



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

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

COMMINGLING ORDER PC-831

Amoco Production Company
P.O. Box 800
Denver, CO 80201

Attention: J.W. Hawkins

LEASE NAME: *Case "B" Well No. 4-A*

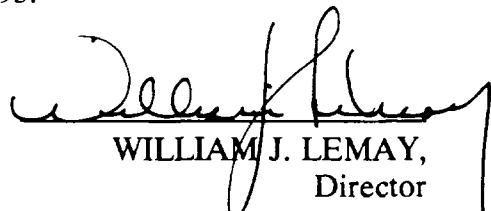
DESCRIPTION: *Blanco Mesaverde: E/2 and, Blanco Pictured Cliffs: NE/4 of Section 18, Township 31 North, Range 11 West, San Juan County, New Mexico.*

The above-named company is hereby authorized to commingle Blanco Mesaverde and Blanco Pictured Cliffs Pool production in a common separator and meter run, and to determine the production from each pool by well tests to be conducted on a bi-annual basis. (All commingled production must be of marginal nature; further, the operator shall notify the Santa Fe office of the Division in the event any well in the commingled battery becomes capable of top allowable production, at which time the Division will amend this order or take such other action as may be appropriate.

FURTHER: The operator shall notify the Aztec District Office of the Division upon implementation of the commingling process.

NOTE: This installation shall be installed and operated in accordance with the applicable provisions of Rule 303 of the Division Rules and Regulations and the Division "Manual for the Installation and Operation of Commingling Facilities." It is the responsibility of the producer to notify the transporter of this commingling authority.

DONE at Santa Fe, New Mexico, on this 1st day of September, 1993.


WILLIAM J. LEMAY,
Director

cc: Oil Conservation Division- Hobbs
US Bureau of Land Management - Farmington (Attention: John Keller)



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DIVISION
JUL 15 1993

July 8, 1993

Mr. William J. LeMay, Director
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504

Amoco Production Company

Southern Rockies Business Unit
Amoco Building
1670 Broadway
Post Office Box 800
Denver, Colorado 80201
303-830-4040

File: CAW-169-986.511

Application for Exception to Rule 303-A
Surface Commingle Production from Dual Wells

Case B-1A Well, Section 5, T31N-R11W
Case B-4A Well, Section 18, T31N-R11W
Case B-6A Well, Section 5, T31N-R11W
Fields A-4A Well, Section 2, T32N-R11W
Fields A-7A Well, Section 34, T32N-R11W
Moore LS-5A Well, Section 24, T32N-R12W
Mudge B-1A Well, Section 21, T31N-R11W
Mudge B-3A Well, Section 9, T31N-R11W
Mudge A-5A Well, Section 3, T31N-R11W
Mudge B-12A Well, Section 17, T31N-R11W
Mudge B-14A Well, Section 21, T31N-R11W
Mudge B-15A Well, Section 8, T31N-R11W
Neil A-2A Well, Section 15, T31N-R11W
Neil A-6A Well, Section 33, T32N-R11W
Neil A-7A Well, Section 33, T32N-R11W
Neil A-9A Well, Section 4, T31N-R11W

San Juan County, New Mexico

Amoco Production Company hereby requests administrative approval from the Division Director for an exception to Rule 303-A to permit surface commingling of the production at each individual well site for each of the above referenced dually completed wells.

The surface commingling of the production from these wells will allow the use of a single train of production equipment for each dual well to reduce overall operating cost and allow a single compressor to be used to increase production from both formations. The actual commercial value of the commingled production will not be less than the sum of the values of the production from each common source of supply.

Each of these dually completed wells has common ownership (WI, RI, ORRI) and a common Lease for the horizons which are proposed for surface commingling. We plan to allocate production back to each formation on the basis of annual well tests. A copy of this application is being sent to the Bureau of Land Management for their review and concurrence.

William J. LeMay, Director
July 8, 1993
Page 2

Attached to aid in your review of this application is:

1. Plat showing location of wells where production will be surface commingled and other wells in immediate area.
2. Table of well information by lease including formations to be commingled, well location and ownership.
3. Schematic diagram of the proposed installation.
4. Summary of recent production data and proration status.
5. Historical production graph for each well.

If additional information is required please contact me at (303) 830-5072.

Sincerely,

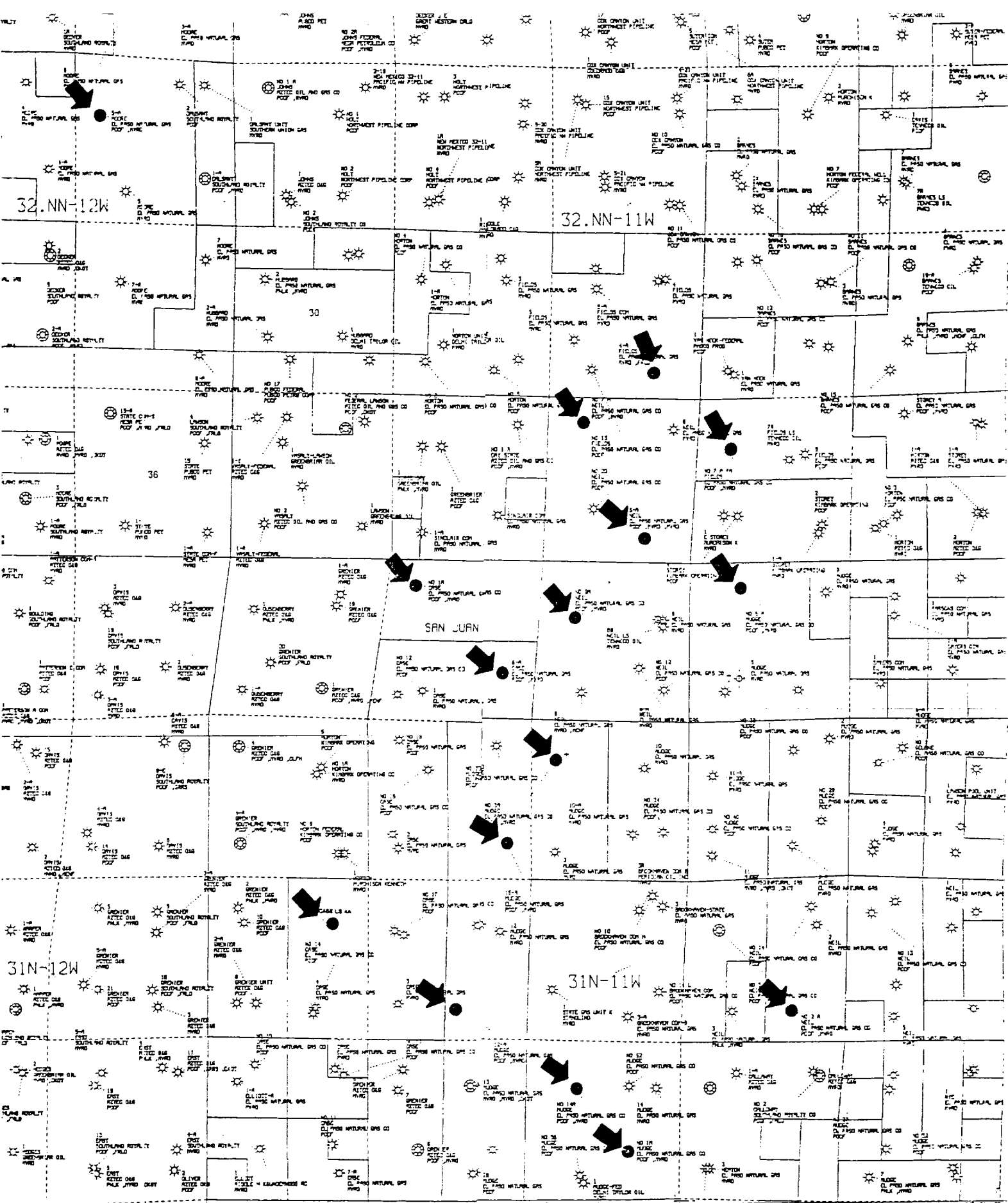
A handwritten signature in cursive script, reading "JW Hawkins".

J. W. Hawkins

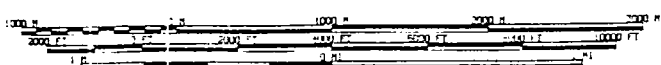
JWH/jmc

cc: Paul Edwards

Bureau of Land Management
1235 La Plata Hwy.
Farmington, NM 87499
Attn: John Keller



data, including the interpretation
the private and confidential property
No publication or reproduction thereof
by a Company is strictly prohibited.



COMMINGLE CANDIDATES



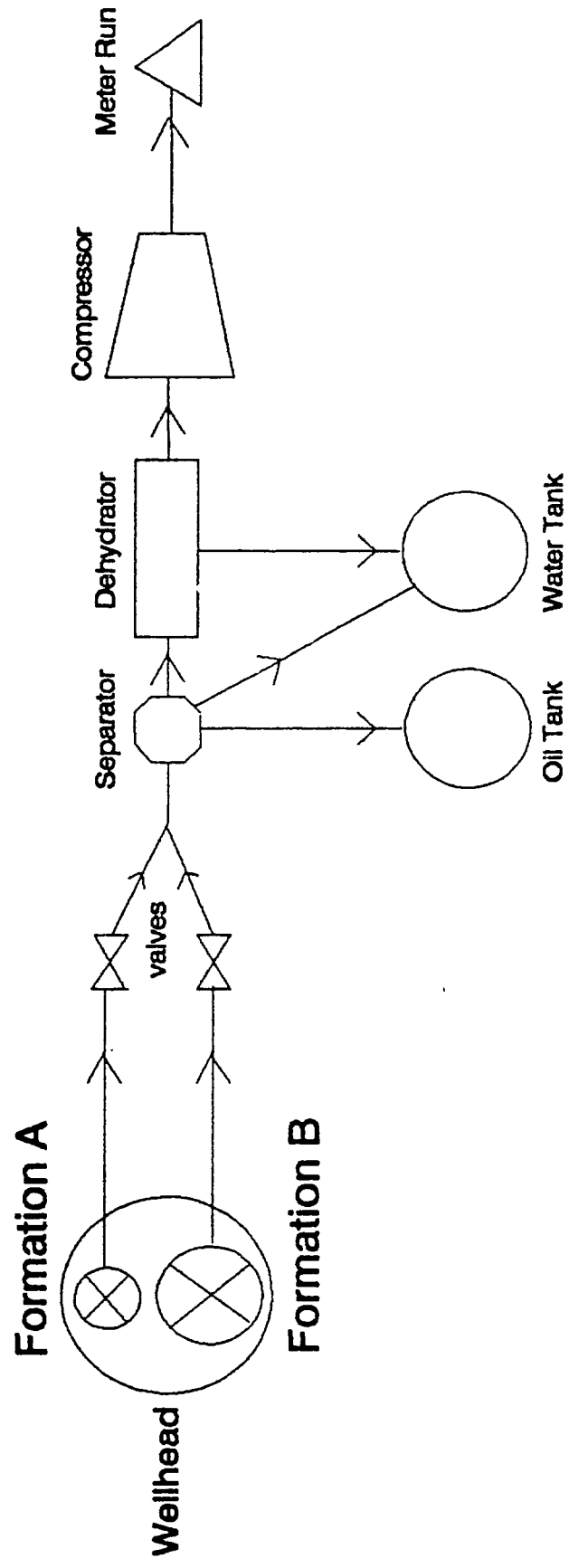
AMOCO PRODUCTION COMPANY
PLAT MAP
DUAL WELLS FOR SURFACE COMMINGLE
NELSON / EDWARDS

FLACWELL NAME	FM	WELL ID	WT OWNER	NRI	OVERRIDING ROYALTY	ORI	ROYALTY INTEREST	RI
FLAC: 698813								
PROPERTY NAME: CASE B/								
Case B 1A	MV	D053111-001A	AMOCO PRODUCTION COMPANY P O BOX 591	0.347500	BEAMON, R.E. III SUITE 470	0.0006250	MINERALS MANAGEMENT SERVICE	0.125000
Case B 1A	PC	D053111-001A	TULSA, OK, 74102-0581		THREE RIVERWAY HOUSTON, TX, 77056-1942		ROYALTY MANAGEMENT PROGRAM	
Case B 4A	MV	H183111-004A					PO BOX 5810 TA DENVER, CO, 80217-5810	
Case B 4A	PC	H183111-004A	CONOCO INC	0.347500	BUCHENAU, HARRIET P O BOX 867585	0.0006260		
Case B 6A	MV	D053111-006A	P O BOX 951063		PLANO, TX, 75086-7585			
Case B 6A	PC	D053111-006A	DALLAS, TX, 75395-1063					
					CAREY, WILLIAM J C/O NORTH-PARK NATIONAL BANK	0.0250000		
					ACCT #20-4949-2 PO BOX 12206			
					DALLAS, TX, 75225-0206			
					CROSS TIMBERS OIL COMPANY L P P O BOX 840287	0.0750000		
					DALLAS, TX, 75284-0287			
					REMITTANCES ONLY			
					GRIFFITH, RICHARD 2704 20TH STREET	0.0006260		
					LUBBOCK, TX, 79410-1511			
					HENDERSON, DORIS C BOBBY NELSON ATTORNEY IN FACT	0.0012500		
					P O BOX 835780			
					RICHARDSON, TX, 75083-5780			
					HORTON, PAUL B AND SUSAN D C/O MCCALL PARKHURST AND HORTON	0.0025000		
					900 MAXUS ENERGY TOWER 717 NORTH HARWOOD SUITE 900			
					DALLAS, TX, 75201-6587			
					LUNDELL, PATTIE BEAMON 1616 SOUTH VOSS #870	0.0006250		
					HOUSTON, TX, 77057-2626			
					MIMS, SARAH S, TRUST WILLIAM MADSEN AND SARAH S MIMS	0.0006240		
					COTRUSTEES P O BOX 111846			
					CARROLLTON, TX, 75011-1846			
					SCHULTZ, FRANK A, TRUSTEE LINCOLN PLAZA SUITE 2160 LB-1	0.0500000		
					500 NORTH AKARD STREET DALLAS, TX, 75201-3520			
					UNION OIL COMPANY OF CALIFORNIA P O BOX 4691	0.0225000		
					HOUSTON, TX, 77210-4691			
					WATFORD, GLADYS, TRUST GLADYS WATFORD, TRUSTEE	0.0006240		
					ELEVEN GREENWAY PLAZA SUITE 2608 HOUSTON, TX, 77046-1105			
				0.695000		0.1800000		0.125000 1.000000

FLACWELL NAME	FM WELL ID	W/OWNER	NRI	OVERRIDING ROYALTY	OHI	ROYALTY INTEREST	RI
FLAC: 698831 PROPERTY NAME: FIELDS /A/		AMOCO PRODUCTION COMPANY P O BOX 591	0.347500	CROSS TIMBERS OIL COMPANY L P P O BOX 840287	0.0750000	MINERAL'S MANAGEMENT SERVICE ROYALTY MANAGEMENT PROGRAM	0.125000
Fields A 4A	MV 0283211-004A	TULSA, OK, 74102-0591		DALLAS, TX, 75284-0287		PO BOX 5810 7A	
Fields A 4A	FS 0283211-004A			REMITTANCES ONLY		DENVER, CO, 80217-5810	
Fields A 7A	MV E343211-007A						
Fields A 7A	PC E343211-007A	CONOCO INC P O BOX 961063	0.347500	SCHULIZ, FRANK A, TRUSTEE LINCOLN PLAZA SUITE 2160 LB-1	0.0500000		
		DALLAS, TX, 75395-1063		500 NORTH AKARD STREET DALLAS, TX, 75201-3320			
				UNION OIL COMPANY OF CALIFORNIA P O BOX 4691	0.0231240		
				HOUSTON, TX, 77210-4691			
				LUNDELL, PATTIE BEAMON 1616 SOUTH VOSS #670	0.0006240		
				HOUSTON, TX, 77057-2626			
				BEAMON, R E, III SUITE 470	0.0006240		
				THREE RIVERWAY HOUSTON, TX, 77056-1942			
				LANFORD, GLORIA WYNNE 248 SUGARBERRY CIRCLE	0.0006260		
				HOUSTON, TX, 77024-7246			
				HORTON, PAUL B AND SUSAN D C/O MCCALL PARKHURST AND HORTON	0.0025000		
				900 MAXUS ENERGY TOWER 717 NORTH HARWOOD SUITE 900			
				DALLAS, TX, 75201-6587			
				HENDERSON, DORIS C BOBBY MELSON ATTORNEY IN FACT	0.0012500		
				P O BOX 835780			
				RICHARDSON, TX, 75083-5780			
				BUCHENAU, HARRIET P O BOX 867585	0.0006260		
				PLANO, TX, 75086-7585			
				MIMS, SARAH S, TRUST WILLIAM L MADSEN AND SARAH S MIMS	0.0006260		
				COTRUSTEES P O BOX 111846			
				CARROLLTON, TX, 75011-1846			
				CAREY, WILLIAM J C/O NORTH PARK NATIONAL BANK	0.0250000		
				ACCT #20-4949-2 PO BOX 12206			
				DALLAS, TX, 75225-0206			
			0.5955000		0.1800000		0.125000 1.000000

