

DATE IN 3/29/00	SUSPENSE 4/18/00	ENGINEER DC	LOGGED KV	TYPE DHC
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -

2713

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
[DD-Directional Drilling] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

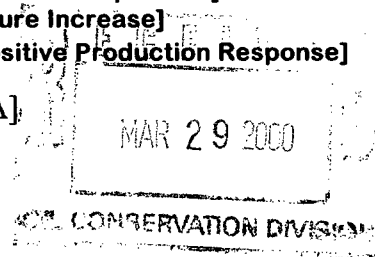
[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling
NSL NSP DD SD

Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement
X DHC CTB PLC PC OLS OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
WFX PMX SWD IPI EOR PPR



[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

[A] X Working, Royalty or Overriding Royalty Interest Owners

[B] Offset Operators, Leaseholders or Surface Owner

[C] Application is One Which Requires Published Legal Notice

[D] X Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Peggy Cole

Peggy Cole

Regulatory/Compliance Administrator

Print or Type Name

Signature

Title

Date

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
DISTRICT II
811 South First St., Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410
DISTRICT IV
2040 S. Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

Form C-107-A
Revised August 1999

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Burlington Resources Oil and Gas

Operator **Nye** Address **3A P-1-30N-11W San Juan**

Lease Well No. Unit Ltr. - Sec - Twp - Rge County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 7366 API NO. 30-045-22696 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	Blanco Mesaverde - 72319		Basin Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	4831-5104		6986-7093
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) 170 psi (see attachment)	a.	a. 317 psi (see attachment)
	b. (Original) 1101 psi (see attachment)	b.	b. 1577 psi (see attachment)
6. Oil Gravity (EAPI) or Gas BTU Content	BTU 1167		BTU 1061
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no) * If Shut-In, give date 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)	No		Yes
	Date: Rates:	Date: Rates:	Date: Rates:
	Date: 1/31/00 Rates: 200 mcf/d	Date: Rates:	Date: 1/31/00 Rates: 5 mcf/d
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Will be supplied upon completion.		Will be supplied upon completion.

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? Yes ☒ No ☐
If not, have all working, overriding, and royalty interests been notified by certified mail? ☒ 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

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 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 Jennifer Dobson TITLE PRODUCTION ENGINEER DATE 3/21/00

TYPE OR PRINT NAME Jennifer Dobson TELEPHONE NO. (505) 326-9700

MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator Aztec Oil & Gas Company			Lease Nye		Well No. 3A
Unit Letter P	Section 1	Township 30N	Range 11W	County San Juan	
Actual Footage Location of Well:					
800		feet from the South		line and 800 feet from the East line	
Ground Level Elev. 6027	Producing Formation Mesaverde		Pool Blanco		Dedicated Acreage: 320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

