

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

APPLICATION FOR DOWNHOLE COMMINGLING

Form C-107-A
Revised August 1999

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

Burlington Resources Oil and Gas

PO Box 4289, Farmington, NM 87499

Operator
Day State

1A

Address
A-32-32N-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 18511 API NO. 30-045-22325 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)	3132-3191		4695-5679
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: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a. (Current) 191 psi (see attachment) b. (Original) 1026 psi (see attachment)	a. b.	a. 119 psi (see attachment) b. 856 psi (see attachment)
6. Oil Gravity (EAPI) or Gas BTU Content	BTU 1181		BTU 1195
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no)	Yes		No
* If Shut-In, give date and oil/gas/water rates of last production	Date: Rates:	Date: Rates:	Date: Rates:
Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Date: 10/31/99 Rates: 53 mcf/d	Date: Rates:	Date: 10/31/99 Rates: 188 mcf/d
* If Producing, give date and oil/gas/water rates of recent test (within 60 days)			
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 J. L. Dobson TITLE PRODUCTION ENGINEER DATE 12-29-99

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.

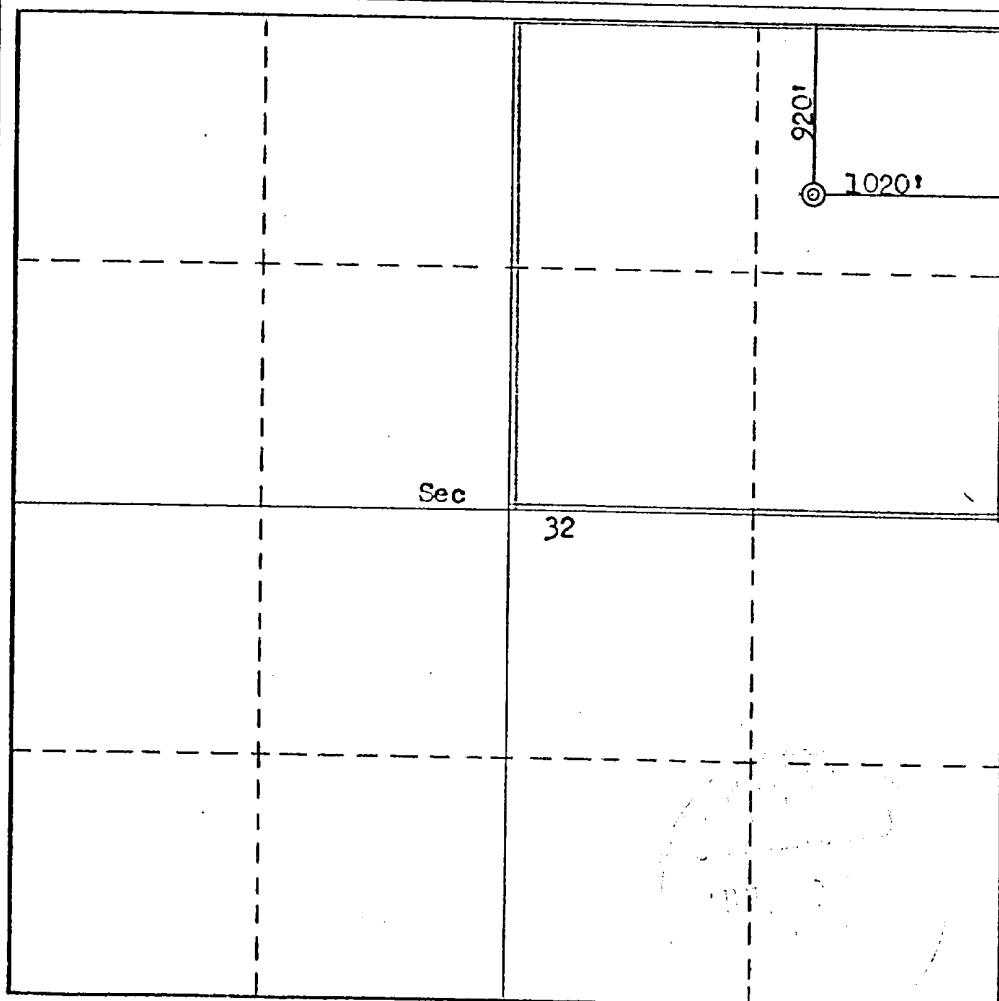
Operator Aztec Oil & Gas Company			Lease Day-State		Well No. 1A
Unit Letter A	Section 32	Township 32N	Range 11W	County San Juan	
Actual Footage Location of Well: 920 feet from the North line and 1020 feet from the East line					
Ground Level Elev. 6453	Producing Formation Pictured Cliffs	Pool Blanco		Dedicated Acreage: 160 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?