FLACWELL NAME	FM WELL ID	W/ OWNER	NRI	OVERRIDING ROYALTY	ORI	ROYALTY INTEREST	RI
FLAC: 688881		AMOCO PRODUCTION COMPANY	0.347500	CROSS TIMBERS OIL COMPANY L P	0.0750000	MINERAL S MANAGEMENT SERVICE	0.125000
PROPERTY NAME: MOORE /D/		P O BOX 591		DALLAS, TX, 75284-0287		P O BOX 5810 TA	
Moore LS 5A	MV E243212-005A	TULSA, OK, 74102-0591		REMITTANCES ONLY		DENVER, CO, 80217-5810	
Moore LS 5A	PC E243212-005A						
		CONOCO INC	0.347500	SCHULTZ, FRANK A, TRUSTEE	0.05000000		
		P O BOX 951063		LINCOLN PLAZA SUITE 2160 LB-1			
		DALLAS, TX, 75385-1063		500 NORTH AKARD STREET			
				DALLAS, TX, 75201-3320			
				GRIFFITH, RICHARD	0.0006240		
				2704 20TH STREET			
				LUBBOCK, TX, 79410-1511			
				UNION OIL COMPANY OF CALIFORNIA	0.0225000		
				P O BOX 4691			
				HOUSTON, TX, 77210-4691			
				LUNDELL, PATTIE DEAMON	0.0003120		
				1616 SOUTH VOSS #870			
				HOUSTON, TX, 77057-2828			
				BEAMON, R E, III	0.0003120		
				SUITE 470			
				THREE RIVERWAY			
				HOUSTON, TX, 77056-1942			
				WATFORD, GLADYS, TRUST	0.0008280		
				GLADYS WATFORD, TRUSTEE			
				ELEVEN GREENWAY PLAZA SUITE 2608			
				HOUSTON, TX, 77046-1105			
				JOHNSON, W R	0.0006260		
				10610 S EVERS PARK DR			
				HOUSTON, TX, 77024-5528			
				HORTON, PAUL B AND SUSAN D	0.0025000		
				C/O MCCALL PARKHURST AND HORTON			
				900 MAXUS ENERGY TOWER			
				717 NORTH HARWOOD SUITE 900			
				DALLAS, TX, 75201-6587			
				HENDERSON, DORIS C	0.0012500		
				BOBBY MELSON ATTORNEY IN FACT			
				P O BOX 835780			
				RICHARDSON, TX, 75083-5780			
				BUCHENAU, HARRIET	0.0006240		
				P O BOX 887585			
				PLANO, TX, 75086-7585			
				MIMS, SARAH S, TRUST	0.0006260		
				WILLIAM L MADSEN AND SARAH S MIMS			
				COTRUSTEES			
				P O BOX 111846			
				CARROLLTON, TX, 75011-1846			
				CAREY, WILLIAM J	0.0250000		
				C/O NORTH PARK NATIONAL BANK			
				ACCT #20-4949-2			
				PO BOX 12206			
				DALLAS, TX, 75225-0206			
			0.695000		0.1800000		0.125000
							1.000000

SURFACE COMMINGLE LOCATION DIAGRAM



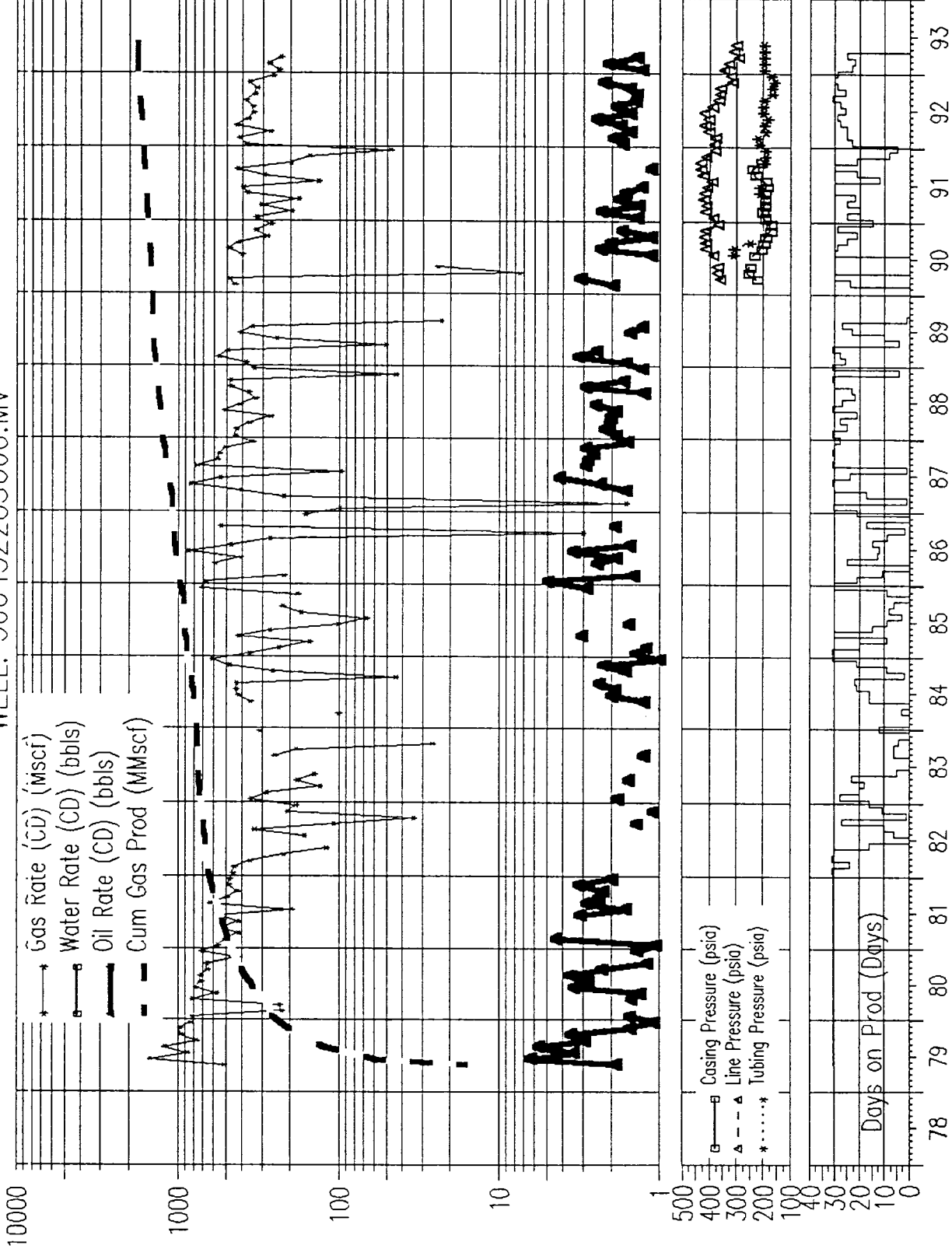
PRODUCTION SUMMARY PRORATION STATUS

WEL_NAME	FM	AVG	AVG	PRORATION	COMMENTS
		MO GAS FOR 92	MO OIL FOR 92		
Case B 1A	MV	10783	52	Non Marginal	as of 3/92 - 2X over production limit
Case B 1A	PC	1134	0		
Case B 4A	MV	3117	14	Marginal	
Case B 4A	PC	626	0		
Case B 6A	MV	992	0	Marginal	
Case B 6A	PC	1005	0		
Fields A 4A	MV	16423	22	Non Marginal	as of 3/92 no over production
Fields A 4A	FS	511	0		
Fields A 7A	MV	14055	25	Marginal	
Fields A 7A	PC	407	0		
Moore LS 5A	MV	7167	25	Non Marginal	as of 3/92 no over production
Moore LS 5A	PC	847	0		
Mudge B 1A	MV	2914	22	Marginal	
Mudge B 1A	PC	177	0		
Mudge B 3A	MV	856	6	Marginal	
Mudge B 3A	PC	980	0		
Mudge A 5A	MV	18626	45	Non Marginal	as of 3/92 no over production
Mudge A 5A	PC	1500	0		
Mudge B 12A	MV	3794	3	Marginal	
Mudge B 12A	PC	462	0		
Mudge B 14A	MV	6709	28	Marginal	
Mudge B 14A	PC	234	0		
Mudge B 15A	MV	238	0	Marginal	
Mudge B 15A	PC	1643	0		
Neil A 2A	MV	2568	4	Marginal	
Neil A 2A	PC	681	0		
Neil A 6A	MV	13442	62	Non Marginal	as of 3/92 less than 1X over production limit
Neil A 6A	PC	1721	0		
Neil A 7A	MV	19555	80	Non Marginal	as of 3/92 less than 1X over production limit
Neil A 7A	PC	1400	0		
Neil A 9A	MV	11731	45	Marginal	
Neil A 9A	PC	1443	0		

CASE LS 1A [001A] CDATE: 790110

FOREMAN : 1367 PJAC : 1298

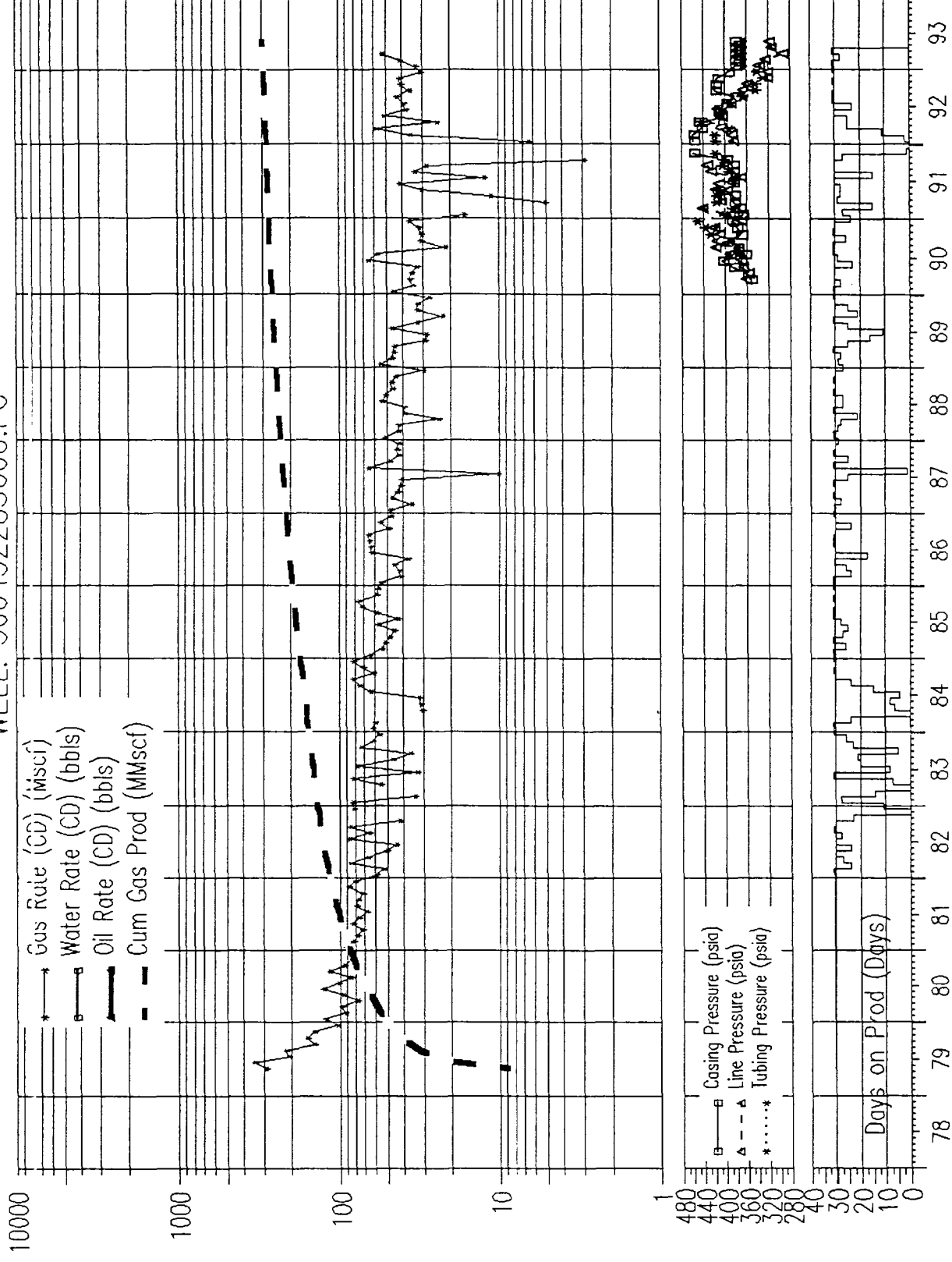
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CASE LS 1A [001A] CDATE: 790110

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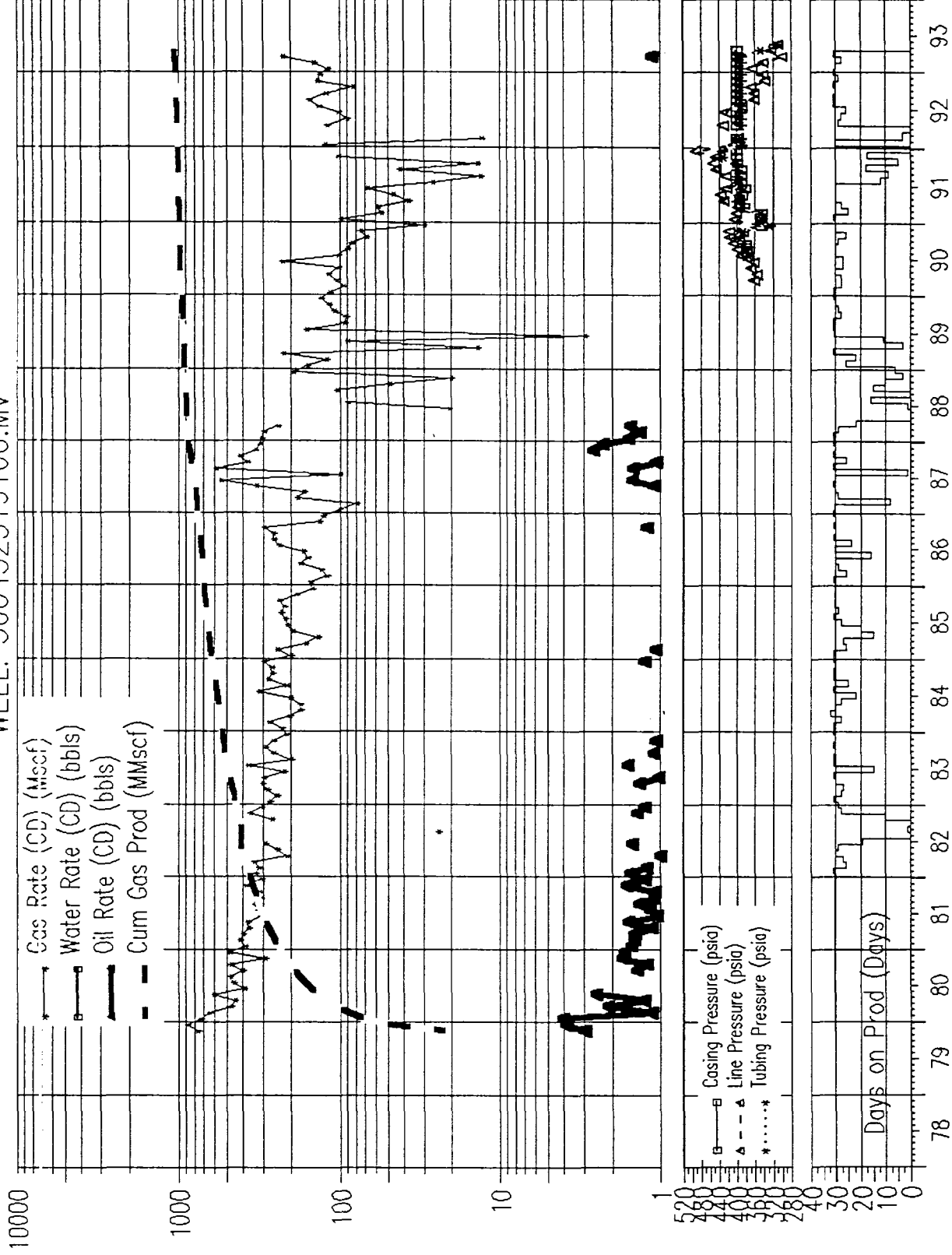
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CASE B 4A CDATE: 790917

