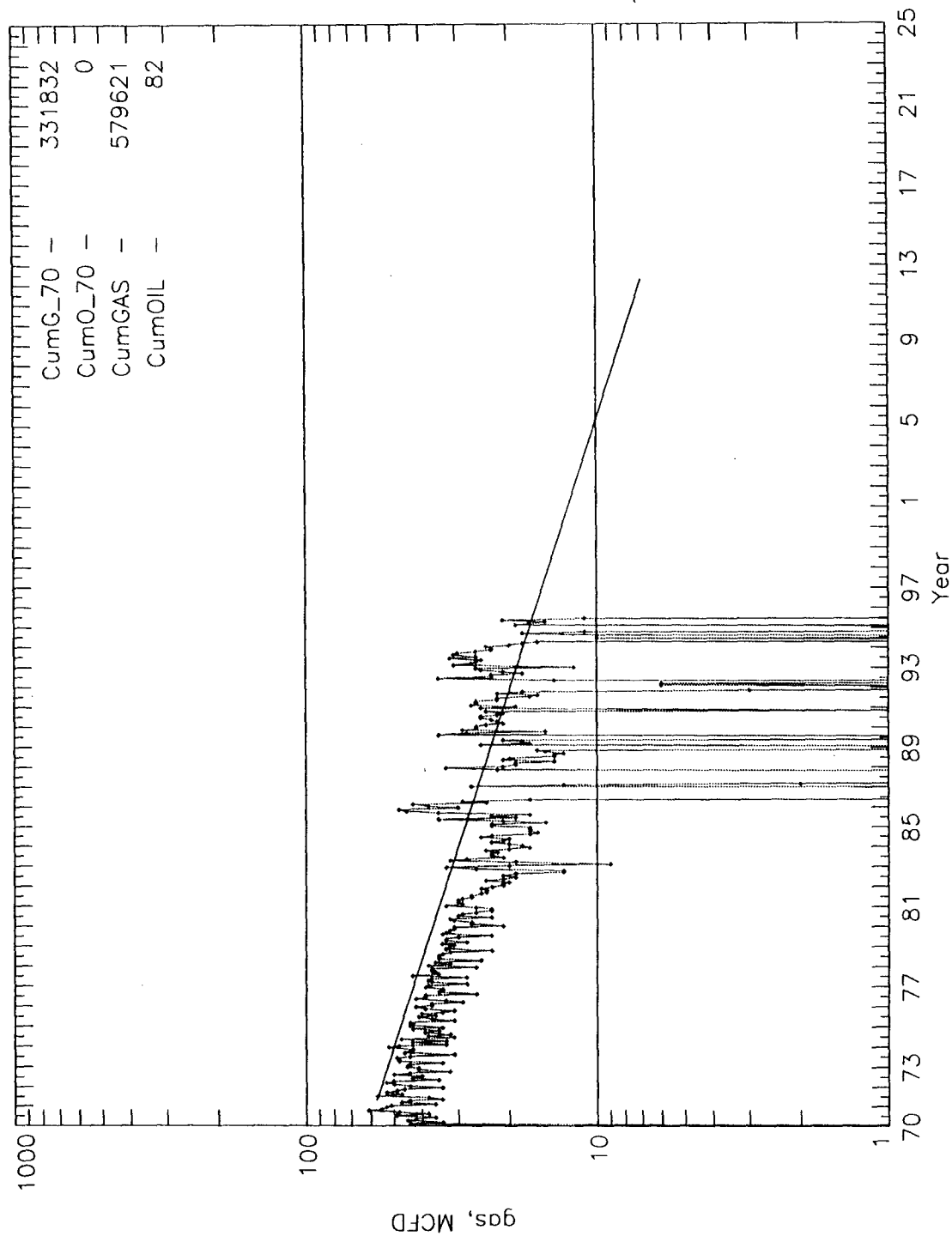
Date	MCF	MCFD	Down Time	Tubing Press	Casing Press	Line Press	ADP	Temp	Flow Mtr Prod.	Last Mod.
Mar 07, 96	20	20	0.0	112	140	111	31	48		3/15/96 11:21:00
SI - OTHER REASONS										
Mar 08, 96	20	20	0.0	112	140	111	31	48		3/15/96 11:21:00
SI - OTHER REASONS										
Mar 09, 96	20	20	0.0	112	140	111	31	48		3/15/96 11:21:00
SI - OTHER REASONS										
Mar 10, 96	20	20	0.0	112	140	111	31	48		3/15/96 11:21:00
SI - OTHER REASONS										
Mar 11, 96	20	20	0.0	112	140	111	31	48		3/15/96 11:21:00
SI - OTHER REASONS										
Mar 12, 96	20	20	0.0	112	140	111	31	48		3/15/96 11:21:00
SI - OTHER REASONS										
Mar 13, 96	20	20	0.0	112	140	111	31	48		3/15/96 11:21:00
SI - OTHER REASONS										
Mar 14, 96	20	20	0.0	112	140	111	31	48		3/15/96 11:21:00
SI - OTHER REASONS										
Mar 15, 96	20	20	0.0	112	140	111	31	48		3/16/96 06:03:00
SI - OTHER REASONS										
Mar 16, 96	20	20	0.0	112	140	111	31	48		3/17/96 06:03:00
SI - OTHER REASONS										
Mar 17, 96	20	20	0.0	112	140	111	31	48		3/18/96 06:04:00
SI - OTHER REASONS										
Mar 18, 96	20	20	0.0	112	140	111	31	48		3/19/96 11:13:00
SI - OTHER REASONS										
Mar 19, 96	20	20	0.0	112	140	111	31	48		3/20/96 10:02:00
SI - OTHER REASONS										
Mar 20, 96	20	20	0.0	112	140	111	31	48		3/21/96 06:48:00
SI - OTHER REASONS										
Mar 21, 96	20	20	0.0	112	140	111	31	48		3/22/96 07:17:00
SI - OTHER REASONS										

Total:	1,354	17	0.0	121	140	120	30	42	0
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For: zalc14
Engr: zrar06

JOHNSTON LS 8 Operator- AMOCO PRODUCTION CO

300450748400PC G172809-008 PC APC_WI - 0.50000000



OFFSET OPERATORS
Johnston LS #8

Meridian Oil, Inc.
P.O. Box 4289
Farmington, NM 87499