☐ 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.



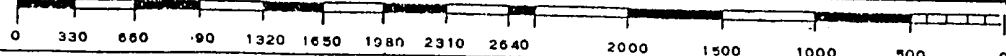
CERTIFICATION

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

Name *Curtis C. Parsons*
 Position **District Engineer**
 Company **Aztec Oil & Gas Company**
 Date **July 26, 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 **December 24, 1976**
 Registered Professional Engineer and/or Land Surveyor
Fred B. Kerr Jr.
 Certificate No. **3950**



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.

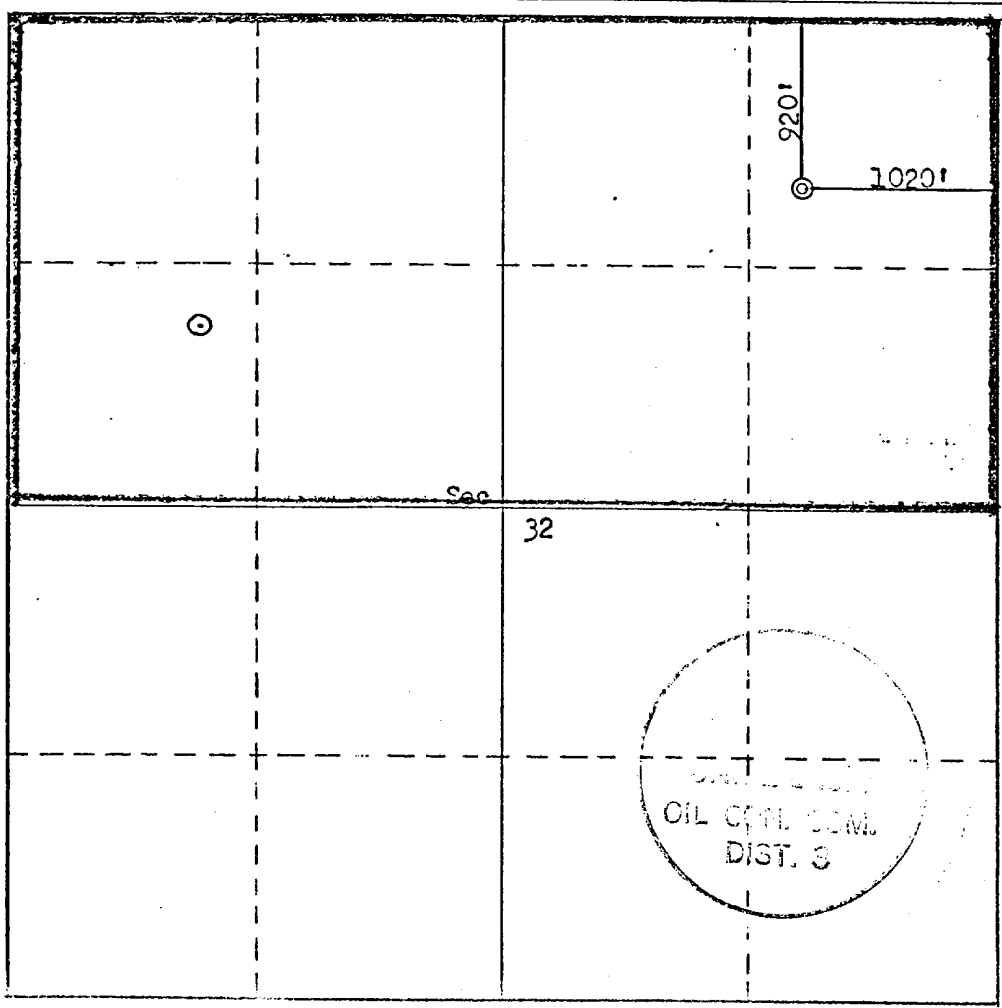
Operator Aztec Oil & Gas Company			Lease Day-State		Well No. 1A
Unit Letter A	Section 32	Township 32N	Range 11W	County San Juan	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 920 feet from the North line and 1020 feet from the East line </div>					
Ground Level Elev. 6453	Producing Formation Mesa Verde	Pool Blanco		Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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?