FOREMAN : 1367 PJAC : 1325

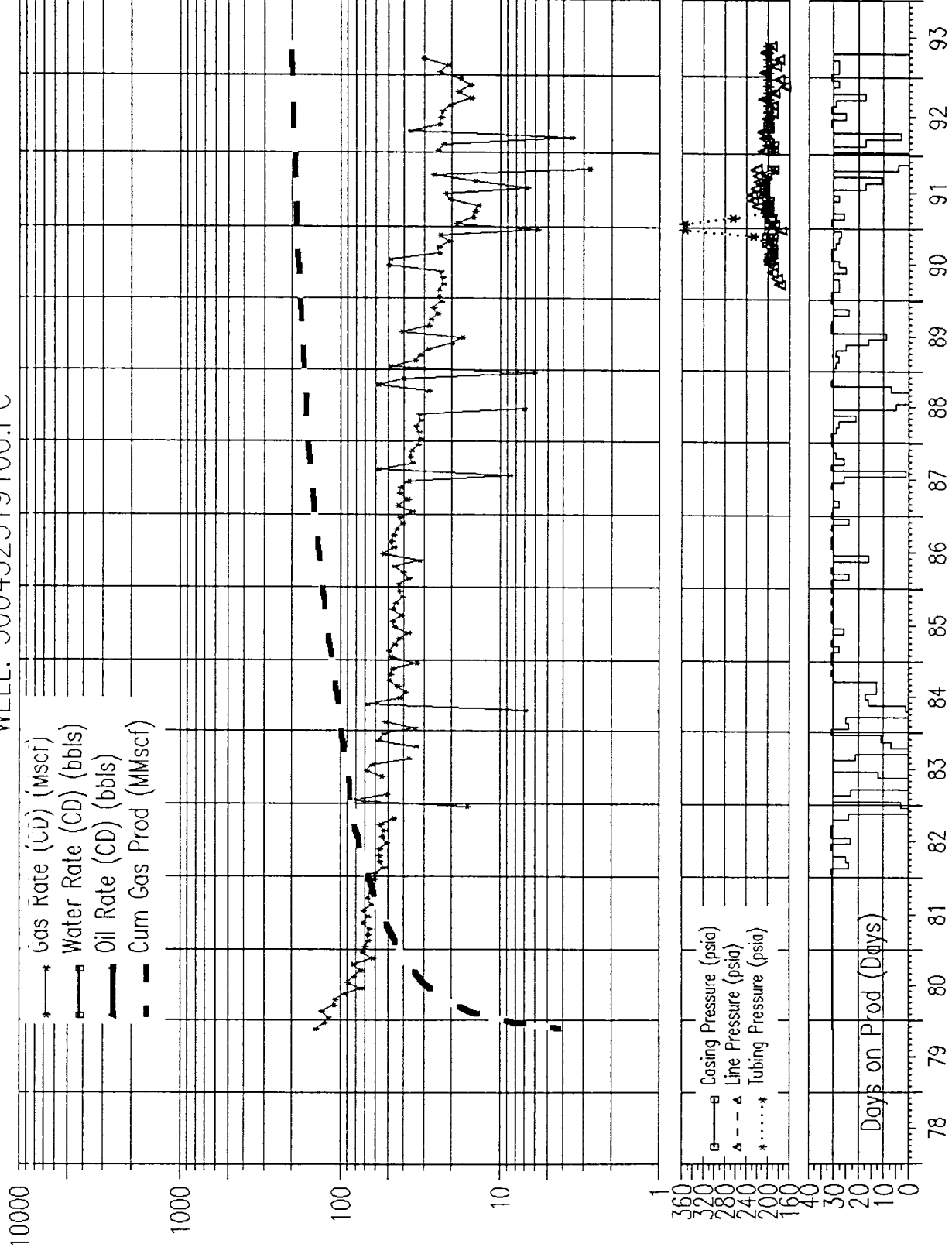
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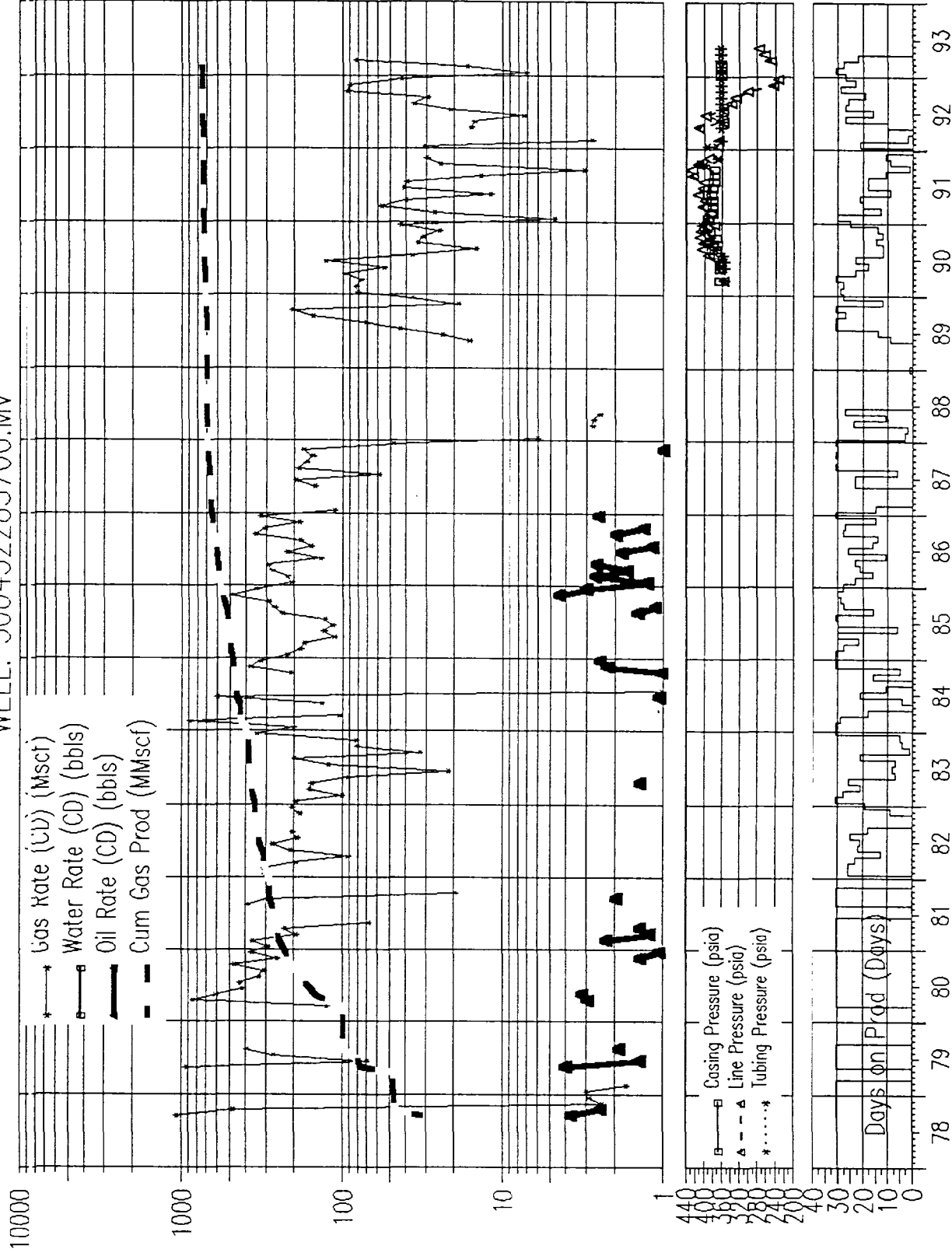


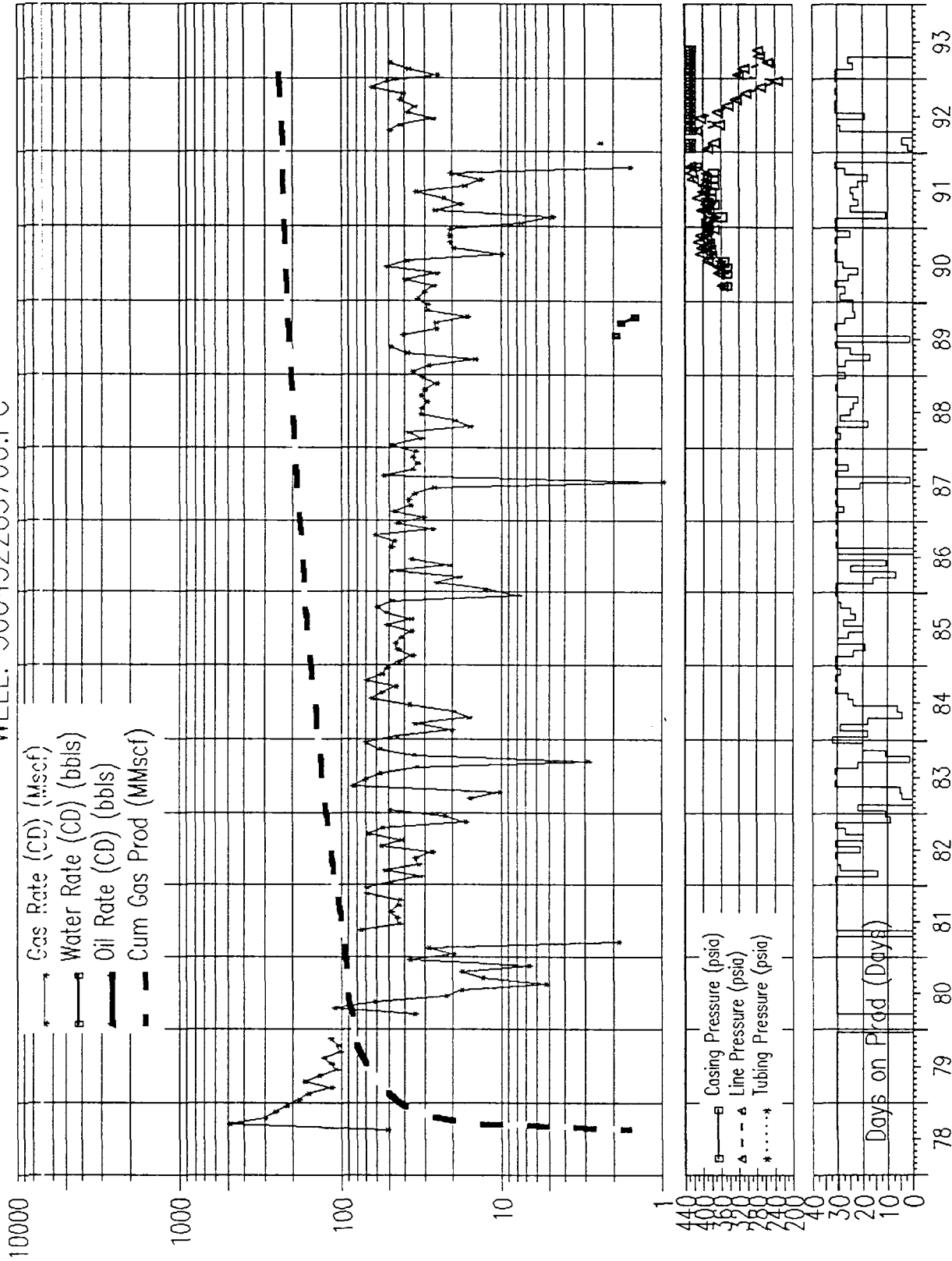
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FOREMAN : 1367 PJAC : 1325

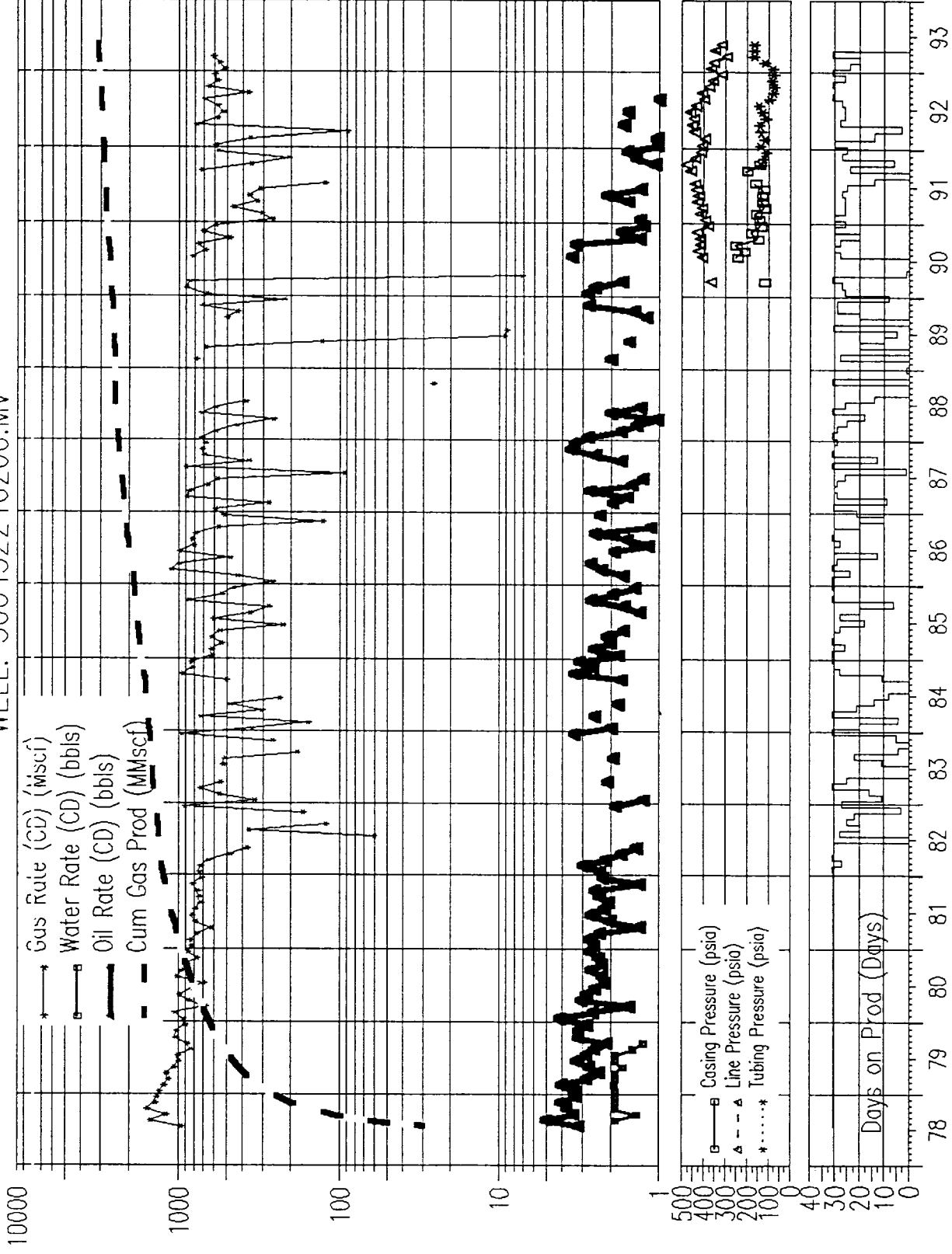
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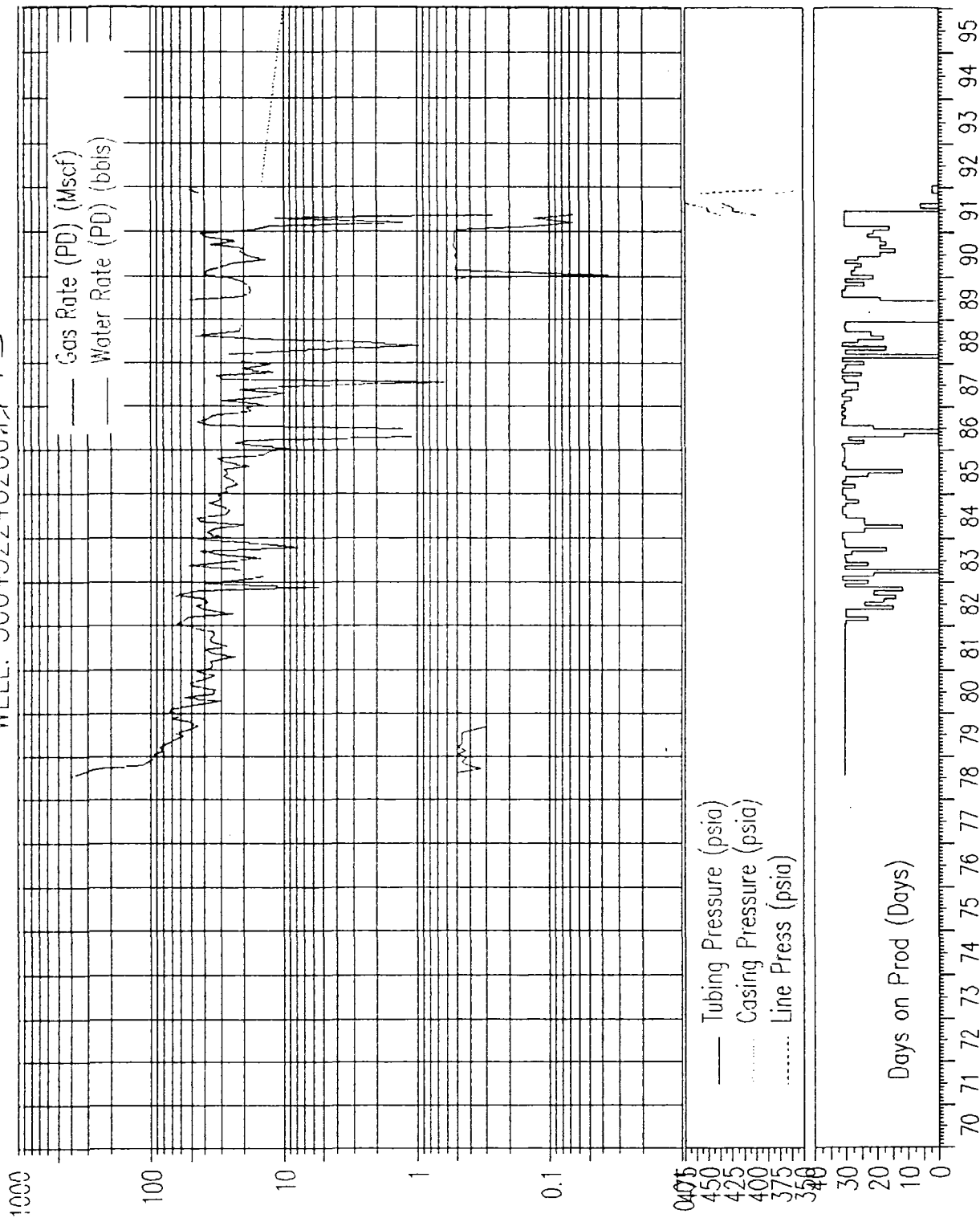
FIELDS A 4A CDATE: 780524
FOREMAN : 1367 PJAC : 1309
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FIELDS LS 4A [] A] CDATE: 780524