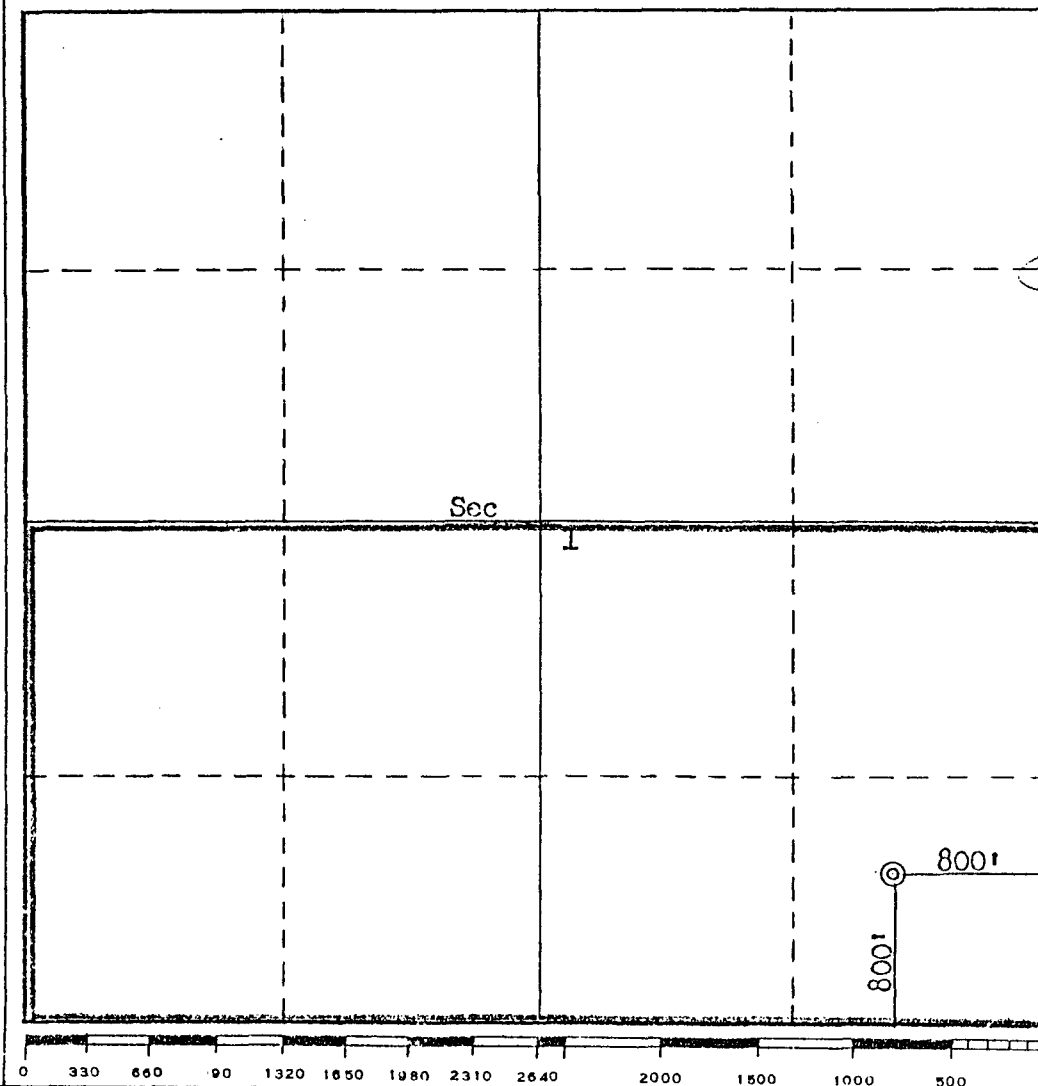
AUG 9 1977

U. S. GEOLOGICAL SURVEY

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Name _____
Position
District Production Mgr.
Company
Aztec Oil & Gas Company
Date
August 8, 1977

