

DATE IN 1/3/00	SUSPENSE 1/24/00	ENGINEER DC	LOGGED MV	TYPE DHC
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ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
- Engineering Bureau -

2604

**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]

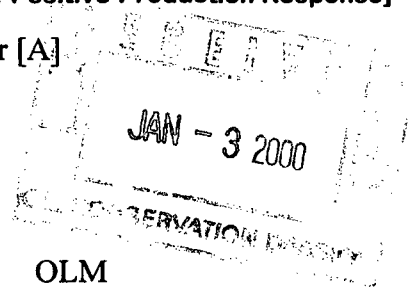
**[1] TYPE OF APPLICATION - Check Those Which Apply for [A]**

[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] 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 PO Box 4289, Farmington, NM 87499**

Operator  
**Waller**

**1A**

Address  
**P-11-32N-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 18637 API NO. 30-045-22457 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 Pictured Cliffs - 72359		Blanco Mesaverde - 72319
2. Top and Bottom of Pay Section (Perforations)	3268-3292		4820-5860
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) 499 psi (see attachment)	a.	a. 597 psi (see attachment)
	b. (Original) 993 psi (see attachment)	b.	b. 709 psi (see attachment)
6. Oil Gravity (EAPI) or Gas BTU Content	BTU 1099		BTU 1104
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)	Yes		Yes
	Date: Rates:	Date: Rates:	Date: Rates:
	Date: 10/31/99 Rates: 35 mcf/d	Date: Rates:	Date: 10/31/99 Rates: 99 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. NMOC 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 J. Z. Dobson TITLE PRODUCTION ENGINEER DATE 12-29-99

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

**NEW 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.

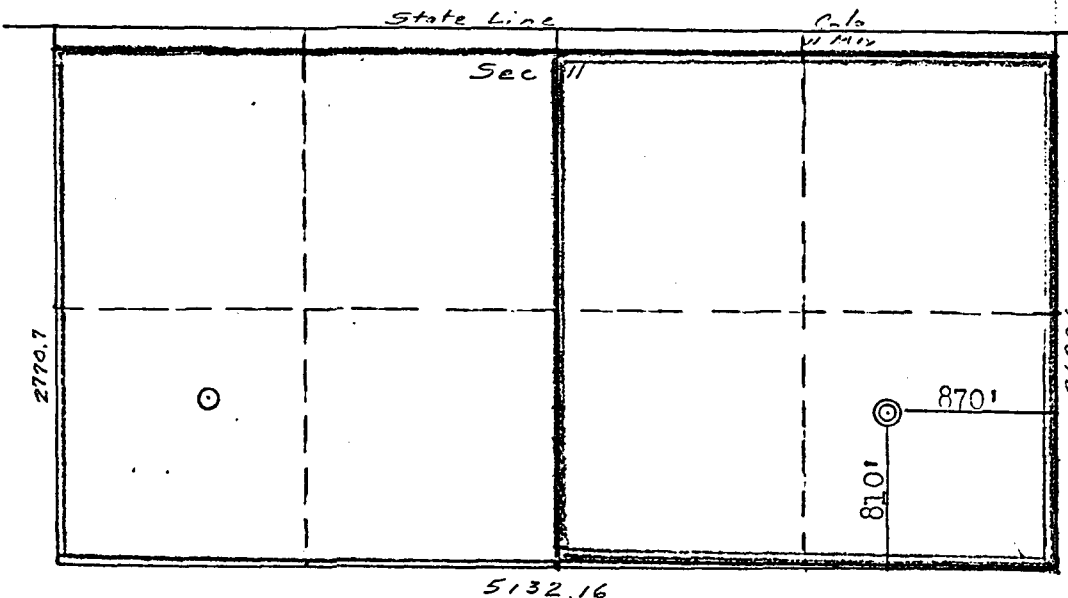
Operator <b>Aztec Oil &amp; Gas Company</b>			Lease <b>Waller Unit</b>		Well No. <b>1A</b>
Unit Letter <b>P</b>	Section <b>11</b>	Township <b>32N</b>	Range <b>11W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>810</b> feet from the <b>South</b> line and <b>870</b> feet from the <b>East</b> line					
Ground Level Elev: <b>6553</b>	Producing Formation <b>Pictured Cliffs-Mesa Verde</b>		Pool <b>Blanco</b>		Dedicated Acreage: <b>MV 334</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. PC, 160 acres
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?