FORMMAN : NFISON PJAC : 1309

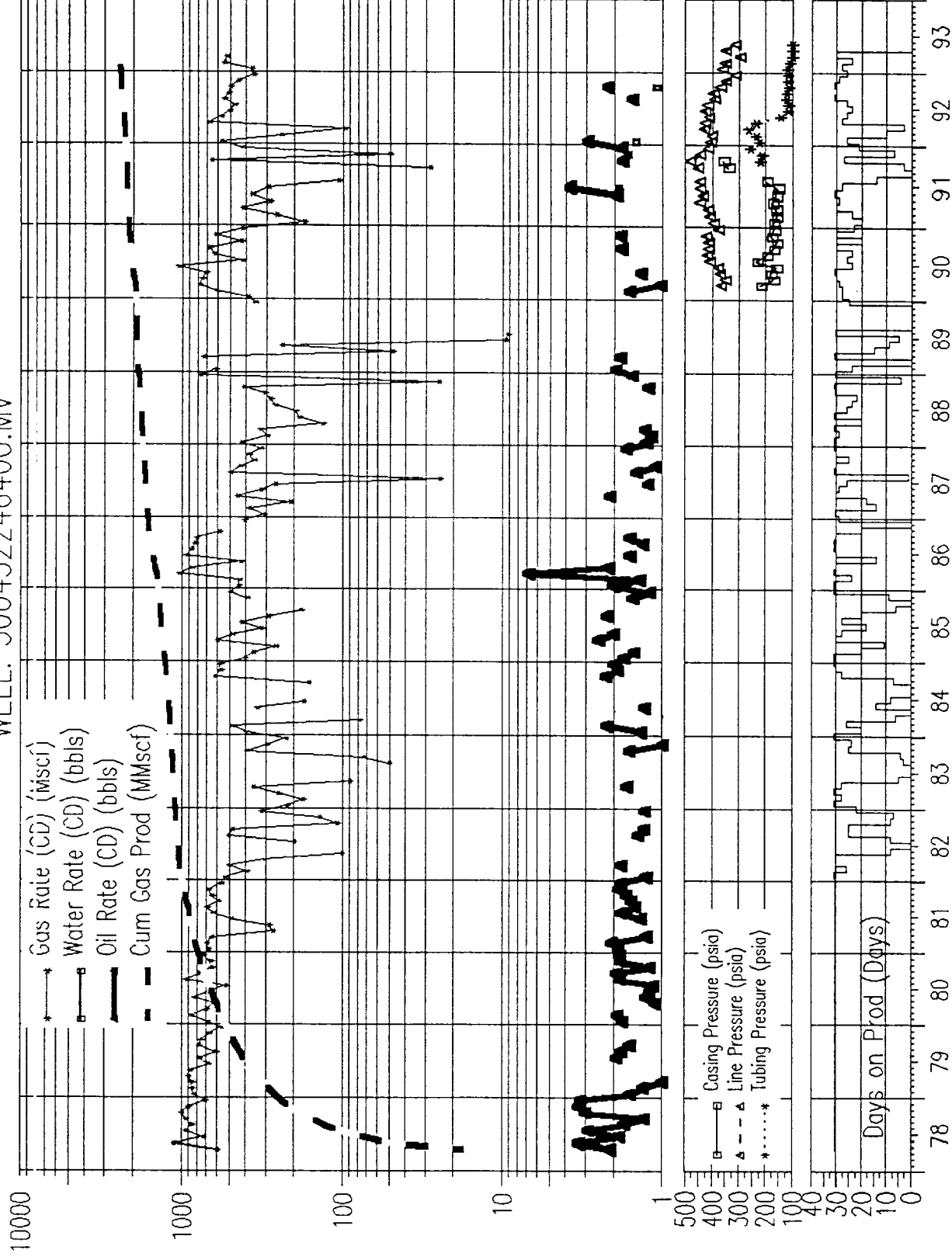
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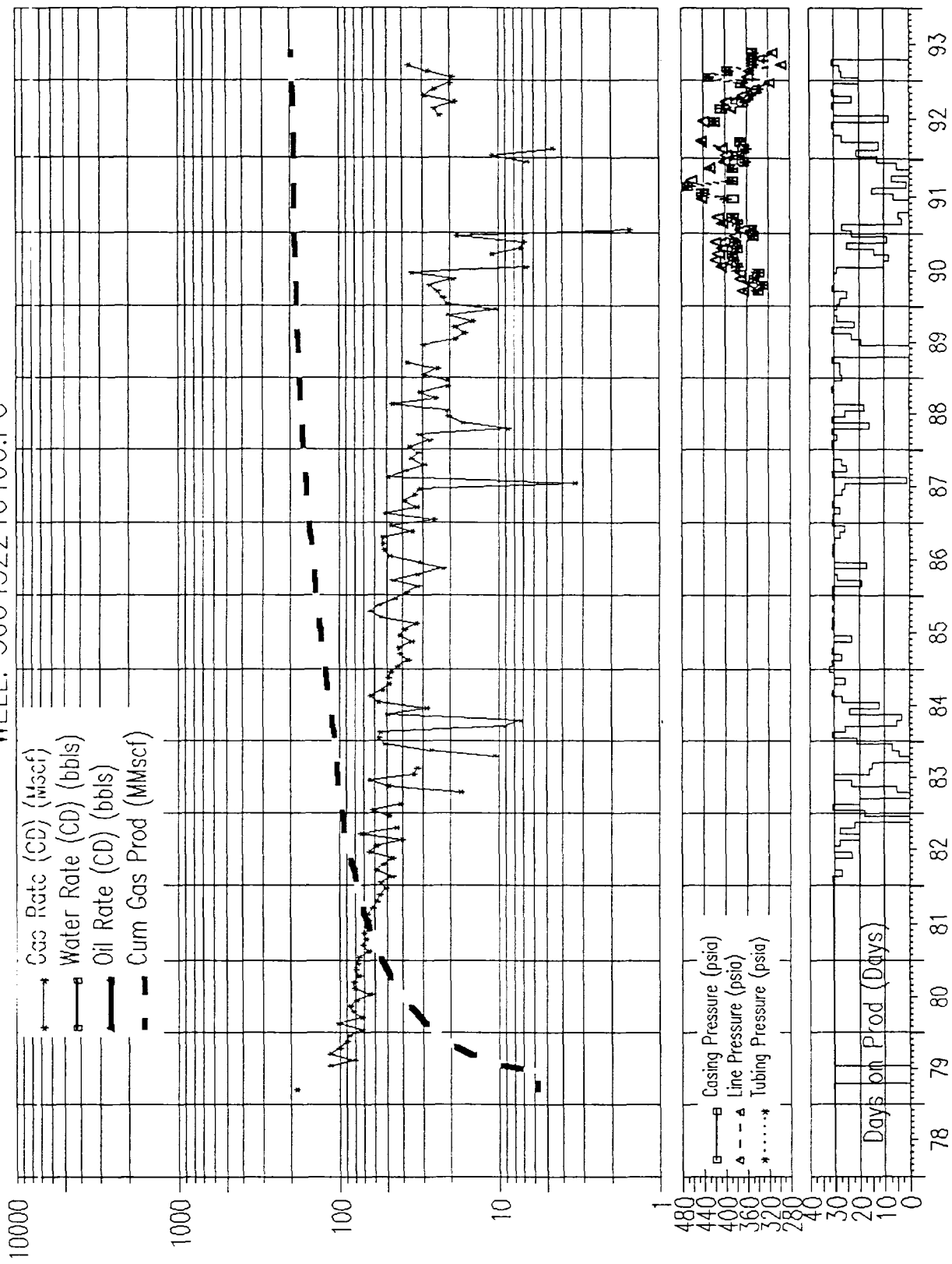


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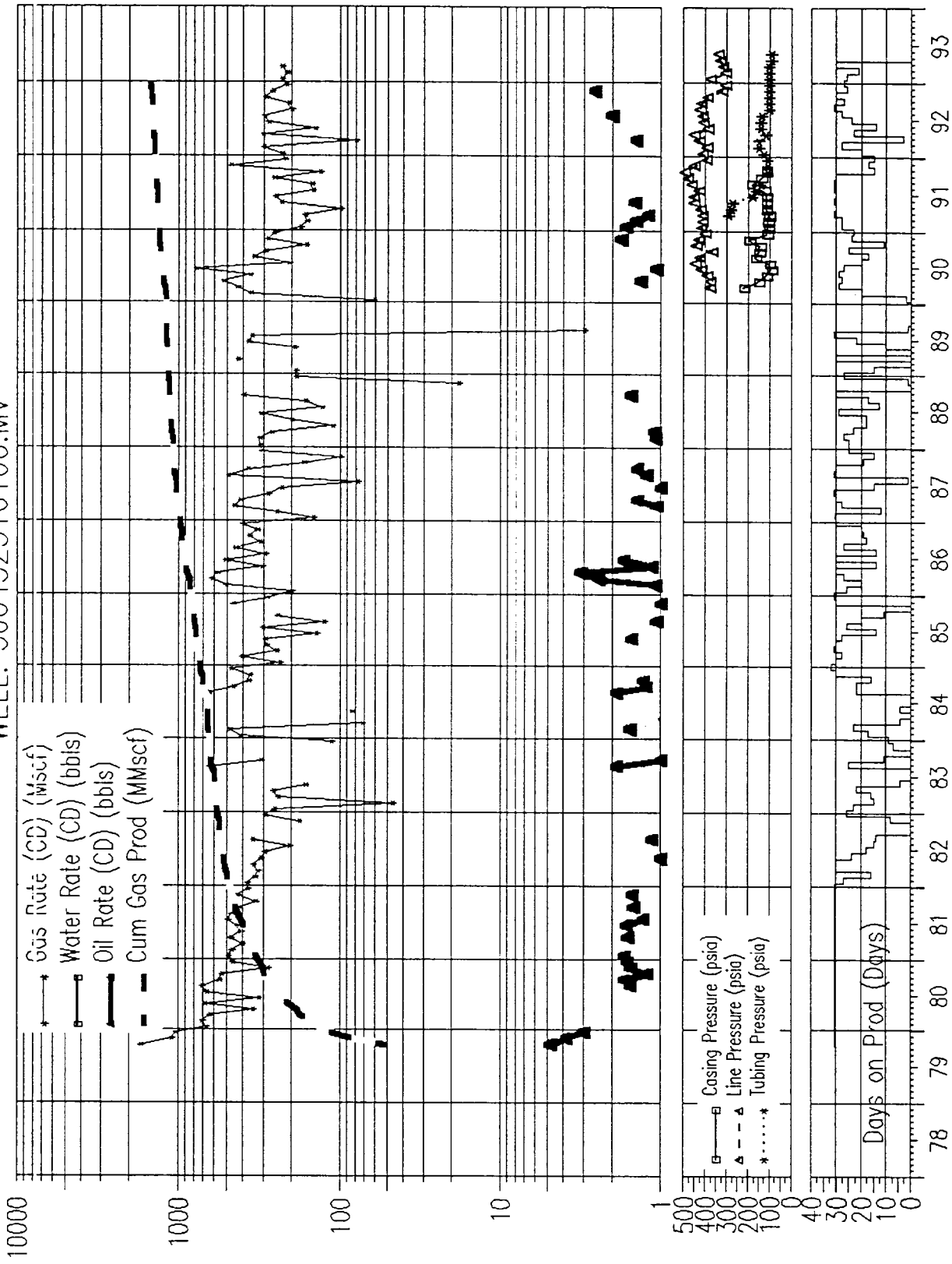




MOORE LS 5A [005A] CDATE: 790820

FOREMAN : 1367 PJAC : 2492

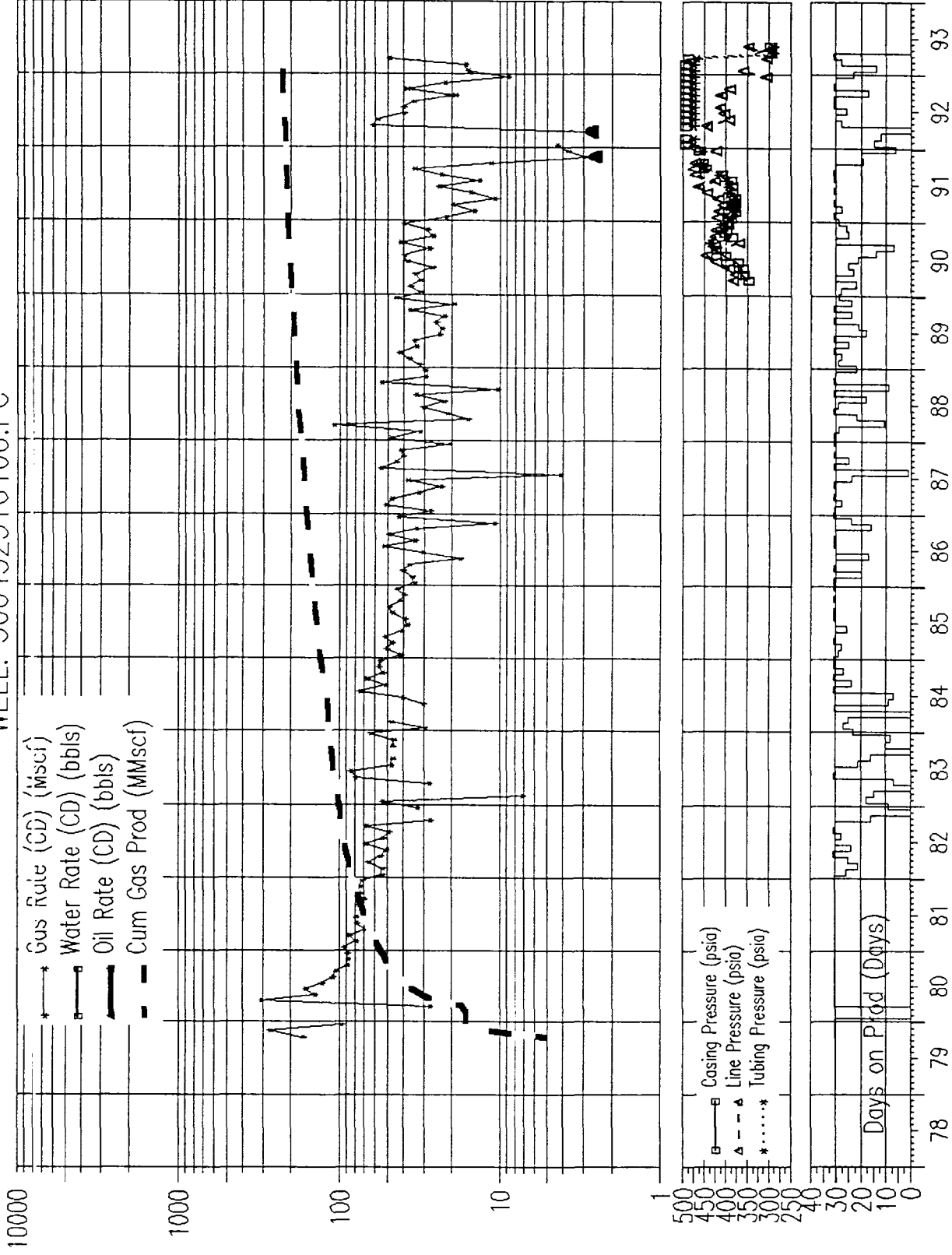
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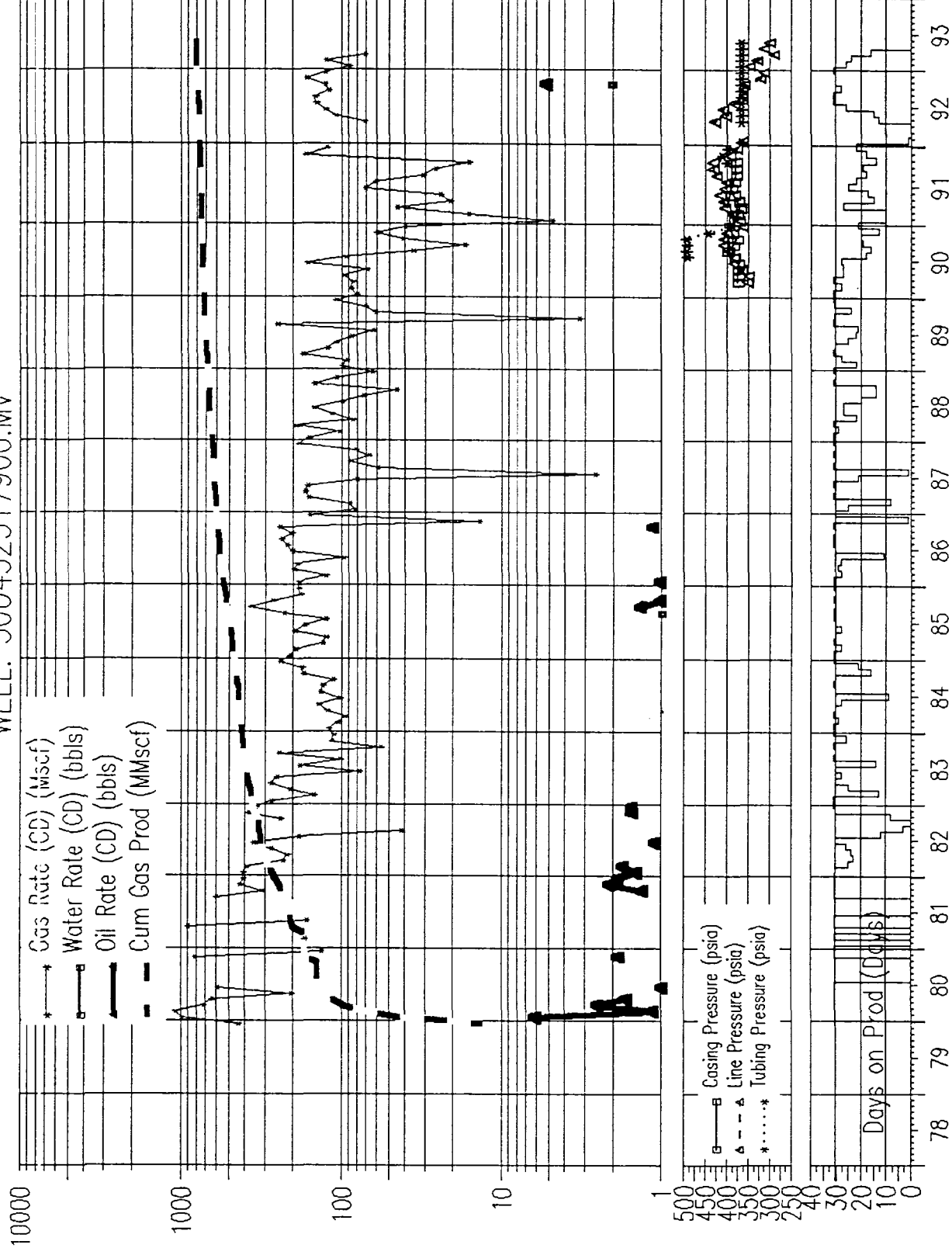
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FOREMAN : 1367 PJAC : 1087