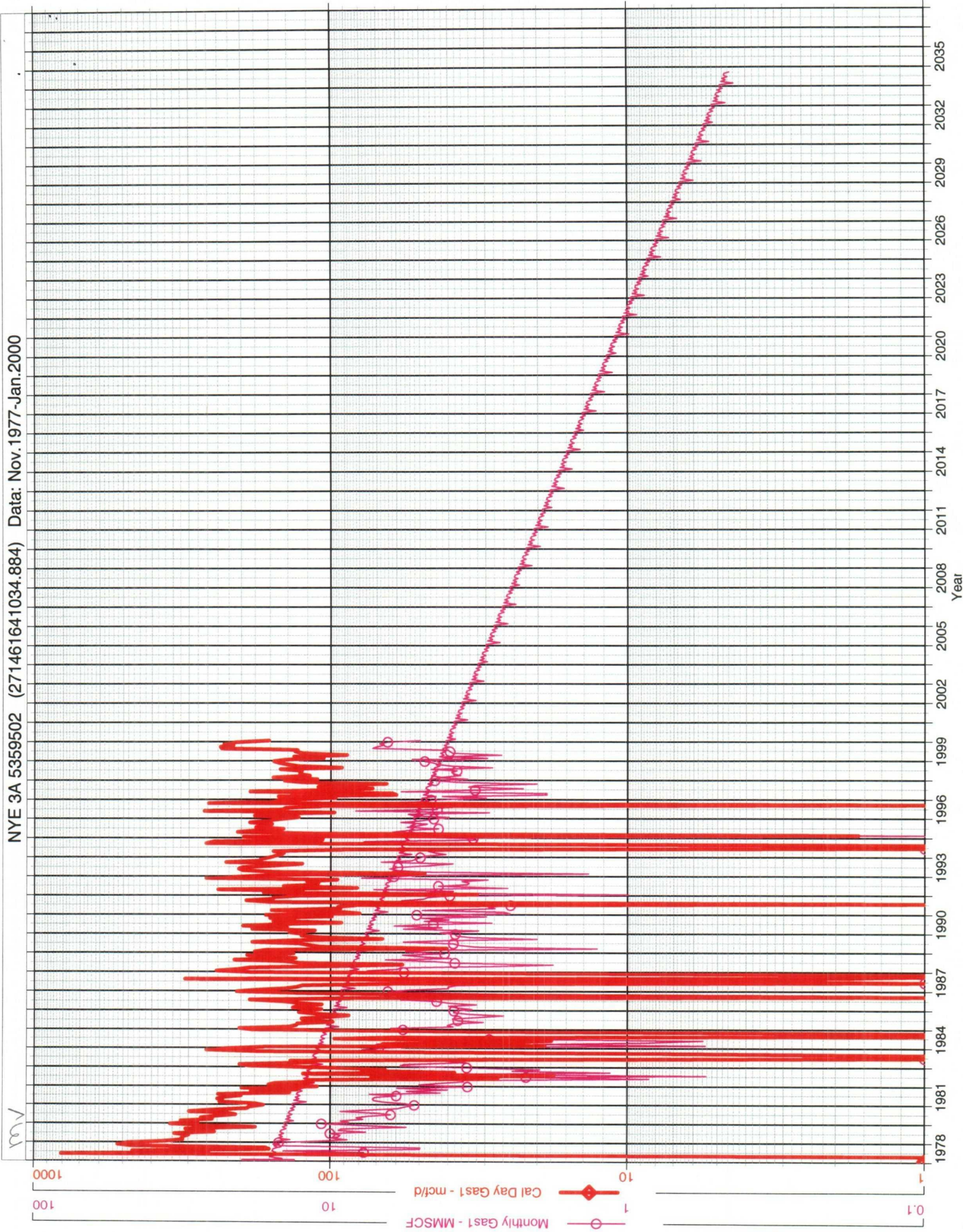
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
June 24, 1977
Registered Professional Engineer and/or Land Surveyor
Fred B. Kerr Jr.
Certificate No.
3950

