

District I - (505) 393-6161  
 1625 N. French Dr  
 Hobbs, NM 88241-1980  
 District II - (505) 748-1283  
 811 S. First  
 Artesia, NM 88210  
 District III - (505) 334-6178  
 1000 Rio Brazos Road  
 Aztec, NM 87410  
 District IV - (505) 827-7131

New Mexico  
 Energy Minerals and Natural Resources Department  
 Oil Conservation Division  
 2040 South Pacheco Street  
 Santa Fe, New Mexico 87505  
 (505) 827-7131

Form C-142  
 Revised 06/99

RECEIVED  
 SUBMIT ORIGINAL PLUS 2 COPIES TO THE SANTA FE OFFICE  
 OCT 14 1999

APPLICATION FOR NEW WELL STATUS

RECEIVED  
 OCT 12 1999  
 OIL CON. DIV.  
 DIST. 3

I. Operator and Well

Operator name & address <b>Amoco Production Company P.O. Box 3092 Houston, TX 77253</b>				GRID Number <b>000778</b>				
Contact Party <b>Mary Corley</b>				Phone <b>281-366-4491</b>				
Property Name <b>Roelofs B</b>			Well Number <b>2B</b>		API Number <b>30-045-29712</b>			
UL <b>H</b>	Section <b>15</b>	Township <b>29N</b>	Range <b>8W</b>	Feet From The <b>2145'</b>	North/South Line <b>North</b>	Feet From The <b>1125'</b>	East/West Line <b>East</b>	County <b>San Juan</b>

II. Date/Time Information

Spud Date <b>September 3 1999</b>	Spud Time <b>10:30 pm</b>	Date Completed <b>September 30 1999</b>	Pool <b>Blanco Mesaverde</b>
--------------------------------------	------------------------------	--	---------------------------------

- III. Attach copies of Form C-103 or Federal Form 3160-5 showing date/time of drilling commenced and Form C-105 or Federal Form 3160-4 showing well was completed as a producer.
- IV. Attach a list of all working interest owners with their percentage interests.

V. AFFIDAVIT:

State of Texas )  
 ) ss.  
 County of Harris )

Mary Corley, being first duly sworn, upon oath states:

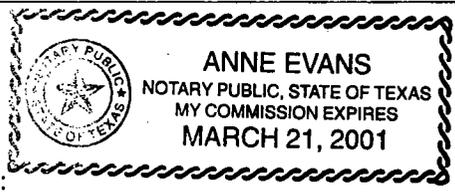
- I am the Operator, or authorized representative of the Operator, of the above-referenced well.
- To the best of my knowledge, this application is complete and correct.

Signature Mary Corley Title Senior Business Analyst Date October 1 1999

SUBSCRIBED AND SWORN TO before me this 1 day of October, 1999

Anne Evans  
Notary Public

My Commission expires: March 21 2001



FOR OIL CONSERVATION DIVISION USE ONLY:  
 VI. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a New Well. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval.

Signature District Supervisor <u>Mark Kelly</u>	OCD District <u>P.E. Spivey</u>	Date <u>NOV 3 0 1999</u>
--	------------------------------------	-----------------------------

VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: 11/30/99

NOTICE: The operator must notify all working interest owners of this New Well certification.

P12V2007038694

PROF. S.  
OUR GOVT. SERV.

W  
REGISTRATION

APR 1 1968

APR 1 1968

APR 1 1968

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

RECEIVED

SEP 24 AM 9:43

CITIZEN SERVICE CENTER

5. Lease Designation and Serial No.  
SF - 078415

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
ROELOFS B 2B

9. API Well No.  
30-045-29712

10. Field and Pool, or Exploratory Area  
BLANCO MESAVERDE

11. County or Parish, State  
SAN JUAN NEW MEXICO

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
AMOCO PRODUCTION COMPANY  
Attention: Mary Corley

3. Address and Telephone No.  
P.O. BOX 3092 HOUSTON, TX 77253 281-366-4491

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2145' FNL 1125' FEL Sec. 15 T 29N R 8W UNIT H

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Spud & Set Casing
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

@ 22:30 hrs.