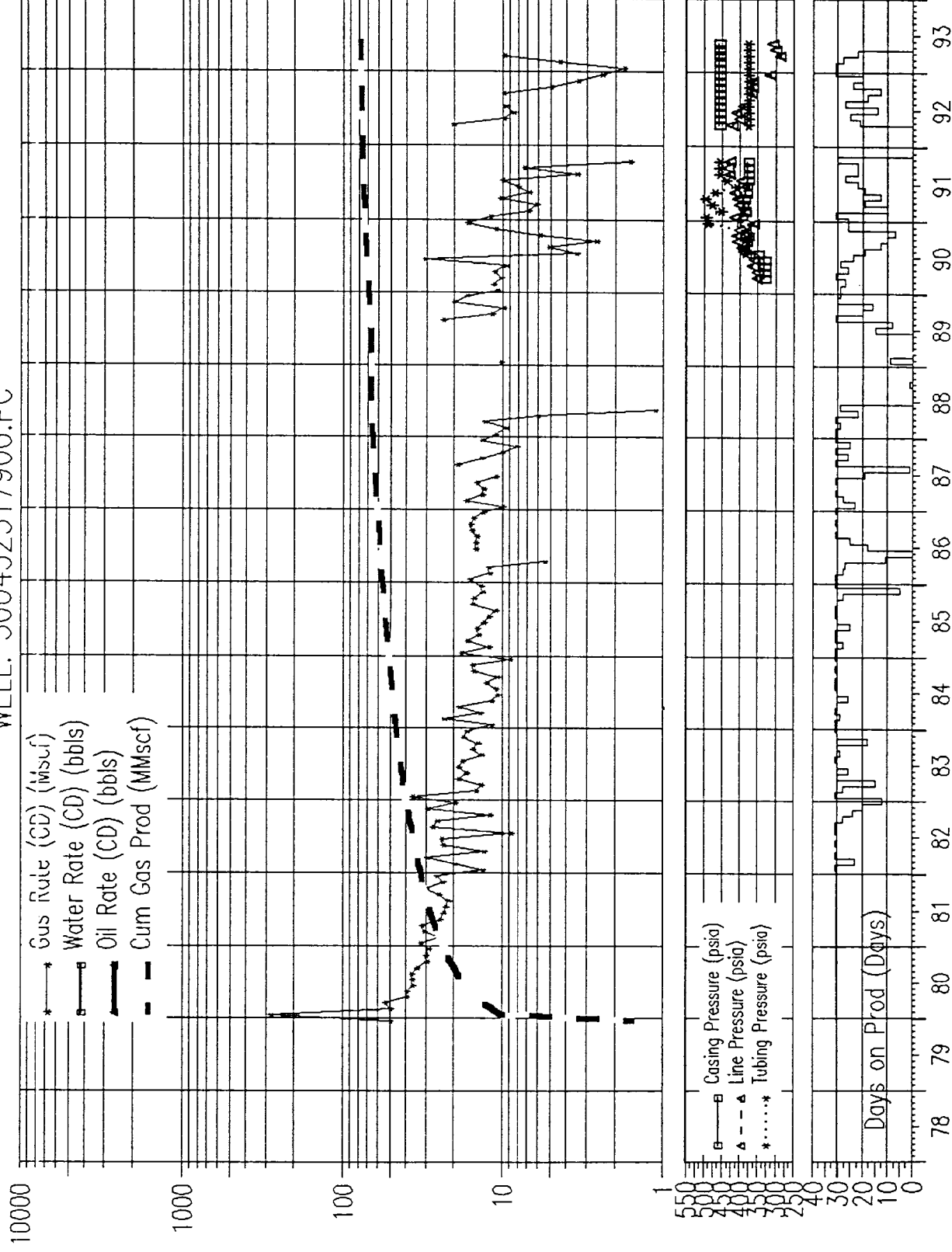
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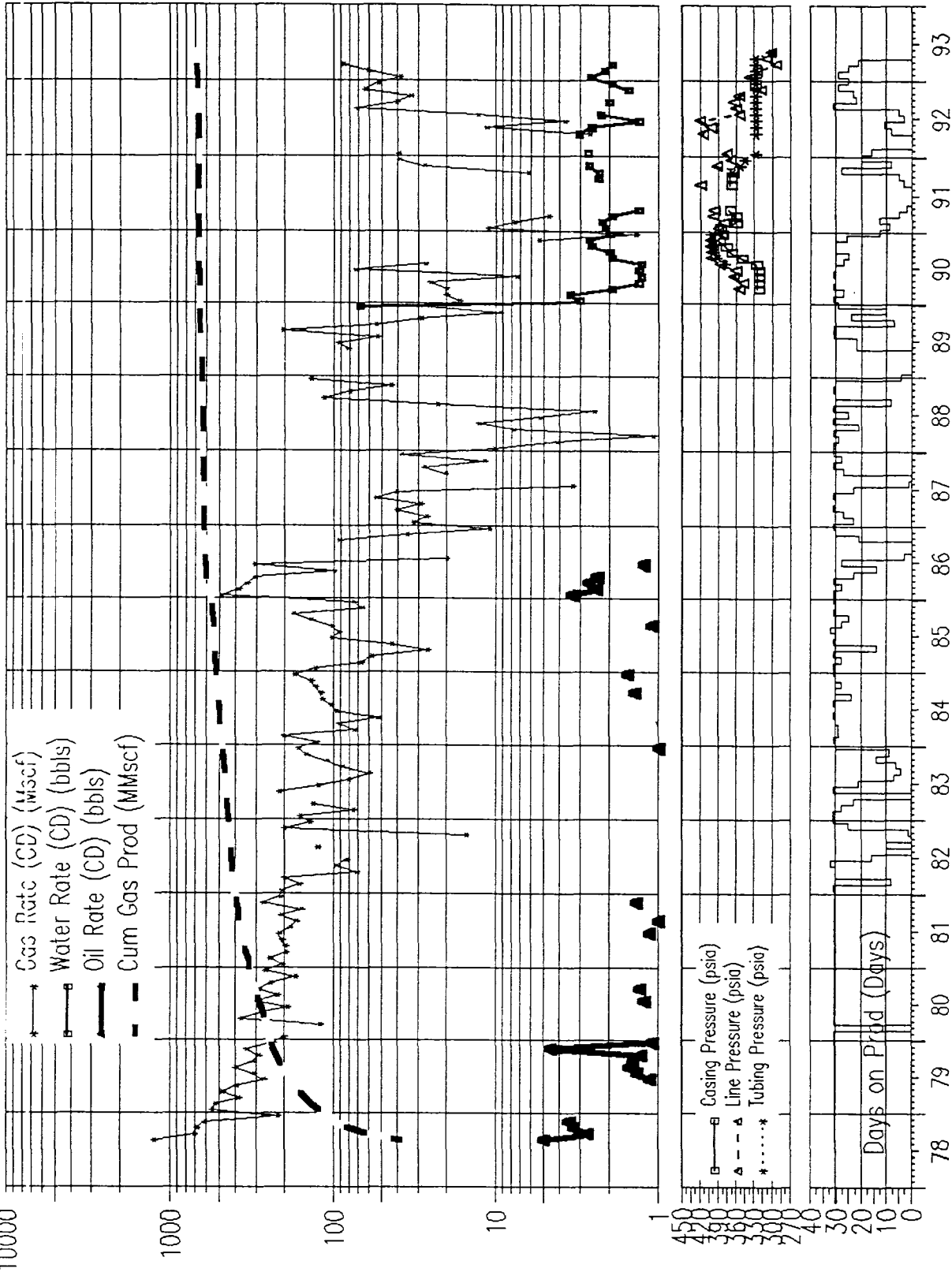
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FOREMAN : 1367 PJAC : 1087

WELL: 300452317900:PC



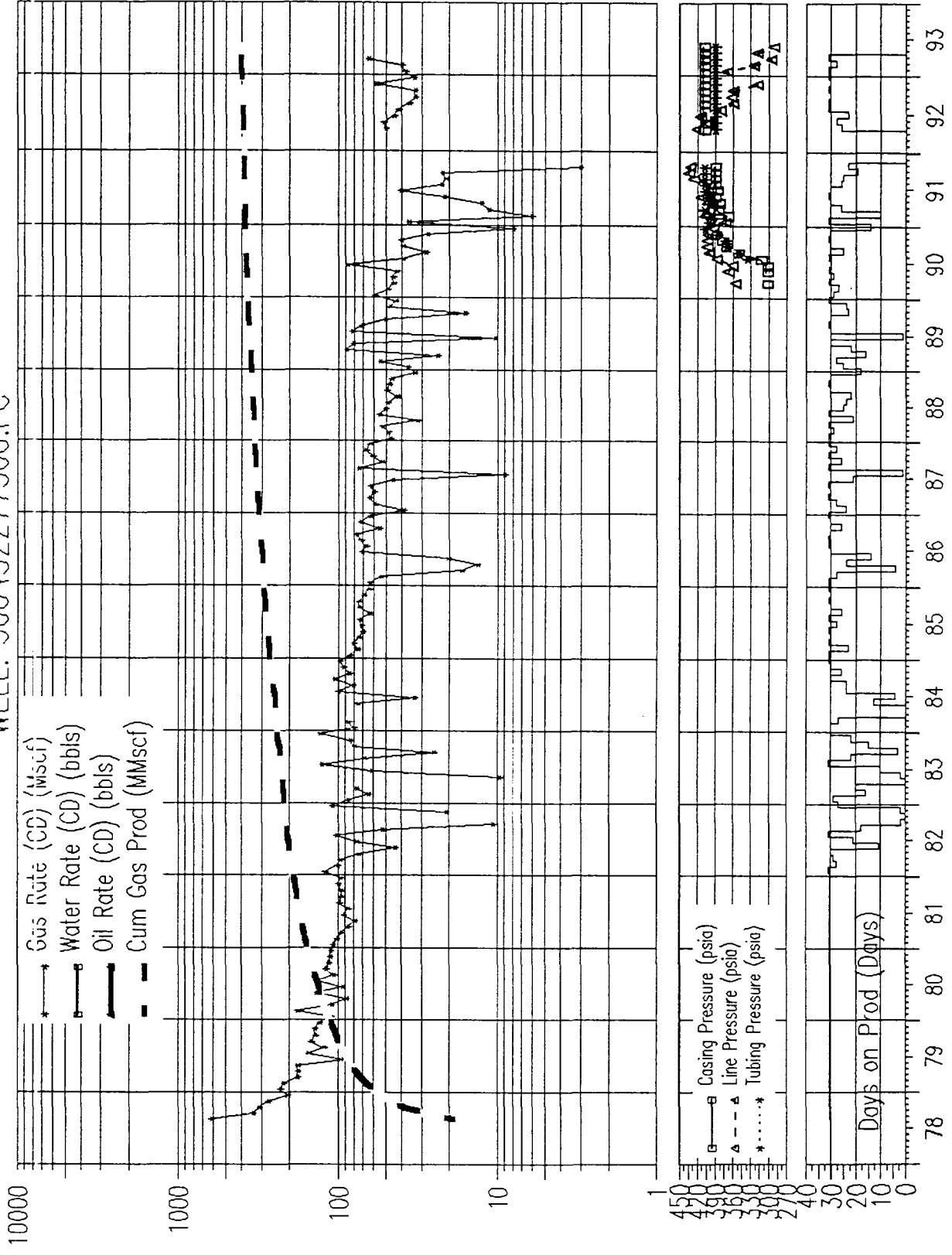
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FOREMAN : 1367 PJAC : 1087
WELL: 300452277300:MV



