

TABULATION OF DEVIATION TEST AMOCO PRODUCTION COMPANY

<u>DEPTH</u>	<u>DEVIATION</u>	<u>DEPTH</u>	<u>DEVIATION</u>
<u>155'</u>	<u>1.00</u>	<u> </u>	<u> </u>
<u>655'</u>	<u>1.25</u>	<u> </u>	<u> </u>
<u>1149'</u>	<u>1.50</u>	<u> </u>	<u> </u>
<u>1644'</u>	<u>1.00</u>	<u> </u>	<u> </u>
<u>1952'</u>	<u>1.50</u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
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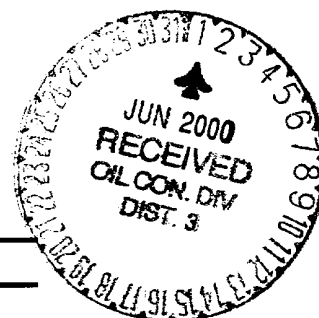
AFFIDAVIT

THIS IS TO CERTIFY that to the best of my knowledge, the above tabulation details the deviation test taken on AMOCO PRODUCTION COMPANY'S:

Archuleta Gas Com A 1B *N*
840' FSL & 2070' FWL, SEC 5, T29N, R09W
SAN JUAN COUNTY, NEW MEXICO

Signed: *Mary Corley*

Title: SR. Business Analyst



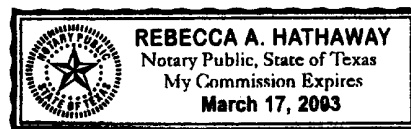
THE STATE OF TEXAS)
) ss.
 COUNTY OF HARRIS)

BEFORE ME, the undersigned authority, on this day personally MARY CORLEY known to me to be a SR. Business Analyst for Amoco Production company and to be the person whose name is subscribed to the above statement, who being by me dully sworn on oath, states that she has knowledge of the facts stated herein and that said statement is true and correct.

SUBSCRIBED AND SWORN to before me, a Notary Public in and for said County and State this 31 day of May, 2000.

Rebecca A. Hathaway
 Notary Public

My Commission Expires: March 17, 2003



Submit to appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.	30-045-30189
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	Archuleta Gas Com A
8. Well No.	1B
9. Pool name or Wildcat	Blanco Mesaverde

WELL COMPLETION OR RECOMPLETION REPORT AND LOG			
1a. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>			
b. Type of Completion: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <input type="checkbox"/> OTHER <input type="checkbox"/>			
2. Name of Operator Amoco Production Company			
3. Address of Operator P.O. Box 3092 Houston, TX 77253			
4. Well Location Unit Letter N : 840 Feet From The South Line and 2070 Feet From The West Line Section 5 Township 29N Range 9W NMPM San Juan County			
10. Date Spudded 04-22-00	11. Date T.D. Reached 04-29-00	12. Date Compl. (Ready to Prod.) 05-23-00	13. Elevations (DF & RKB, RT, GR, etc.) 5583'
14. Elev. Casinghead			
15. Total Depth 4674'	16. Plug Back T.D. 4521'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools YES Cable Tools NO
19. Producing Interval(s), of this completion - Top, Bottom, Name 3658' - 4475' Blanco Mesaverde			20. Was Directional Survey Made
21. Type Electric and Other Logs Run TDT			22. Was Well Cored

23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8" J 55	36#	148'	12 1/2"	300 SXS CLS B to Surface	
7" WC 50	20#	1952'	8 3/4"	290 SXS CLS B to Surface	

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
4 1/2"	1760'	4647'	322 SXS		2 3/8"	4246'
26. Perforation record (interval, size, and number)				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.		
1. 4207' - 4475' 2 JSPF .330 inch diameter, total 44 shots				DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	
2. 3658' - 4033' 2 JSPF .330 inch diameter, total 46 shots				4207' 4475'	98.000# 16/30 Arizona Sand & Slickwater	
				3658' 4033'	98.000# 16/30 Arizona Sand & Slickwater	

28. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
		Flowing				Shut in	
Date of Test	Hours Tested	Choke Size	Prod'n For	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
18 May 2000	13 1/2	Choke Size	Test Period	Trace	1500	Trace	
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	
	325#						
29. Disposition of Gas (Sold, used for fuel, vented, etc.)						Test Witnessed By	
To Be Sold							

30. List Attachments			
31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief			
Signature <i>Mary Corley</i>	Printed Name Mary Corley	Title Sr. Business Analyst	Date 05-30-2000

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

T. Anhy	T. Canyon
T. Salt	T. Strawn
B. Salt	T. Atoka
T. Yates	T. Miss
T. 7 Rivers	T. Devonian
T. Queen	T. Silurian
T. Grayburg	T. Montoya
T. San Andres	T. Simpson
T. Glorieta	T. McKee
T. Paddock	T. Ellenburger
T. Blinebry	T. Gr. Wash
T. Tubb	T. Delaware Sand
T. Drinkard	T. Bone Springs
T. Abo	T.
T. Wolfcamp	T.
T. Penn	T.
T. Cisco (Bough C)	T.

Northwestern New Mexico

T. Ojo Alamo	1116	T. Penn. "B"
T. Kirtland-Fruitland	1223	T. Penn. "C"
T. Pictured Cliffs	2117	T. Penn. "D"
T. Cliff House	3743	T. Leadville
T. Menefee	3896	T. Madison
T. Point Lookout	4370	T. Elbert
T. Mancos	4495	T. McCracken
T. Gallup		T. Ignacio Otzte
Base		T. Granite
Greenhorn		T.
T. Dakota		T.
T. Morrison		T.
T. Todilto		T.
T. Entrada		T.
T. Wingate		T.
T. Chinle		T.
T. Permian		T.
T. Penn "A"		T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....	No. 3, from.....to.....
No. 2, from.....to.....	No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....	feet.....
No. 2, from.....to.....	feet.....
No. 3, from.....to.....	feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
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COMPLETION SUBSEQUENT REPORT
Archuleta Gas Com A 1B
05/30/2000

05/03/2000 MIRUSU & NU TBG Head & Frac Valve. Pressure test CSG to 3000#. Held OK.

05/05/2000 RU & Ran TDT logs.

05/09/2000 RU & Perf 1st stage - the Point Lockout formation @ the following intervals with 2 JSPF, .330 inch diameter, total 44 shots:

4207'	4272'	4389'	4422'	4453'
4212'	4276'	4398'	4428'	4459'
4218'	4344'	4402'	4433'	4467'
4223'	4373'	4410'	4447'	4475'
4266'	4382'			

05/10/2000 RU & Frac 1st stage 4207' - 4475' pumped /500 GALS of 15% HCL Acid ahead then 98,000# 16/30 Arizona sand & Slickwater Gel. RU & TIH w/CIBP & set @ 4120'. RU & Perf 2nd stage - the Cliffhouse Formation @ the following intervals with 2 JSPF, .330 inch diameter, total 46 shots:

3658'	3768'	3814'	3866'	3894'
3689'	3779'	3824'	3872'	4009'
3736'	3786'	3843'	3881'	4025'
3749'	3791'	3852'	3888'	4033'
3758'	3807'	3862'		

RU & Frac 2nd Stage 3658' - 4033' - pumped 500 GAL of 15% HCL Acid ahead then Frac w/98,000# 16/30 Arizona sand & Slickwater Gel. SDFN.

05/11/2000 MIRUSU BD well & ND Frac valve & NU BOP. SDFN.

05/12/2000 TIH & PU mill & TBG. Tag fill @ 3655'. C/O fill to CIBP set @ 4120'. SI well overnight.

05/13/2000 Flow back w/watchman for 12 hrs on ¼" choke. Starting PSI 220#. Final PSI 75#. Shut in well.

05/15/2000 Open well & BD. TIH & C/O fill on CIBP. Mill Up CIBP & finish TIH. PU TBG & C/O to hard PBTD of 4521'. Circ. hole clean & TOH to top of liner & RU to flow back well on ¼" choke. Starting PSI 40#.