☐ 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**

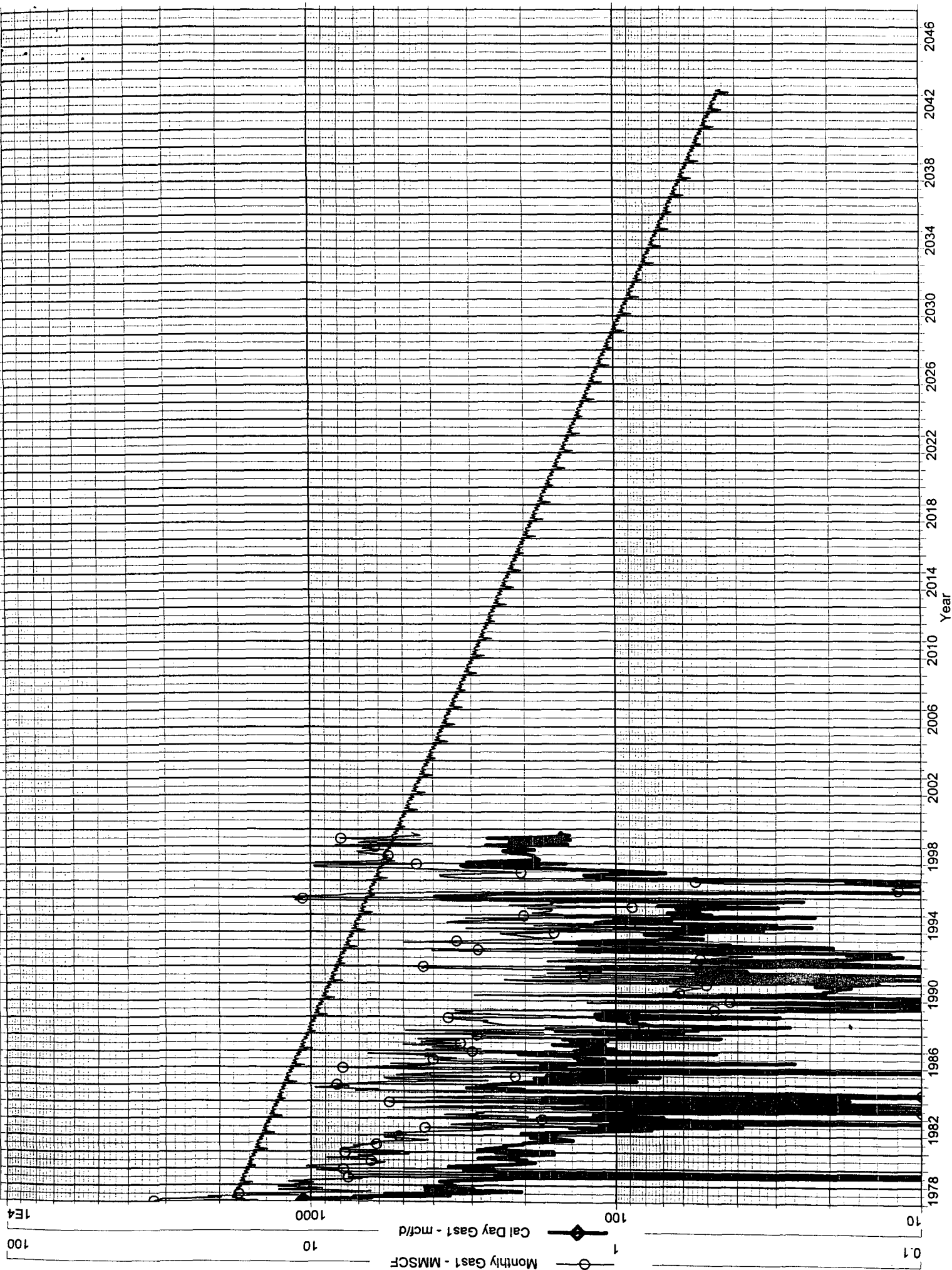
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