MIRU drilling rig. Spud a 12 1/4" surface hole on 9/3/99. Drilled to 278' & set 9 5/8" 32.3# WC-50 surface CSG to 275'. CMT w/169 SXS CLS B w/2% CACL 2 & .25#/SX cellophane flakes & displaced to baffle insert & circ 10 BBLS of good CMT to surface. Test CSG to 750 PSI HI & 250 Low. Tested OK.

Drilled a 8 3/4" hole to 2618'. RU to run casing. Set 7" 20# WC-50 CSG to 2618'. CMT w/180 SXS CLS B lead and 139 SXS tail. Good Circ. Tag CMT in 7" CSG @ 2540' & TOC @ 350'. Tested CSG to 750 PSI HI & 250 PSI Low. Tested OK.

Drilled a 6 1/4" hole to 5444'. Set 4 1/2" 10.5# WC-50 production liner to 5442'. TOL @ 2504'. CMT w/200 SXS CLS A CMT. TOC @ 2504'.

Rig released @ 9:00 hrs. on 9/11/99.

14. I hereby certify that the foregoing is true and correct

Signed Mary Corley Title Sr. Business Analyst Date 09-20-1999

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any: \_\_\_\_\_

ACCEPTED FOR RECORD  
SEP 24 1999

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

FARMINGTON FIELD OFFICE  
BY [Signature]

\* See Instructions on Reverse  
OPERATOR

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

(See other instructions on reverse side)

FOR APPROVED  
OMB NO. 1004-0137  
Expires: December 31, 1991

**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"/>						5. LEASE DESIGNATION AND SERIAL NO. <b>SF-078415</b>	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/>						6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR <b>AMOCO PRODUCTION COMPANY</b>						7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. <b>P.O. BOX 3092, Houston, TX</b>						8. FARM OR LEASE NAME, WELL NO. <b>Roelofs B 2B</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface <b>2145' FNL</b> <b>1125' FEL</b>						9. API WELL NO. <b>30-045-29712</b>	
At top prod. interval reported below						10. FIELD AND POOL, OR WILDCAT <b>Blanco Mesaverde</b>	
At total depth <b>Unit H</b>						11. SEC., T., R., M., OR BLOCK. AND SURVEY OR AREA Section <b>15</b> Township <b>29N</b> Range <b>8W</b>	
14. PERMIT NO.				DATE ISSUED		12. COUNTY OR PARISH <b>San Juan</b>	13. STATE <b>New Mexico</b>
15. DATE SPUDDED <b>09/03/1999</b>		16. DATE T.D. REACHED <b>09/10/1999</b>		17. DATE COMPL. (Ready to prod.) <b>09/30/1999</b>		18. ELEVATIONS (DF, RKB, RT, GR, ETC.) <b>6307' G L</b>	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD <b>5444</b>		21. PLUG, BACK T.D., MD & TVD <b>5353'</b>		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY		ROTARY TOOLS <b>YES</b>		CABLE TOOLS <b>NO</b>		25. WAS DIRECTIONAL SURVEY MADE <b>NO</b>	
PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* <b>Blanco Mesaverde 4626' - 5314'</b>						27. WAS WELL CORED <b>N</b>	
26. TYPE ELECTRIC AND OTHER LOGS RUN <b>CVL, TDT, &amp; CCL</b>							
28. CASING RECORD (Report all strings set in well)							
CASING SIZE/GRADE		WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD		AMOUNT PULLED
9 5/8" WC-50		32.3#	275'	12 1/2"	169 SXS TO SURFACE		
7" WC-50		20#	2618'	8 3/4"	319 SXS CLS B CMT Lead & Tail		
29. LINER RECORD							
SIZE		TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)
4 1/2"		2504'	5442'	200 SXS CLS A		2 3/8"	5161'
30. TUBING RECORD							
PERFORATION RECORD (Interval, size, and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
1. 5046' - 5314' w/2 JSPF, .530 in. diameter, total 34 shots				DEPTH INTERVAL (MD)			
2. 4626' - 4940' w/1 JSPF, .530 in diamtr, total 15 shots				AMOUNT AND KIND OF MATERIAL USED			
5046'		5314'		88,770 SCF N2 & 85,000# 16/30 Arizona Sand			
4626'		4940'		931 SCF N2 & 80,000# 16/30 Arizona Sand			
33.* PRODUCTION							
DATE FIRST PRODUCTION <b>09/30/1999</b>		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) <b>Flowing</b>				WELL STATUS (Producing or shut-in) <b>SI</b>	
DATE OF TEST <b>09/30/1999</b>	HOURS TESTED <b>14 hrs</b>	CHOKE SIZE <b>3/4"</b>	PROD'N FOR TEST PERIOD	OIL - BBL. <b>Trace</b>	GAS - MCF. <b>2100 MCF</b>	WATER - BBL. <b>Trace</b>	GAS-OIL RATIO
FLOW TUBING PRESS <b>0</b>	CASING PRESSURE <b>100 #</b>	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) <b>TO BE SOLD</b>						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS							