MUDGE B 3A CDATE: 780626

FOREMAN : 1367 PJAC : 1087

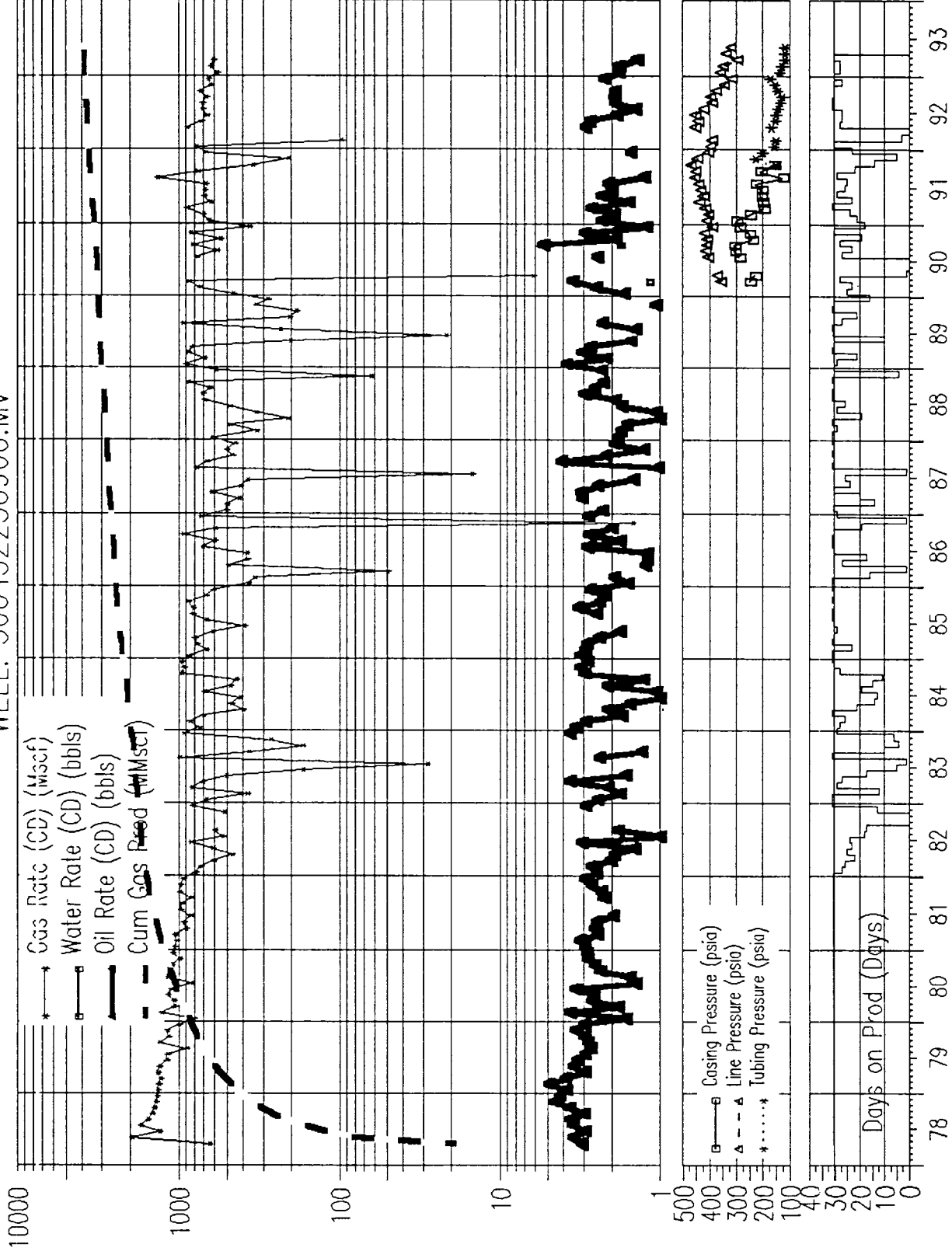
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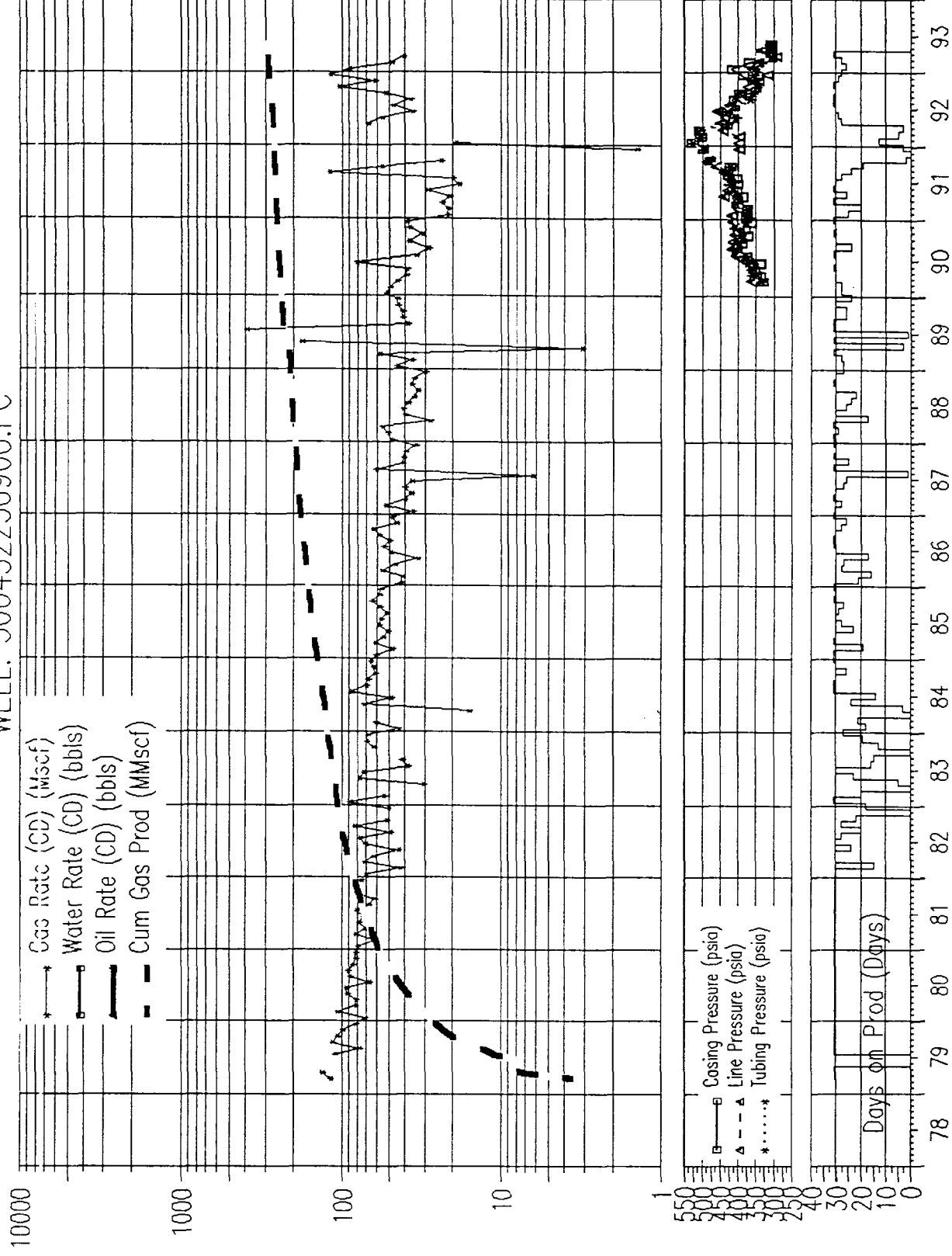
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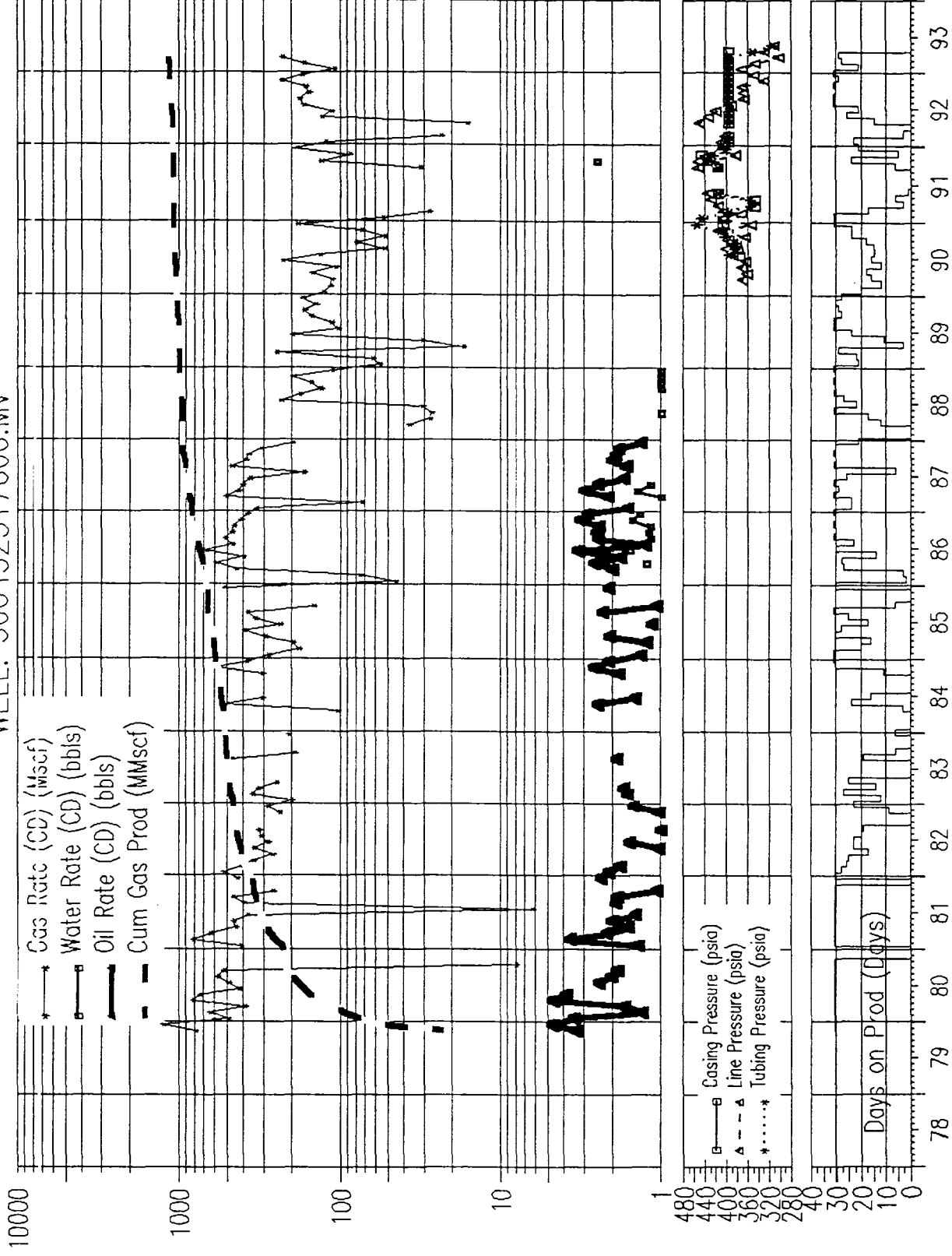
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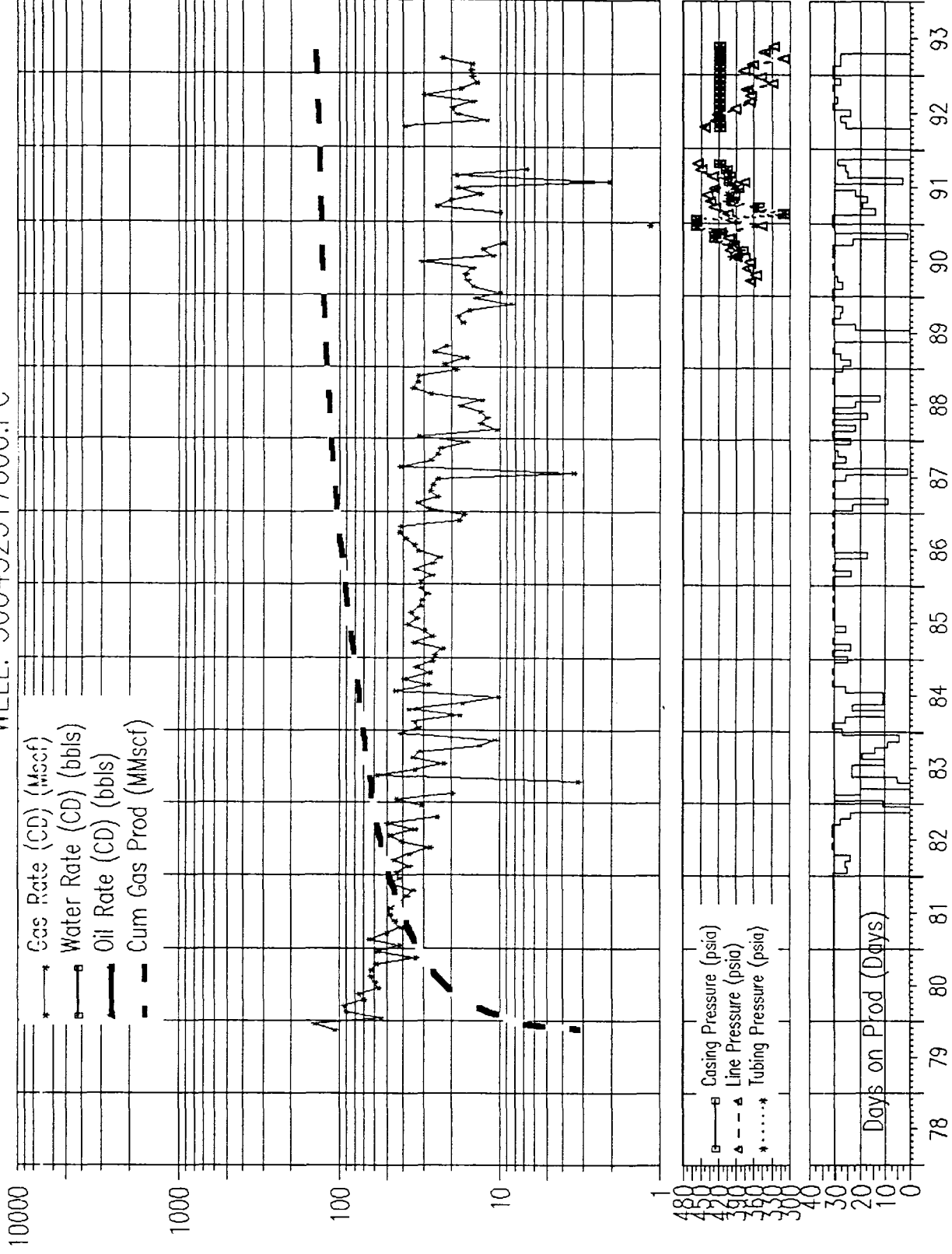
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MUDGE B 12A CDATE: 790925

FOREMAN : 1367 PJAC : 1325

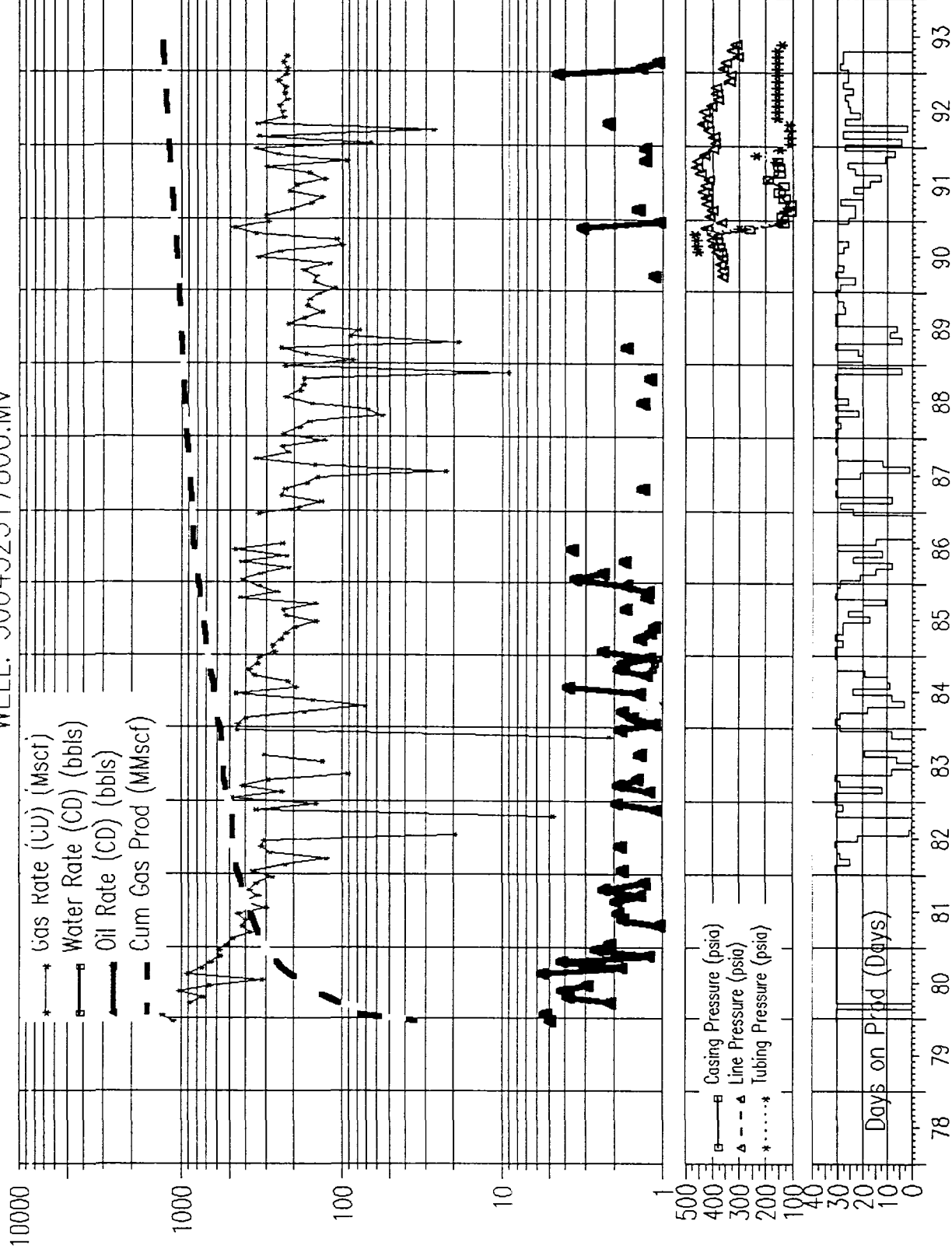
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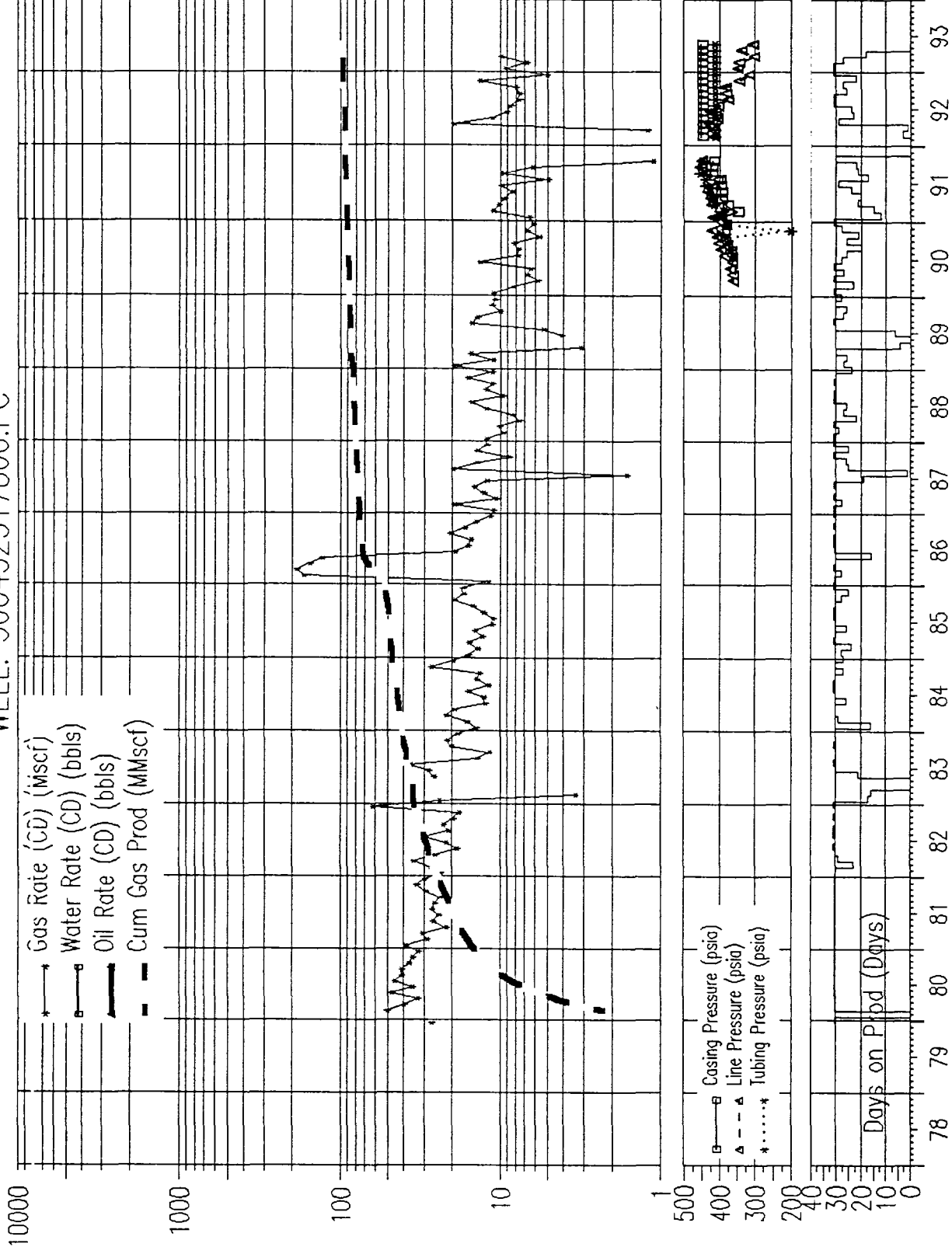
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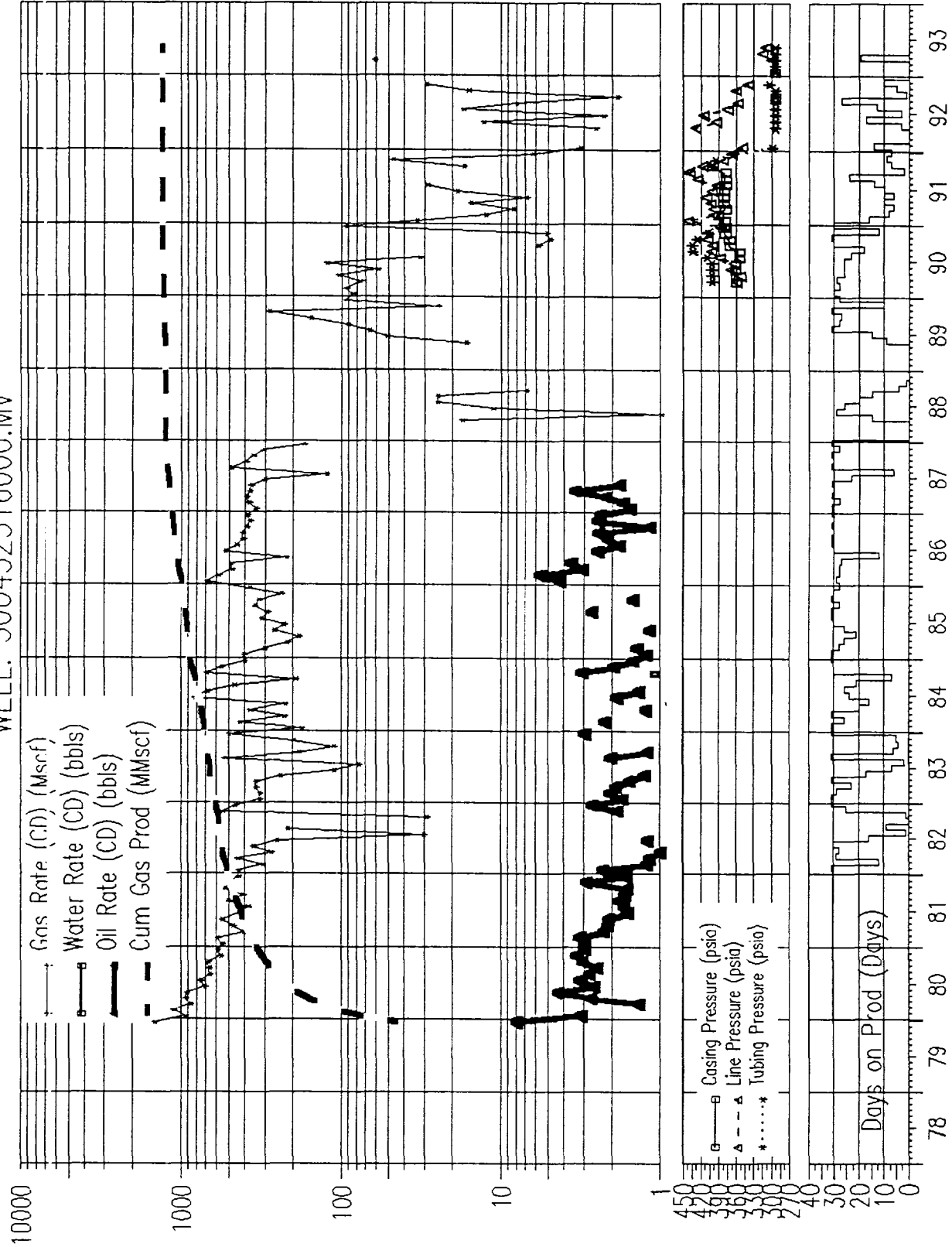
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MUDGE B 14A CDATE: 791016
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 WELL: 300452317800:PC