☐ 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.



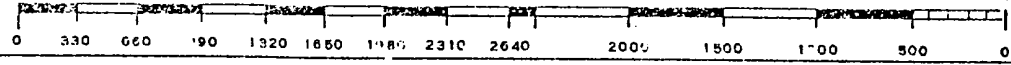
CERTIFICATION

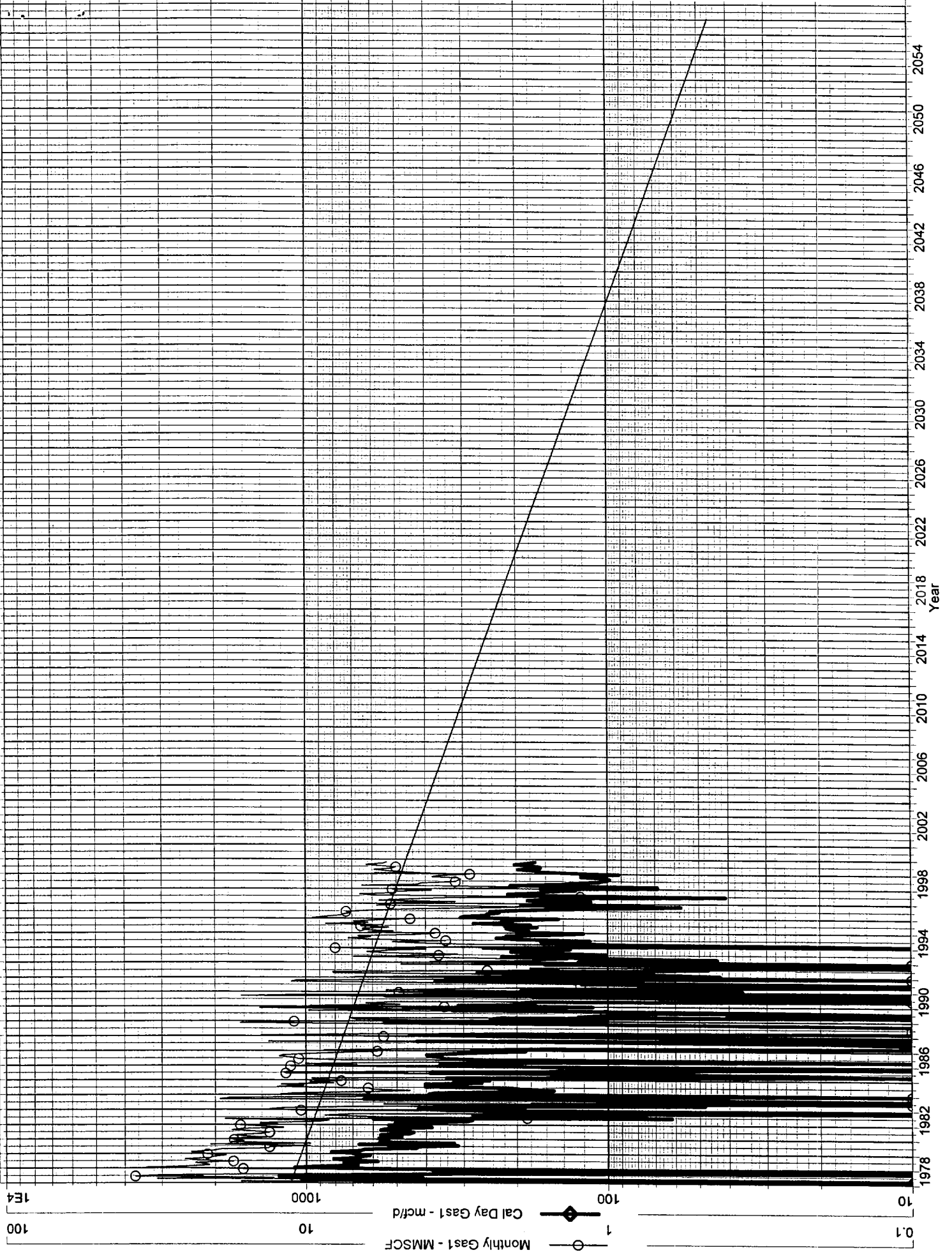
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