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Mary Corley TITLE Sr. Business Analyst DATE 09-30-1999

(See Instructions and Spaces for Additional Data on Reverse Side)

Roelofs B 2B

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	1998'		Sandstone			
Kirtland	2108'		Sandstone			
Fruitland	2668'		Coal			
Lewis Shale	3048'		Shale			
Cliff House	4608'		Sandstone			
Menefee Shale	4803'		Sandstone			
Point Lookout	5208'		Sandstone			
Mancos	5333'		Shale			

**ROELOFS B # 2B**  
**COMPLETION SUBSEQUENT REPORT**  
**9/30/99**

**9/15/99 MIRUSU NU Wellhead & Frac valve - pressure test CSG to 3000#. Test failed. RD wellhead. Ran CVL, TDT, & CCL logs.**

**9/16/99 RU & spear CSG PU to remove mandrill. Backoff CSG 1 Jt down & LD wireline. Run 1 JT & screw back in to collar. SDFN.**

**9/17/99 Set slips NU TBG Head. PSI test failed @ 2500#. Wait on spear. LD CSG. Pickup another Sub & screw back into collar w/tongs. PU & retest slips. NU TBG head & valve. Pressure test to 3000#. Lost 100# in 10 min. SDFN.**

**9/20/99 Test CSG 3000 #. Test failed. PU PKR set below 60'. CSG held OK. PU above backoff collar. Test failed. LD tools & SDFN.**

**9/21/99 RU & pump CMT down bradenhead. SI w/950#. SDFN.**

**9/22/99 Tested CSG to 3000#. Held Ok.**

**9/23/99 RU to perf. Could not pull gun past tight spot just inside liner. Gauge ring goes to bottom Ok. Shorten funs & was able to perf in 3 runs. Held 1500# on CSG for first shot. Dropped to 0 immediately. RU & Perf 1<sup>st</sup> stage - the Menefee and Point Lockout formations @ the following intervals with 2 JSPF, .530 inch diameter, total 34 shots:**

5046'	5162'	5225'	5274'
5068'	5176'	5240'	5284'
5076'	5198'	5260'	5304'
5138'	5214'	5268'	5314'
5150'			

**9/25/99 Frac 1<sup>st</sup> stage 5046' - 5314' w/88,770 SCF N2 & 85,000# 16/30 Arizona sand. RU & set BP @ 4980'. RU & perf 2<sup>nd</sup> stage - Cliff House & Menefee Shale Formations @ the following intervals with 1 JSPF, .530 inch diameter, total 15 shots:**

4626'	4754'	4799'	4886'
4633'	4766'	4824'	4911'
4734'	4772'	4856'	4940'
4742'	4785'	4868'	

**Frac 2<sup>nd</sup> Stage 4626' - 4940' - pumped 500 GAL of 15% HCL Acid ahead then Frac w/ 80,000# 16/30 Arizona sand & 70% quality N2 foam (931 SCF N2) - flushed w/N2 foam. ISIP 1662#, 5 min SI 1460#, 10 min SI 1437#. RU flowback tree - flow well w/3/4" choke to pit overnight w/watchman.**

**9/26/99 Flowback well w/3/4" choke & watchman to clean up after Frac.**

(continued on back)

**ROELOFS B # 2B  
COMPLETION SUBSEQUENT REPORT  
9/30/99**

*9/27/99 Blowdown well & RU to ND frac valve & NU BOP. TIH w/bit & PU 2 3/8" TBG. SDFN.*

*9/28/99 Finish TIH PU TBG tag sand @ 4933'. C/o sand to CIBP @ 4980'. Drillout CIBP. PU above liner & RU to flow well. Bottom zone unloaded. Well flowing. RU & flow well w/3/4" choke & watchman.*