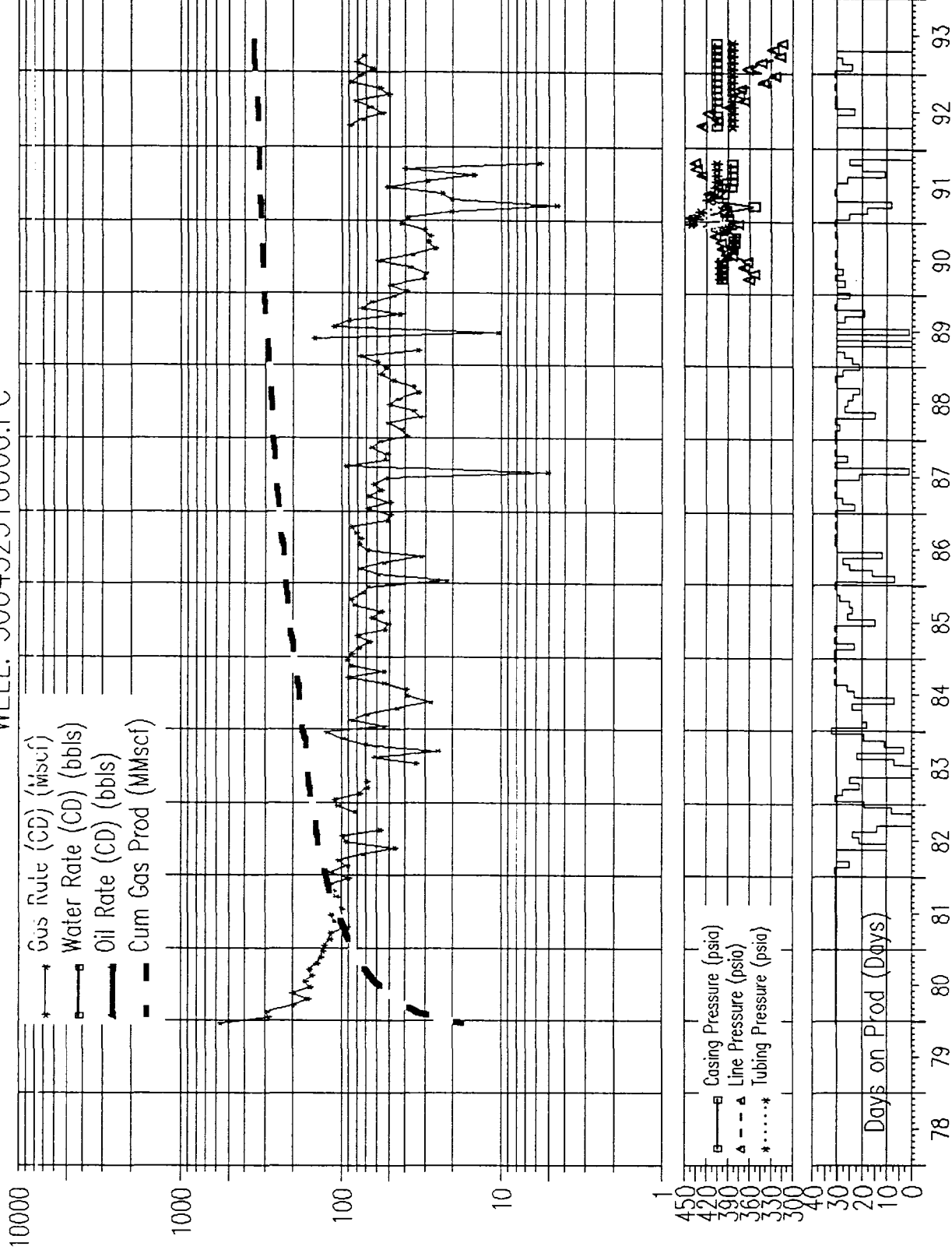
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FOREMAN : 1367 PJAC : 1087
WELL: 300452316000:MV



MUDGE B 15A CDATE: 791008

FOREMAN : 1367 PJAC : 1087

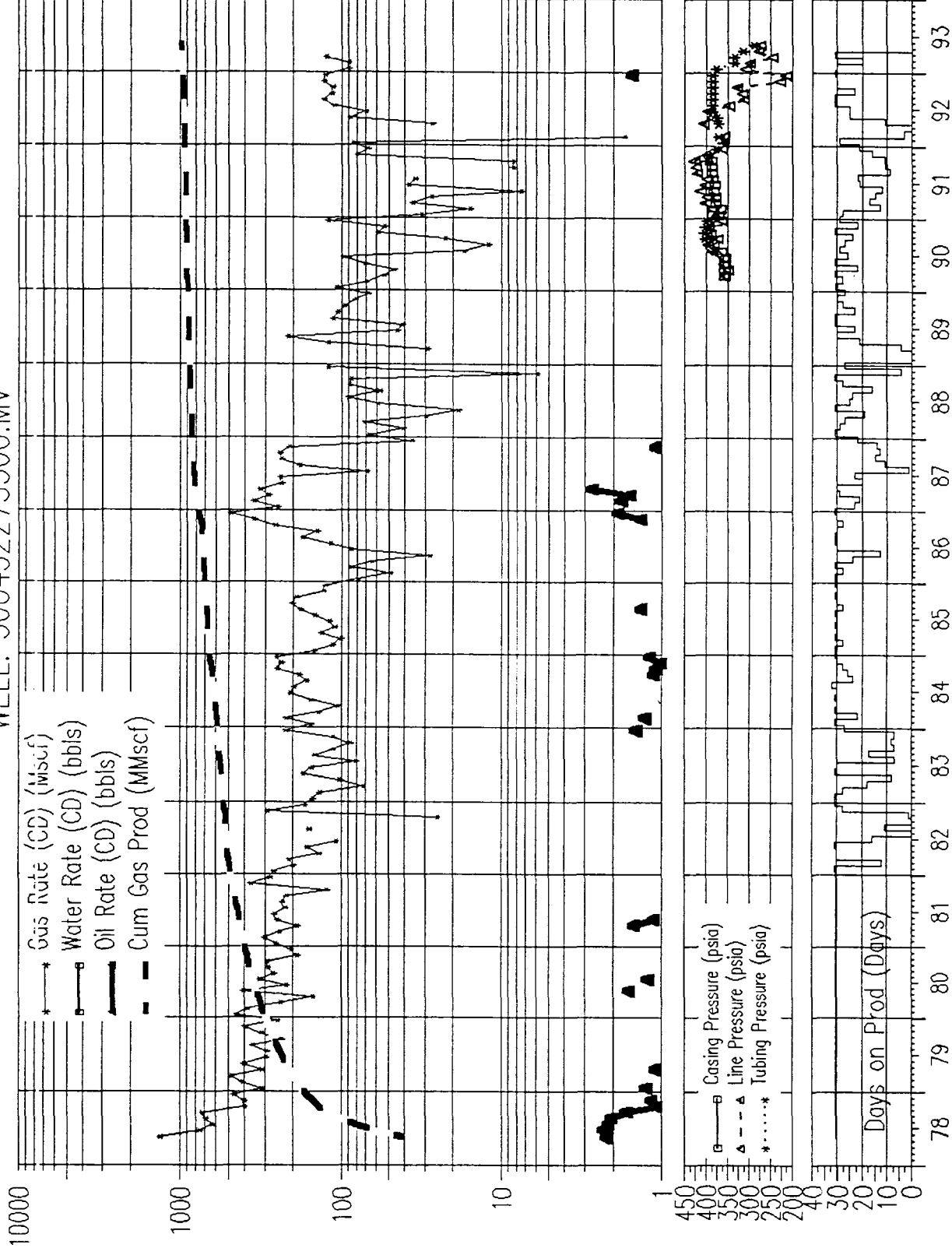
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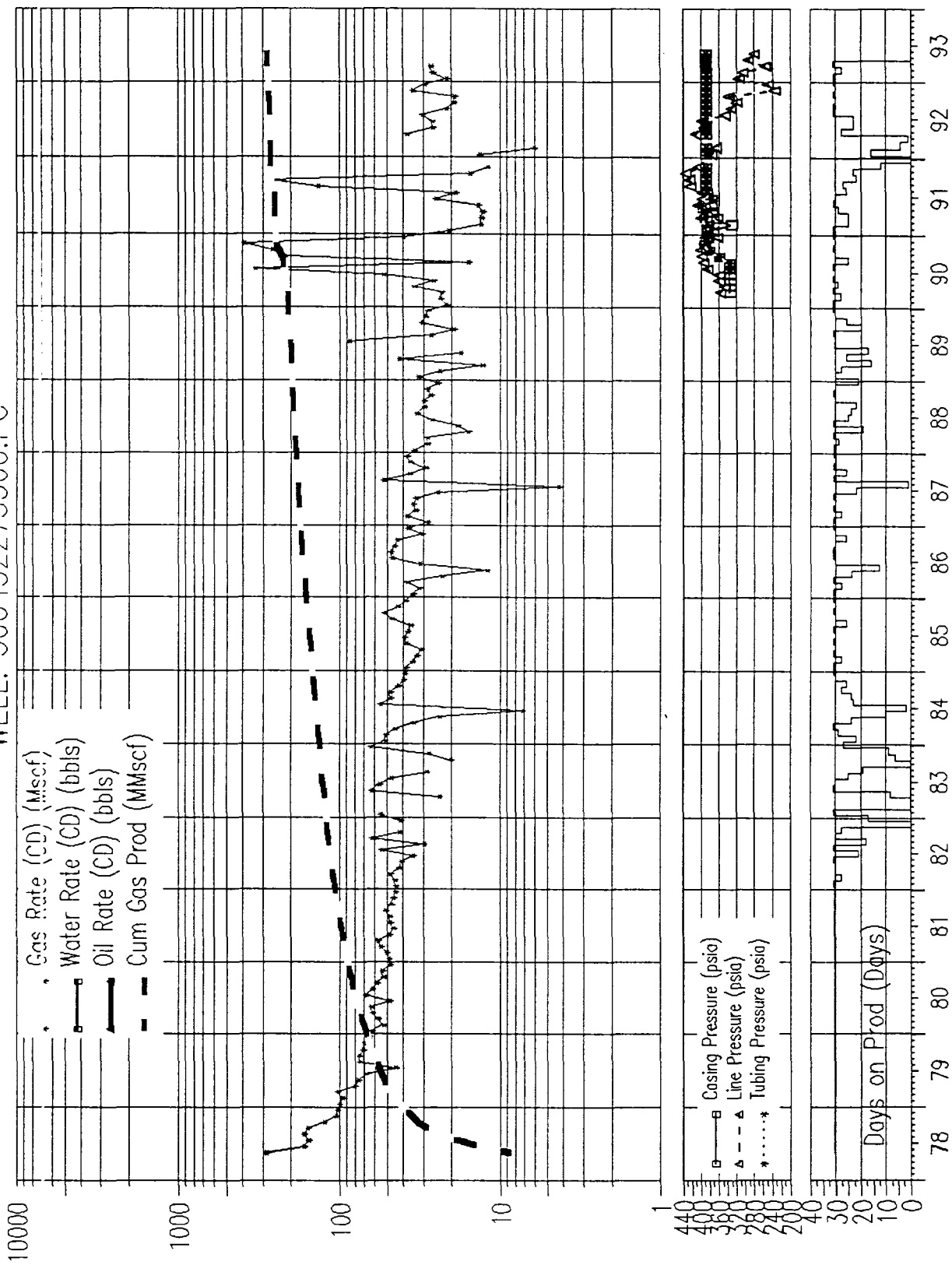