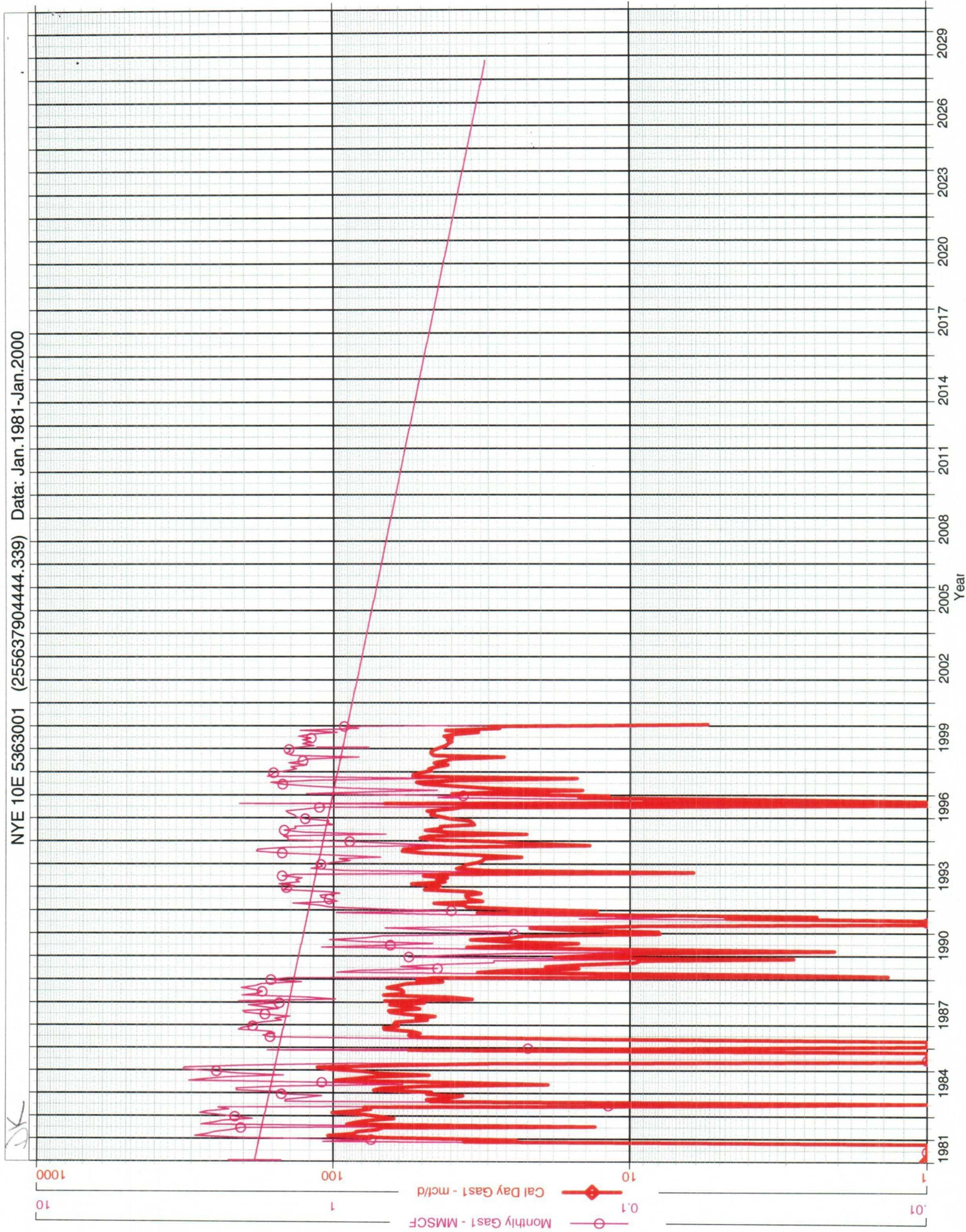
Nye #3A
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method
Version 1.0 1/14/98