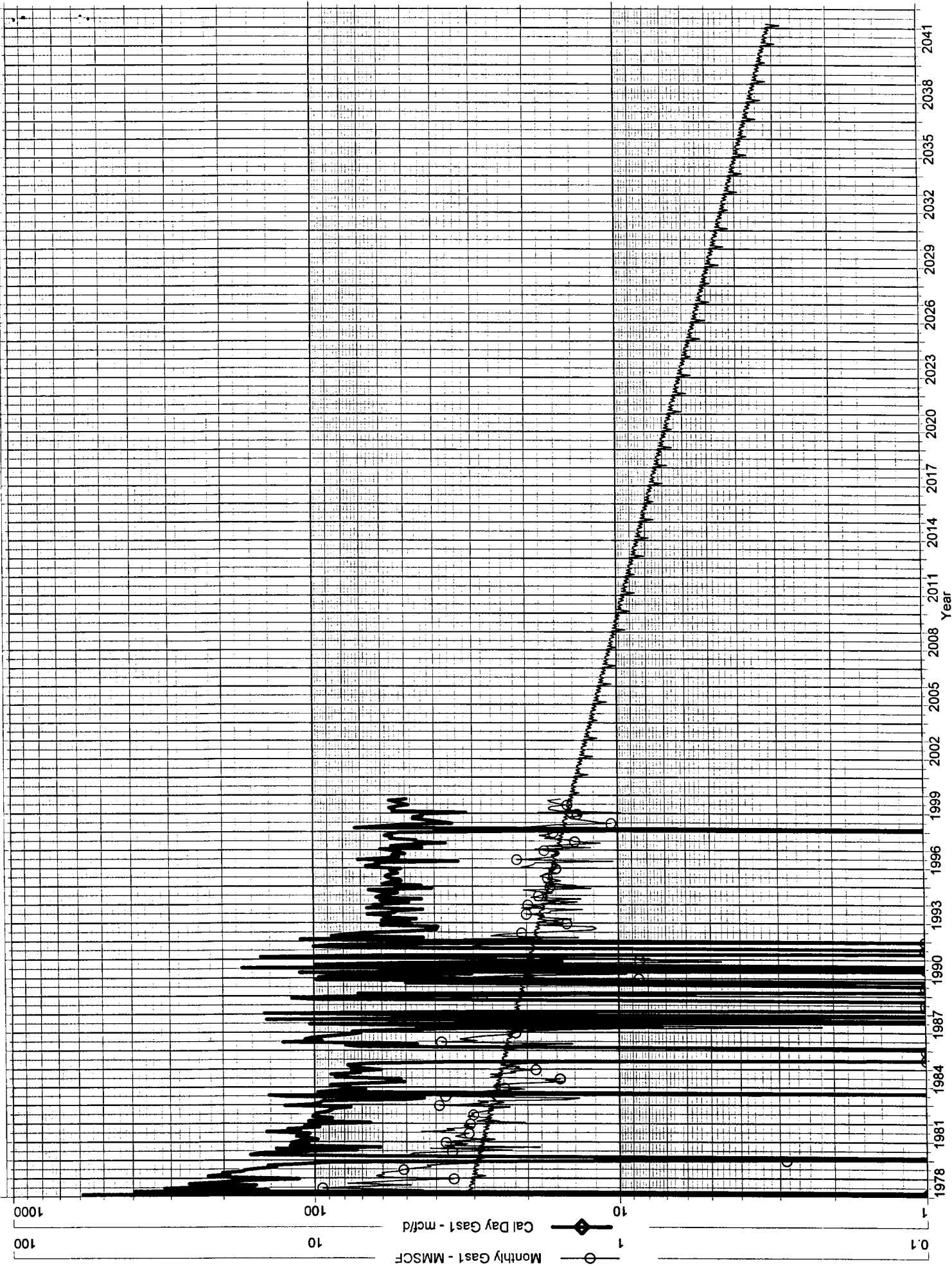
Name	<i>Van Ryan</i>
Position	District Production Manager
Company	Aztec Oil & Gas Company
Date	January 12, 1977