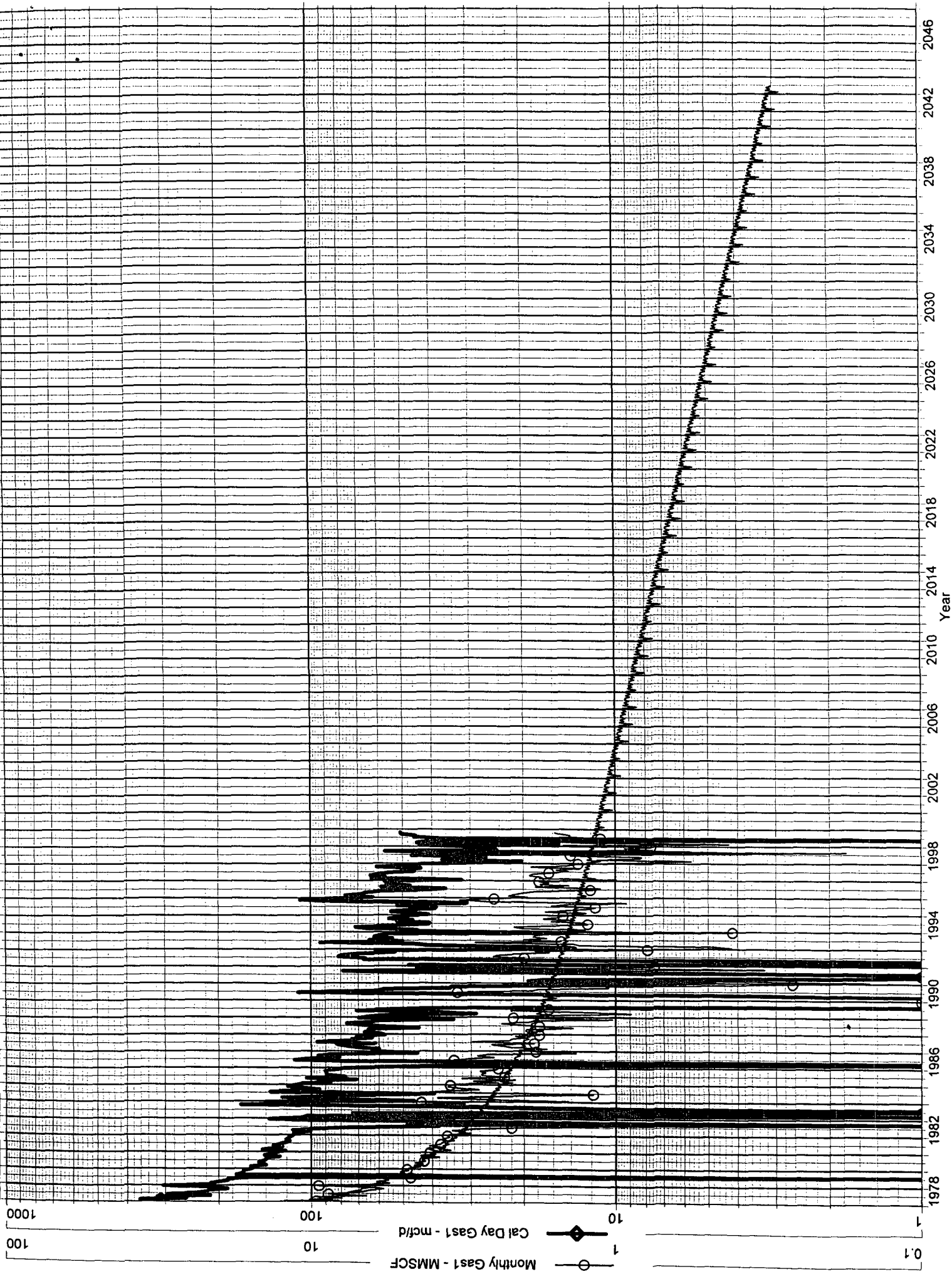
Name: *[Signature]*  
 Position: District Production Manager  
 Company: Aztec Oil & Gas Company  
 Date: March 22, 1977