05/16/2000 Flowback w/watchman w/ ¼" choke until daylight. @ 0600 hrs. TIH & tag 60' of fill. C/O & TOH above liner to flow well to pit. Flow well w/ choke & watchman overnight.

05/17/2000 TIH & tag 38' fill. C/O to PBTD & TOH to flow well full open for 2 ½ Hrs. TIH & tag for reference. Flow well overnight w/watchman on ¼" choke.

05/18/2000 Flow test well up CSG on w/ ¼" choke for 13 ½ hrs. 1500 MCF gas, trace oil, trace WTR. SICP 325#, FCP 85#. TIH w/TBG & start TOH LD TBG on float. SDFN

COMPLETION SUBSEQUENT REPORT
Archuleta Gas Com A 1B
05/30/2000

05/19/2000 PU TBG. TIH & tag 60' fill. C/O fill to bottom. TOH to liner top & secure well & TBG. SDFN.

05/20/2000 Flow well to pit thru 3/4" choke for 8 hrs - 1805 MCFD. SWI.

05/21/2000 Flow well to pit thru 3/4" choke for 8 hrs - 1800 MCFD. SWI.

05/22/2000 BD TBG. TIH & tag 0 fill. TOH. TIH w/production TBG & land @ 4246'. ND BOP & NUWH. Pull TBG plug. SWI.

05/23/2000 RDMOSU Rig released @ 1030 hrs.

PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address AMOCO PRODUCTION COMPANY P.O. BOX 3092 ATTN: MARY CORLEY Rm. 2.537 HOUSTON, TX 77253		² OGRID Number 000778
		³ Reason for Filing Code New Well
⁴ API Number 30 - 045-30189	⁵ Pool Name BLANCO MESAVERDE	⁶ Pool Code 72319
⁷ Property Code 000269	⁸ Property Name Archuleta Gas Com A	⁹ Well Number 1B

II. ¹⁰ Surface Location


UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
N	5	29N	9W		840'	South	2070'	West	SAN JUAN

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Lse Code P (Fee)	¹³ Producing Method Code F	¹⁴ Gas Connection Date		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date	

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
151618	EL PASO FIELD SERVICES P.O. BOX 4490 FARMINGTON, NM 87499	2825699	G	
9018	GIANT REFINING CO P.O. BOX 12999 SCOTTSDALE, AZ 85267	2825698	O	



IV. Produced Water

²³ POD 2825700	²⁴ POD ULSTR Location and Description
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V. Well Completion Data

²⁵ Spud Date 04/22/2000	²⁶ Ready Date 05/23/2000	²⁷ TD 4674'	²⁸ PBD 4521'	²⁹ Perforations 3658' - 4475'	³⁰ DHC, DC, MC
³¹ Hole Size 12 1/4"	³² Casing & Tubing Size 9 5/8" 36#	³³ Depth Set 148'		³⁴ Sacks Cement 300 SXS CLS B to SURFACE	
8 3/4"	7" 20#	1952'		290 SXS CLS B LEAD & TAIL to SURF	
6 1/4" (PROD. LINER)	4 1/2" 10.5#	4647'		322 SXS CLS A & 50/50 to 1760'	
TUBING	2 3/8"	4645' 42 46			

VI. Well Test Data

³⁵ Date New Oil 04/22/2000	³⁶ Gas Delivery Date	³⁷ Test Date 05/18/2000	³⁸ Test Length 13 1/2 Hrs.	³⁹	⁴⁰ Csg. Pressure 325#
⁴¹ Choke Size 3/4"	⁴² Oil TRACE	⁴³ Water TRACE	⁴⁴ Gas 1500 MCF	⁴⁵ AOF	⁴⁶ Test Method F

⁴⁷ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Mary Corley

Printed name:

MARY CORLEY

Title:

SENIOR BUSINESS ANALYST

Date: 05/30/2000

Phone: 281-366-4491

OIL CONSERVATION DIVISION

Approved by:

J. S.
SUPERVISOR DISTRICT #3

Approval Date:

JUN - 1 2000

⁴⁸ If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date
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