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	December 23, 1976
Registered Professional Engineer and/or Land Surveyor	<i>Fred B. Keir</i>
Certificate No.	3950







Day State #1A
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method

Version 1.0 1/14/98

Mesaverde		Pictured Cliffs	
<u>MV-Current</u>		<u>PC-Current</u>	
GAS GRAVITY	0.693	GAS GRAVITY	0.675
COND. OR MISC. (C/M)	M	COND. OR MISC. (C/M)	M
%N2	0.32	%N2	0.30
%CO2	1.16	%CO2	0.62
%H2S	0	%H2S	0
DIAMETER (IN)	2.375	DIAMETER (IN)	7
DEPTH (FT)	5187	DEPTH (FT)	3162
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	175	BOTTOMHOLE TEMPERATURE (DEG F)	130
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	282	SURFACE PRESSURE (PSIA)	177
BOTTOMHOLE PRESSURE (PSIA)	318.8	BOTTOMHOLE PRESSURE (PSIA)	190.7
<u>MV-Original</u>		<u>PC-Original</u>	
GAS GRAVITY	0.693	GAS GRAVITY	0.675
COND. OR MISC. (C/M)	M	COND. OR MISC. (C/M)	M
%N2	0.32	%N2	0.30
%CO2	1.16	%CO2	0.62
%H2S	0	%H2S	0
DIAMETER (IN)	2.375	DIAMETER (IN)	7
DEPTH (FT)	5187	DEPTH (FT)	3162
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	175	BOTTOMHOLE TEMPERATURE (DEG F)	130
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	750	SURFACE PRESSURE (PSIA)	942
BOTTOMHOLE PRESSURE (PSIA)	856.0	BOTTOMHOLE PRESSURE (PSIA)	1025.7

AIN	METER	WELLNAME	#	FRM	MONTH	PROD	3 MON AVG	Year	Month	Day	WH Pressure	Cum Prod			
1162601	34527	DAY STATE	1A	MV	31-Jan-99	4074		1977	5	10	738		original		
					28-Feb-99	4703		1977	6	30	681				
					31-Mar-99	5393		1977	7	31	608				
					30-Apr-99	5914		1977	8	31	593				
					31-May-99	5161		1977	9	30	533				
					30-Jun-99	5012		1977	10	31	450				
					31-Jul-99	5604		1977	11	30	508				
					31-Aug-99	6282		1978	7	26	681				
					30-Sep-99	5547		1979	6	17	608				
					31-Oct-99	5355	188	1980	4	8	593				
								1982	4	7	533				
								1984	6	26	450				
								1986	6	10	508				
								1989	11	28	445				
								1991	6	3	425				
								1991	10	21	413				
								1993	6	29	362				
											270	1936.68	current estimate from P/Z data		
1162602	34547	DAY STATE	1A	PC	31-Jan-99	974		1977	5	10	930		original		
					28-Feb-99	1535		1978	3	5	758				
					31-Mar-99	1675		1979	6	1	572				
					30-Apr-99	1683		1980	4	8	593				
					31-May-99	1646		1982	4	7	533				
					30-Jun-99	1461		1984	6	26	543				
					31-Jul-99	1579					165	560.087	current estimate from P/Z data		
					31-Aug-99	1657									
					30-Sep-99	1688									
					31-Oct-99	1528	53								