NEIL LS 2A [002A] CDATE: 780323

FOREMAN : 1367 PJAC : 1087

WELL: 3004522/3500:MV

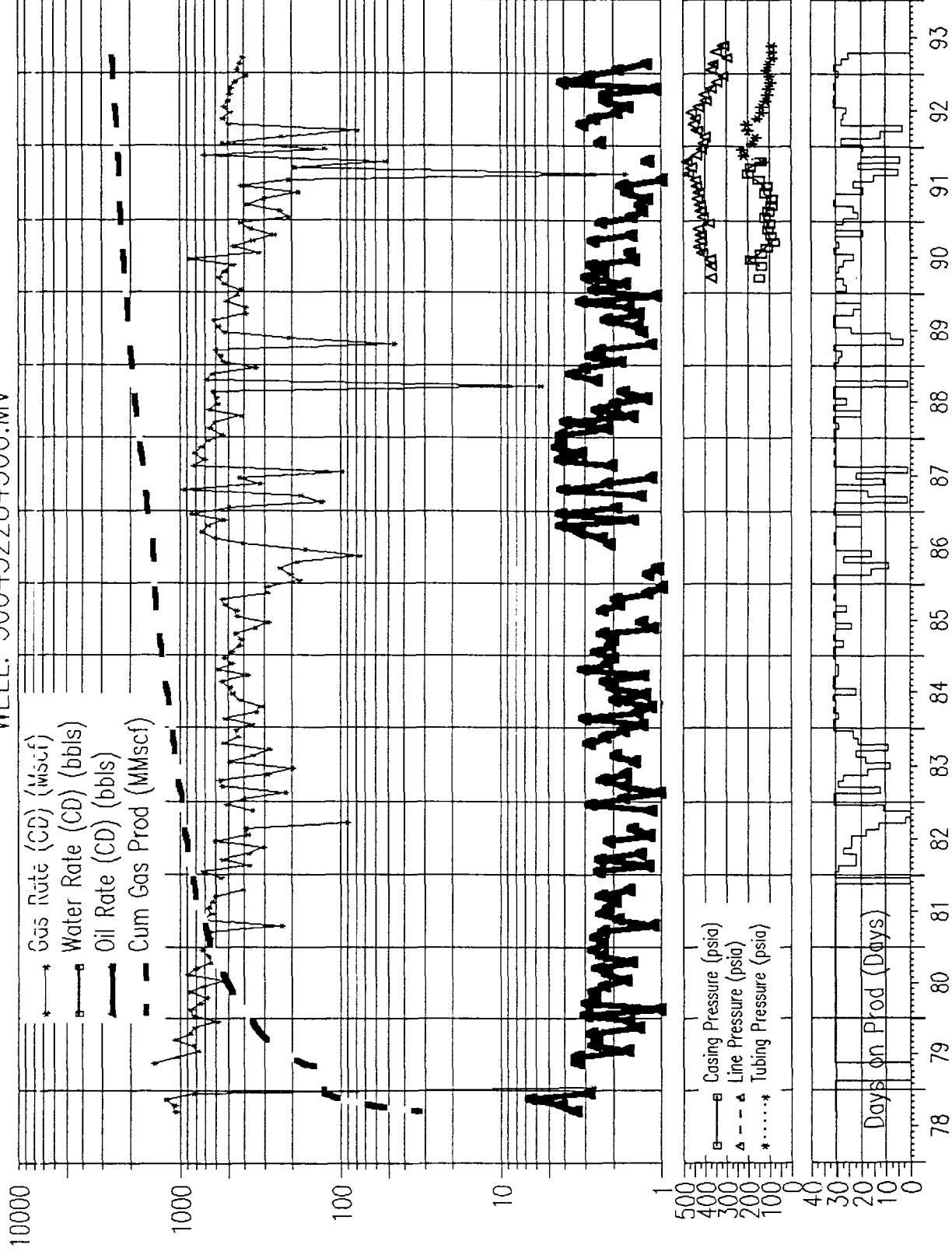




NEIL LS 6A [006A] CDATE: 780619

FOREMAN : 1367 PJAC : 1309

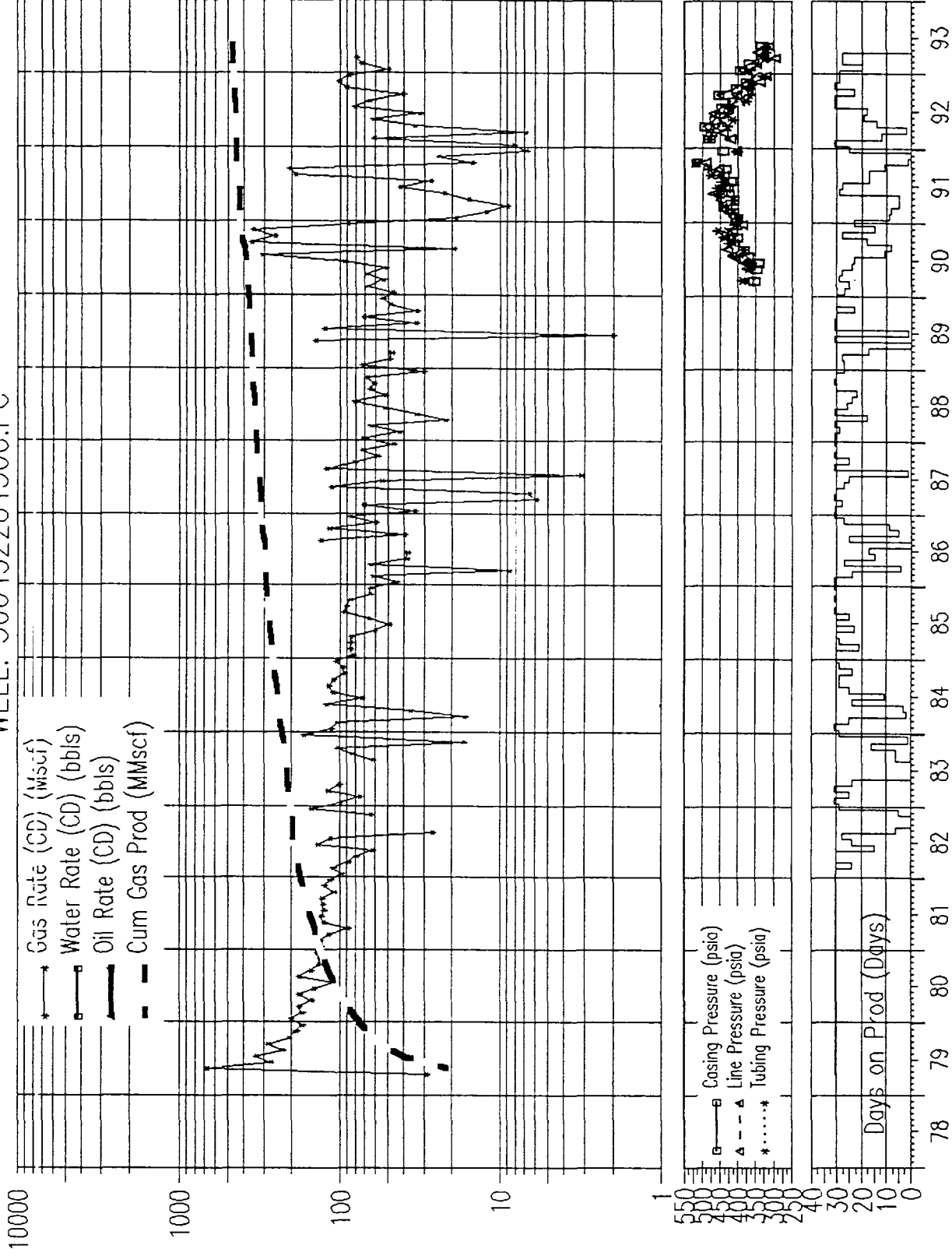
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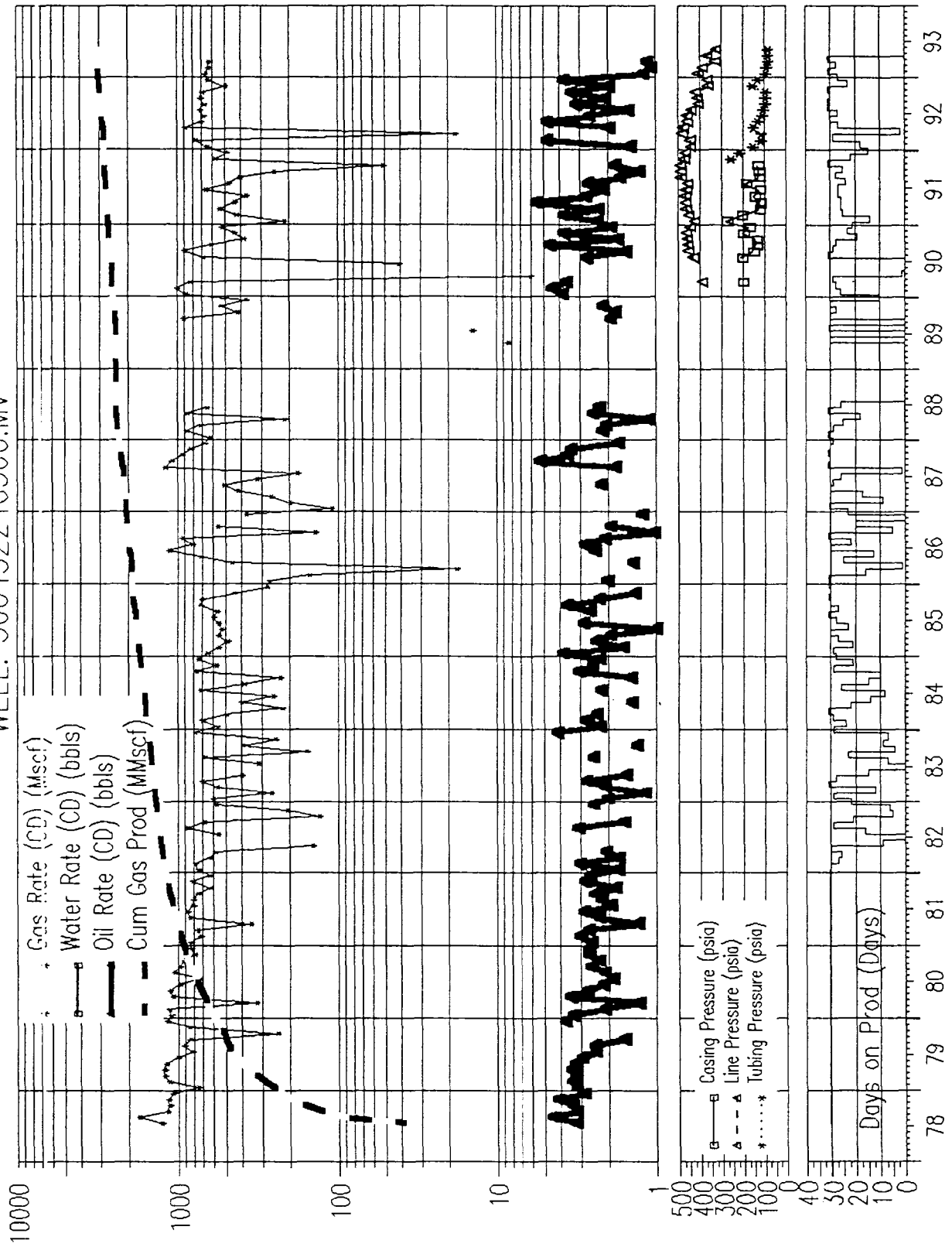
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NEIL LS 7A [007A] CDATE: 780418

FOREMAN : 1367 PJAC : 1309

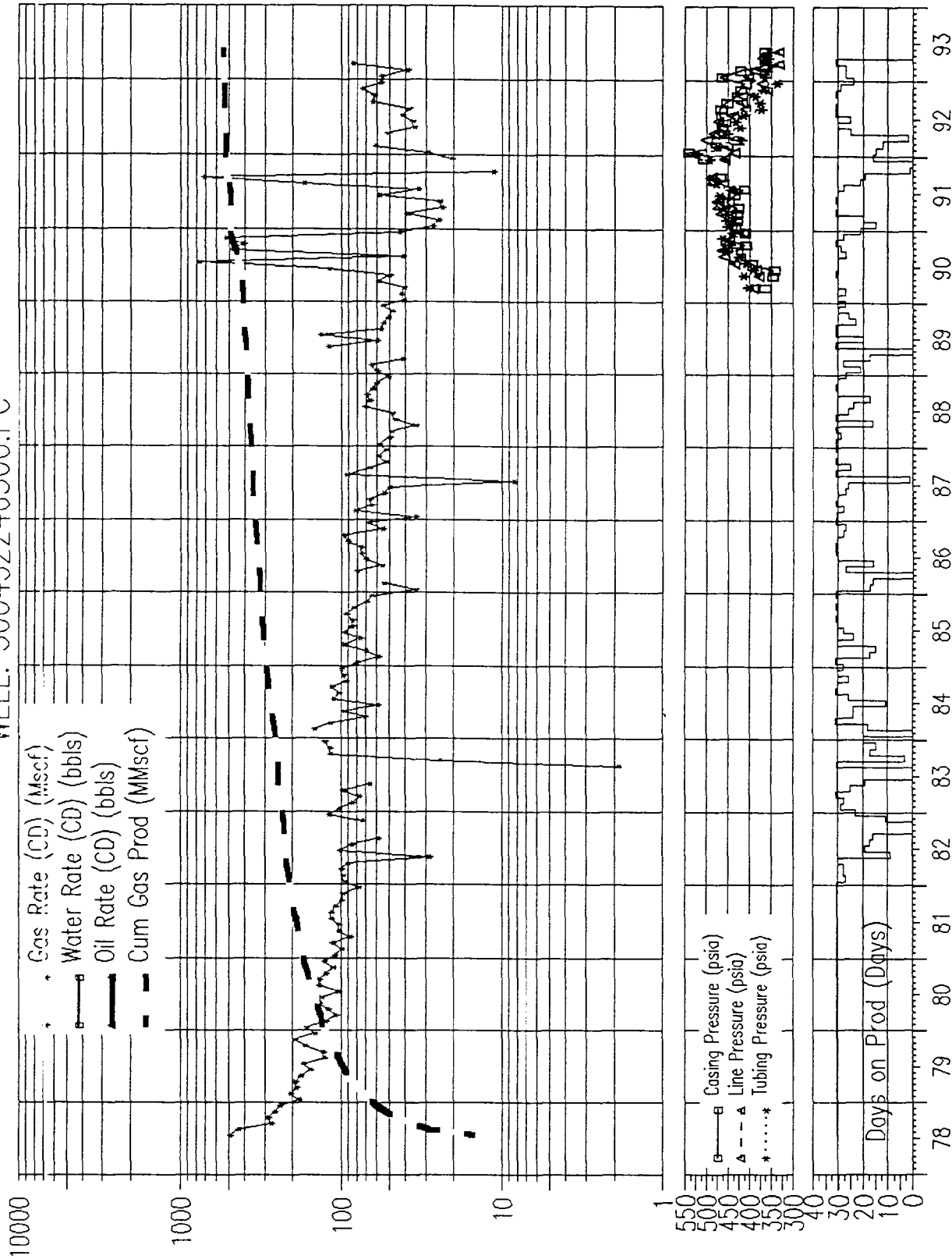
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NEIL LS 7A [007A] CDATE: 780418

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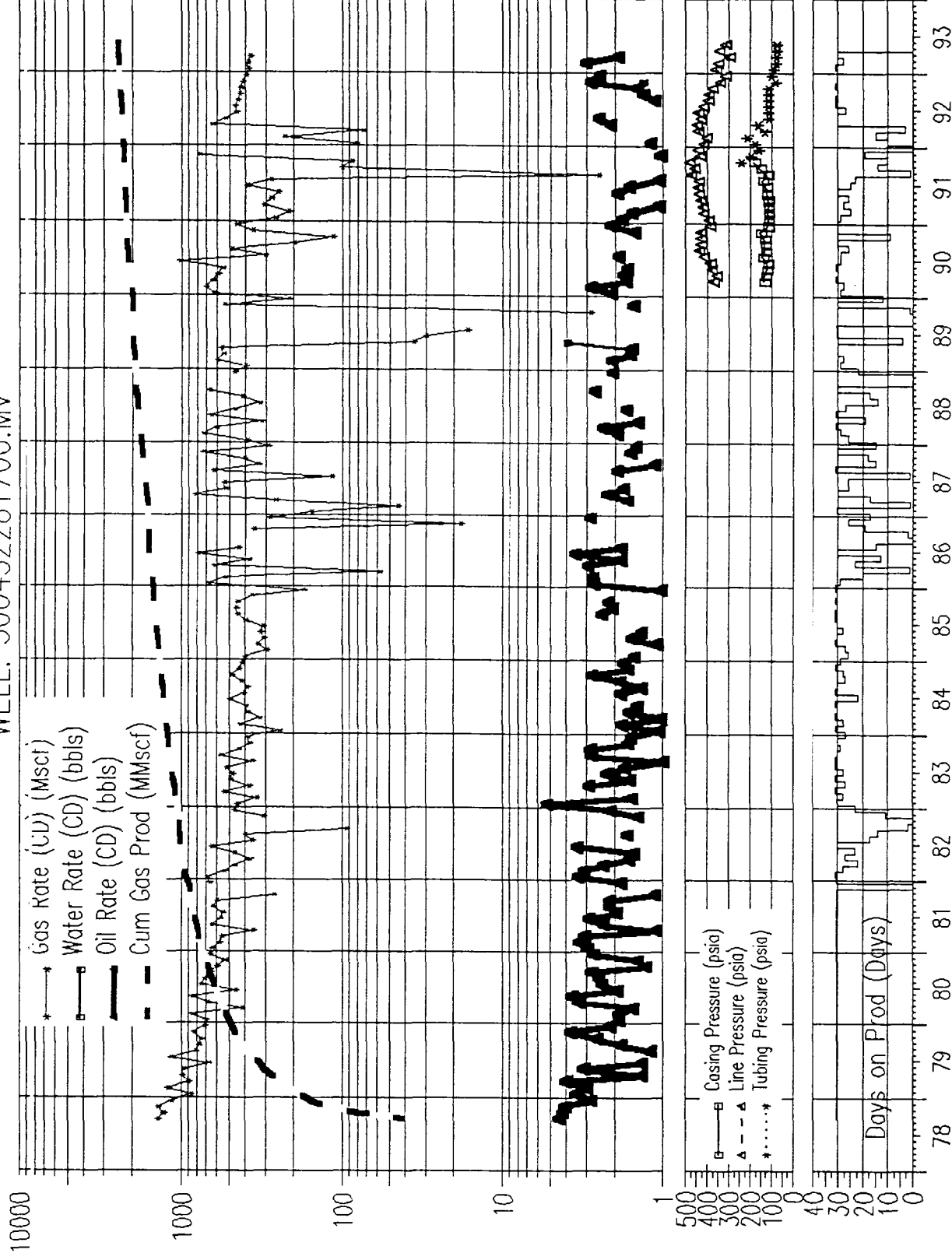
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NEIL LS 9A [009A] CDATE: 780718

FOREMAN : 1367 PJAC : 1440

WELL: 300452281700:MV



NEIL LS 9A [009A] CDATE: 780718

FOREMAN : 1367 PJAC : 1440

WELL: 300452281700:PC