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: March 8, 1977  
 Registered Professional Engineer and Land Surveyor: *[Signature]*  
Fred B. King Jr.  
 Certificate No.       

Scale: 1"=1000'





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

<b>Mesaverde</b>		<b>Pictured Cliffs</b>	
<b><u>MV-Current</u></b>		<b><u>PC-Current</u></b>	
GAS GRAVITY	0.644	GAS GRAVITY	0.641
COND. OR MISC. (C/M)	M	COND. OR MISC. (C/M)	M
%N2	0.1	%N2	0.10
%CO2	1.92	%CO2	1.88
%H2S	0	%H2S	0
DIAMETER (IN)	2.375	DIAMETER (IN)	7
DEPTH (FT)	5340	DEPTH (FT)	3280
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	144	BOTTOMHOLE TEMPERATURE (DEG F)	112
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	527	SURFACE PRESSURE (PSIA)	462
BOTTOMHOLE PRESSURE (PSIA)	596.9	BOTTOMHOLE PRESSURE (PSIA)	499.4
<b><u>MV-Original</u></b>		<b><u>PC-Original</u></b>	
GAS GRAVITY	0.644	GAS GRAVITY	0.641
COND. OR MISC. (C/M)	M	COND. OR MISC. (C/M)	M
%N2	0.1	%N2	0.10
%CO2	1.92	%CO2	1.88
%H2S	0	%H2S	0
DIAMETER (IN)	2.375	DIAMETER (IN)	7
DEPTH (FT)	5340	DEPTH (FT)	3280
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	144	BOTTOMHOLE TEMPERATURE (DEG F)	112
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	625	SURFACE PRESSURE (PSIA)	913
BOTTOMHOLE PRESSURE (PSIA)	709.0	BOTTOMHOLE PRESSURE (PSIA)	992.5

AIN	METER	WELLNAME	#	FRM	MONTH	PROD	3 MON AVG	Year	Month	Day	WH Pressure	Cum Prod			
8468301	89835	WALLER	1A	MV	31-Jan-99	8303		1977	10	12	613		original		
					28-Feb-99	4025		1977	10	31	613				
					31-Mar-99	6959		1978	2	21	457				
					30-Apr-99	6682		1978	6	30	347				
					31-May-99	4370		1979	6	11	347				
					30-Jun-99	7961		1979	6	30	350				
					31-Jul-99	5293		1980	9	3	350				
					31-Aug-99	4397		1980	9	30	409				
					30-Sep-99	4598		1982	6	10	409				
					31-Oct-99	74	99	1984	9	19	396				
								1984	10	31	348				
								1986	8	11	562				
								1987	4	2	348				
								1989	6	26	322				
								1991	3	18	399				
								1991	10	14	411				
								1993	4	15	297				
								1993	8	15	542				
											515	1101.01	current estimate from P/Z data		
8468302	89834	WALLER	1A	PC	31-Jan-99	1363		1977	10	12	901		original		
					28-Feb-99	427		1978	2	21	792				
					31-Mar-99	1390		1979	6	11	632				
					30-Apr-99	1218		1982	6	11	584				
					31-May-99	3		1984	9	19	565				
					30-Jun-99	1113		1993	6	4	530				
					31-Jul-99	1419					450	607.371	current estimate from P/Z data		
					31-Aug-99	1402									
					30-Sep-99	1513									
					31-Oct-99	306	35								