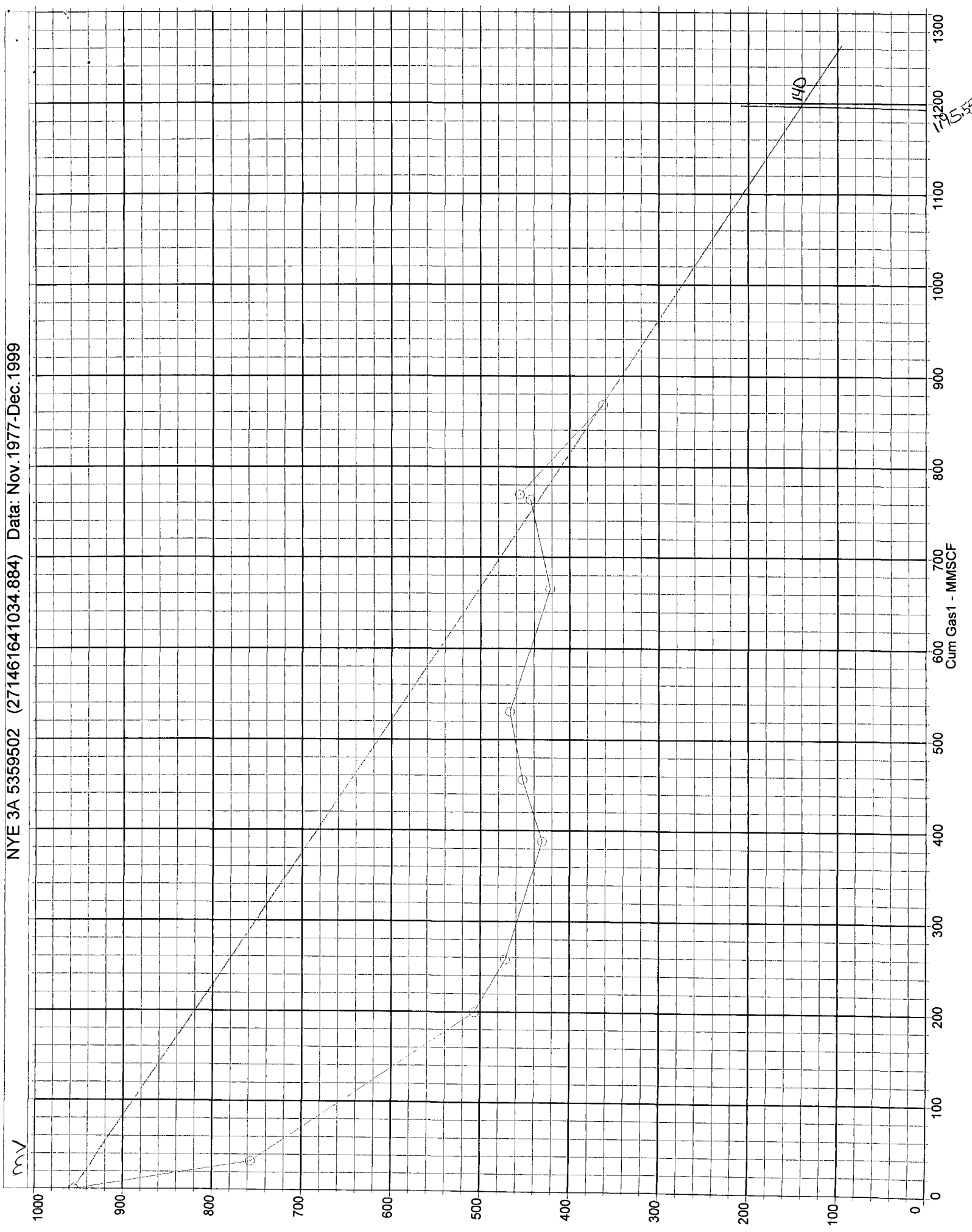
Mesaverde		Dakota	
<u>MV-Current</u>		<u>DK-Current</u>	
GAS GRAVITY	0.671	GAS GRAVITY	0.6134
COND. OR MISC. (C/M)	M	COND. OR MISC. (C/M)	M
%N2	0.21	%N2	0.14
%CO2	1	%CO2	1.7
%H2S	0	%H2S	0
DIAMETER (IN)	7	DIAMETER (IN)	2.375
DEPTH (FT)	4968	DEPTH (FT)	6990
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	150	BOTTOMHOLE TEMPERATURE (DEG F)	187
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	152	SURFACE PRESSURE (PSIA)	275
BOTTOMHOLE PRESSURE (PSIA)	170.3	BOTTOMHOLE PRESSURE (PSIA)	317.3
<u>MV-Original</u>		<u>DK-Original</u>	
GAS GRAVITY	0.671	GAS GRAVITY	0.6134
COND. OR MISC. (C/M)	M	COND. OR MISC. (C/M)	M
%N2	0.21	%N2	0.14
%CO2	1	%CO2	1.7
%H2S	0	%H2S	0
DIAMETER (IN)	7	DIAMETER (IN)	2.375
DEPTH (FT)	4968	DEPTH (FT)	6990
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	150	BOTTOMHOLE TEMPERATURE (DEG F)	187
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	967	SURFACE PRESSURE (PSIA)	1343
BOTTOMHOLE PRESSURE (PSIA)	1101.0	BOTTOMHOLE PRESSURE (PSIA)	1576.6