*9/29/99 Flow well w/watchman. TIH & tag fill @ 5329'. Drill hard CMT to PBD of 5353'. PU & flow well 2 hrs. to tag - 0 fill. PU to flow well. Flow well w/watchman.*

*9/30/99 Test well up CSG. 14 hrs. 2100 MCF Gas, initial CSG 110# - final 100#. TBG pressure 0, trace oil. TIH w/ 2 3/8" TBG. TBG landed @ 5161'.*

*9/30/99 RDMOSU 16:30 hrs.*

District I  
 PO Box 1980, Hobbs NM 88241-1980  
 District II  
 PO Drawer KK, Artesia, NM 87211-0719  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
 Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
 PO Box 2088  
 Santa Fe, NM 87504-2088

Form C-102  
 Revised February 21, 1994  
 Instructions on back  
 Submit to Appropriate District Office  
 State Lease - 4 Copies  
 Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

* API Number 30-045-29712		* Pool Code 72319		* Pool Name Blanco Mesaverde		
* Property Code		* Property Name ROELOFS B			* Well Number # 2B	
* OGRID No. 000778		* Operator Name AMOCO PRODUCTION COMPANY			* Elevation 6307	

10 Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn	Foot from the	North/South line	Foot from the	East/West line	County
H	15	29 N	8 W		2145	NORTH	1125	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Foot from the	North/South line	Foot from the	East/West line	County

12 Dedicated Acres 320	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTEREST HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>16</p> <p>5160'</p> <p>2145'</p> <p>1125'</p> <p>15</p> <p>5205'</p>	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Mary Corley</i></p> <p>Signature</p> <p>Mary Corley</p> <p>Printed Name</p> <p>Sr. Business Analyst</p> <p>Title</p> <p>9/30/99</p> <p>Date</p>
	<p>18 SURVEYOR CERTIFICATION</p> <p>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 belief.</p> <p>August 28, 1998</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <p>7016</p> <p>Certificate Number</p>

**TABULATION OF DEVIATION TEST  
AMOCO PRODUCTION COMPANY**

<u>DEPTH</u>	<u>DEVIATION</u>	<u>DEPTH</u>	<u>DEVIATION</u>
<u>3118'</u>	<u>1.75</u>	<u>          </u>	<u>          </u>
<u>3613'</u>	<u>1.25</u>	<u>          </u>	<u>          </u>
<u>4111</u>	<u>1.50</u>	<u>          </u>	<u>          </u>
<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
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<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>

**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:**

**ROELOFS B # 2B**  
**2145' FNL & 1125' FEL SEC 15 T29N R8W UNIT H**  
**SAN JUAN COUNTY, NEW MEXICO**

Signed: \_\_\_\_\_  
 Title: **SR. Business Analyst**

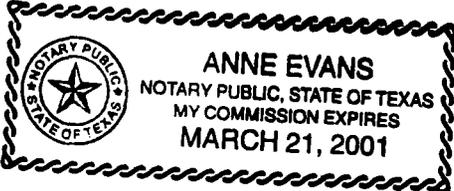
THE STATE OF TEXAS    )  
                                   ) **SS.**  
 COUNTY OF HARRIS     )

**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 30 day of September, 1999.**

Anne Evans  
 Notary Public

My Commission Expires: March 21, 2001





# AMOCO PRODUCTION COMPANY

Western Gas Business Unit

## FAX SHEET

10/19/1999

TO: Mark Ashley

COMPANY: NMOCD

CITY/STATE: Santa Fe, NM

PHONE: 505-827-8183

FROM: Mary Corley

COMPANY: BP Amoco Production Company

CITY/STATE: Houston, Texas

PHONE: 281-366-4491

FACSIMILE NUMBER: 505-827-8177

TOTAL NUMBER OF PAGES: 2

Message

*Per your telephone message please find attached Working Interest Owners for our Roelofs B 2B.*

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*Thank you,  
Mary Corley*

\_\_\_\_\_

**Working Interest Owners  
Roelofs B 2B**

Conoco Inc. 50%  
Attn: Isabel Barron  
600 North Dairy Ashford - DU - 3076

Amoco Production Company 50%  
P. O. Box 3092  
Houston, TX 77253