NYE 3A 5359502 (271461641034.884) Data: Nov.1977-Jan.2000

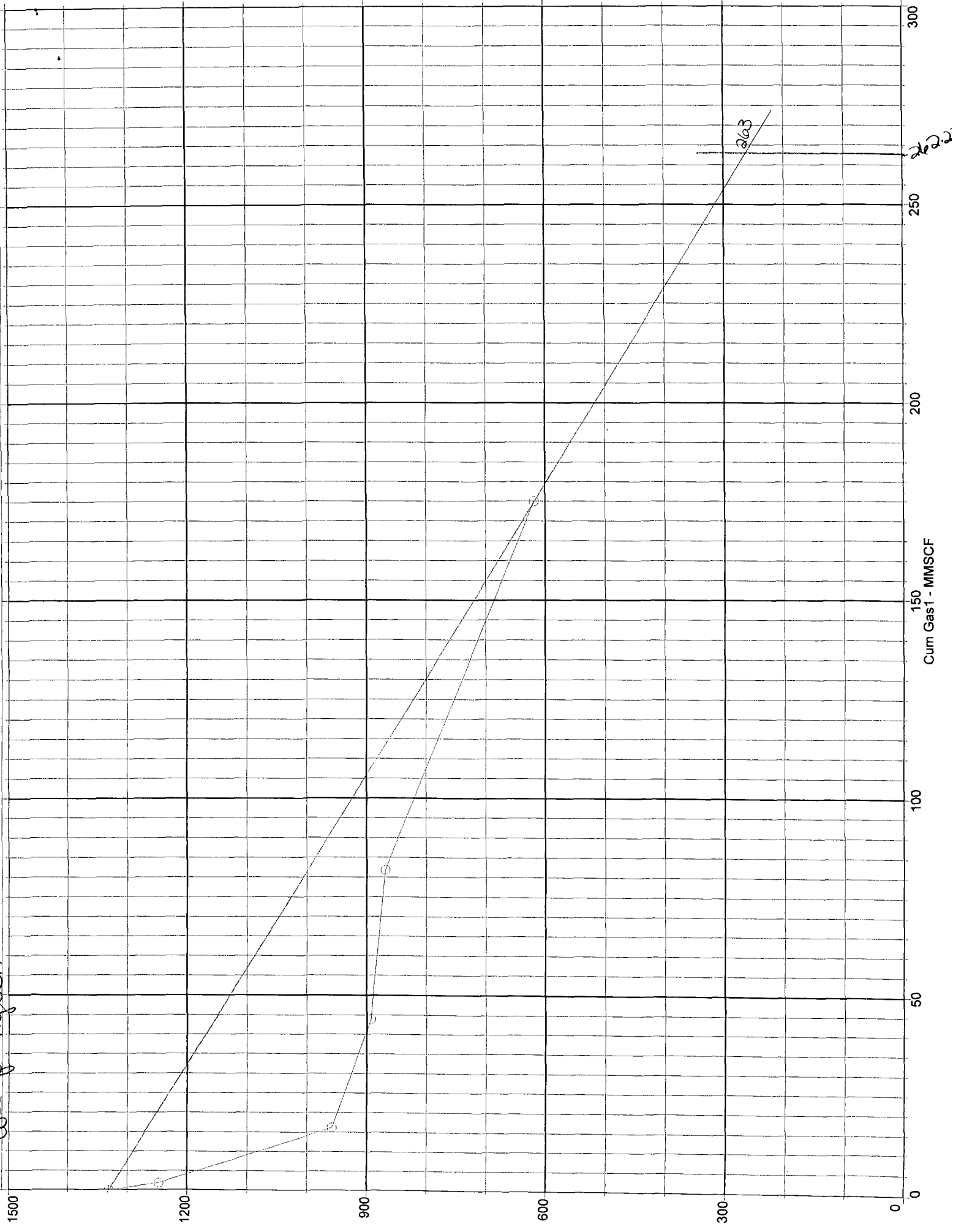


NYE 10E 5363001 (25563790444.339) Data: Jan. 1981-Jan. 2000





DK observed for Nye 3A



DPNO	METERNA	WELLNAME	WELLNO	FRM	Cum MCF	Year	Month	Day	WH Psi			
5359501	34566	NYE	3A	DK		1981	8	26	1,331	original		
offset NYE 10E 5363001						1981	12	24	1,247			
						1982	6	24	958			
						1983	9	8	893			
						1985	12	4	869			
						1993	7	30	619			
					262	2000	3	1	263	current estimated from P/Z data		
5359502	34556	NYE	3A	MV		1977	11	22	955	original		
						1978	6	18	757			
						1979	11	25	507			
						1980	6	24	472			
						1982	6	24	431			
						1984	7	11	453			
						1986	6	11	467			
						1989	6	14	422			
						1991	8	14	444			
						1991	9	10	456			
						1993	7	30	363			
					1,196	2000	3	1	140	current estimated from P/Z data		

DPNO	METERNA	WELLNAME	WELLNO	FRM	DISP_MO	GRS_GAS_PROD	3monavg
5359501	34566	NYE	3A	DK	31-Jan-99	0	
5859501	34566	NYE	3A	DK	28-Feb-99	0	
5359501	34566	NYE	3A	DK	31-Mar-99	0	
5359501	34566	NYE	3A	DK	30-Apr-99	741.16	
5359501	34566	NYE	3A	DK	31-May-99	32.35	
5359501	34566	NYE	3A	DK	30-Jun-99	0	
5359501	34566	NYE	3A	DK	31-Jul-99	0	
5359501	34566	NYE	3A	DK	31-Aug-99	0	
5359501	34566	NYE	3A	DK	30-Sep-99	0	
5359501	34566	NYE	3A	DK	31-Oct-99	0	
5359501	34566	NYE	3A	DK	30-Nov-99	0	
5359501	34566	NYE	3A	DK	31-Dec-99	0	
5359501	34566	NYE	3A	DK	31-Jan-00	449.99	5
5359502	34556	NYE	3A	MV	31-Jan-99	4412.63	
5359502	34556	NYE	3A	MV	28-Feb-99	2963.65	
5359502	34556	NYE	3A	MV	31-Mar-99	4127.34	
5359502	34556	NYE	3A	MV	30-Apr-99	2651.89	
5359502	34556	NYE	3A	MV	31-May-99	3881.27	
5359502	34556	NYE	3A	MV	30-Jun-99	3961.66	
5359502	34556	NYE	3A	MV	31-Jul-99	4020.48	
5359502	34556	NYE	3A	MV	31-Aug-99	7221.38	
5359502	34556	NYE	3A	MV	30-Sep-99	7043.93	
5359502	34556	NYE	3A	MV	31-Oct-99	6611.59	
5359502	34556	NYE	3A	MV	30-Nov-99	6852.76	
5359502	34556	NYE	3A	MV	31-Dec-99	6425.32	
5359502	34556	NYE	3A	MV	31-Jan-00	5005.75	200

NYE 3A

BARBARA BERNSTEIN
BARRY GORDEN SUCC TRUSTEE
BETTY ANN MOORE ADMIN
BEVERLY WHITELEY
BILLIE-DALENEWBRO WILLIAMS
BRADFORD L KIMPLE
CARROLL D BRANYON
CHARLES H BRADSHAW
CLINTON C CARNEY JR TRUSTEE
DAVID G NEWBRO
DORIS WALDMAN
ELIZABETH A JOHNSON
ELLIS W DARBY
FIRST PRESBYTERIAN CHURCH
FRANCES H ROSI & PETER E
FRANKLIN NEWBRO ESTATE
GAENOR NEWBRO WILLSON ESTATE
ILENE GROSS
JEAN B MILLER JR AND
JEAN B MILLER JR TRUSTEE
KAREN KIMPLE NOBREGA
KEYS M ARNOLD
LOUIS DREYFUS NATURAL GAS CORP
MARATHON OIL COMPANY
MARCELINE D GORDON TRUSTEE OF
MELVIN A ASTRAHAN
OIL & GAS DEPT
PALMER L LONG
PAUL AND LAURA ALBRIGHT
PAUL S ALBRIGHT & LAURA Z
PERRY M BERKE
PRISCILLA ANN MILBURN
RITA SHEEHAN
ROBERT W ULMER
ROSALEE F KIMPLE IND ADM
SCOTT A ARNOLD III
SCOTT C KIMPLE
STEVEN H GORDON
SUE STICKLE WELLS EXECUTRIX
SUZAN B BERNHARD/MARTIN S BASKIN
SUZANNE MARTHA NEWBRO
SYRIL ANN JAMES
THE PALMER LONG 1997
W B ULMER JR
WILLIAM BLACK
WILLIAM CARLISLE KIMPLE
WILLIAM HALL NEWBRO JR
BLM - FARMINGTON OFFICE