Form C-142

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

SEP 2 4 1999

**INTUSONSERVATION DIVISION** 

Revised 06/99
UBMIT ORIGINAL
PLUS 2 COPIES

PLUS 2 COPIES
TO THE SANTA FE
OFFICE

APPLICATION FOR NEW WELL

1.	Operator and	d Well								
Operator	name & addre	ess							OGRID Numb	er
P.O. B	Production 3092 on, TX 772	on Compai	ny						000778	
Contact F	arty								Phone	
Mary C	orley								281-366-44	91
Property I	Name					We	Il Number		API Number	
Roelofs	8 B				•	18	}		30-045-297	<b>'13</b>
UL 🖍	Section	Township	Range	Feet From The	North/South L	ine	Feet From The	Ea	ast/West Line	County
G	22	29N	8W	2440'	North		1350'	E	ast	San Juan

ii. Date/Time informatio	on		
Spud Date	Spud Time	Date Completed	Pool
January 31 1999	5:00 pm	April 8 1999	Blanco Mesaverde

- 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.

<u>V.</u>	AFFIDAVI	Γ:				- i	
	State of	Texas	)		5/3/		INE EVANS
	County of	Harris	) ss. )			MAF	UBLIC, STATE OF TEXAS & MMISSION EXPIRES STATE & STATE
		Mary Corley	, being fir	st duly sworn	, upon oath states:	CONTRACTOR OF THE STATE OF THE	CARRICANIA DE CONTRA DE CO
	1. 18	am the Operator, or authoriz		-	•	referenced well.	
	2. To	the best of my knowledge	this applica	ition is comple	ete and correct.		
Signa	ture	lay Colly	_ Title	Senior	Business Analyst	Date _	September 21 1999
SUBS	CRIBED AN	D SWORN TO before me th	nis23	day of	September	,1999	·
					am wan	<b>&amp;</b>	
				No	otary Public		
Му Со	ommission e	xpires: 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	OCD District	SEP 281999
	9-	0 T 0 - 4888

VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

SEP 281999

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

p1212006631541

## Working Interest Owners Roelofs B 1B

Conoco Inc. 50%
Attn: Isabel Barron
600 North Dairy Ashford - DU-3076
Houston, TX 77079-1175

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

Conditions of approval, if any:

# 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

RECEIVED RI M ase Designation and Serial No.

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.	SF-078415
Use "APPLICATION FOR PERMIT -" for such proposals 99 MAR -5 AM 11: 28	8. If Indian, Allottes or Tribe Name
070 FARMINGTON, NM	7. If Unit or CA, Agreement Designation
Type of Well    Oil   Gas   Other	8. Well Name and No.
Well Well Other  Name of Operator  Attantion:	ROELOFS B 1B
AMOCO PRODUCTION COMPANY MARY CORLEY	8. API Well No.
Address and Telephone No.  P.O. BOX 3092 HOUSTON, TX 77253 281-366-4491	30-045-29713  10. Field and Pool, or Exploratory Area
Location of Well (Footage, Sec., T., R., M., or Survey Description)	BLANCO MESAVERDE
2440' FNL 1350' FEL Sec. 22 T 29N R 8W UNIT G	11. Country or Parish, State SAN JUAN NEW MEXICO
CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REI	PORT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
Notice of Intent  Abandonment Recompletion Plugging Back	Change of Plans New Construction Non-Routine Fracturing
Subsequent Report Casing Repair Altering Casing	Water Shut-Off Conversion to Injection
Final Abandonment Notice Other SPUD & SET	Dispose Water sults of multiple completion on Well Completion or Recompletion Report and Log form.
Trong region to	sais at matipa companion on tran companion of recumpation report and buy tonic.
3. Describe Proposed or Completed Operations (Clearly state all partinent details, and give pertinent dates, including estimated date of starting any proposed work . If well is directionally drilbd, parkers and zones pertinent to this work.)*	give subsurface locations and measured and true vertical depths for all
MIRU drilling unit. Spud a 12 1/4" surface hole on 1/31/99. Drilled to 290'& set 9 5/8" 36# si SXS CLS B CMT. Circulate 5 BBLS or 23 SXS of good CMT to surface. WOC 4 hrs. Press	
Drilled a 8 3/4" hole to 3136'. Bit touqed. Circ @ 3136. Tight hole drilled up. TOH w/bit #2 8 Ream 36' to bottom. Drilled to 3505'. Set 7'20 & 23# " intermediate casing @ 3487'. CMT v CLS B CMT & 37 BBLS of Slurry & displaced to float collar. Good Circ through out job. Pres	u/295 SXS CMT. Tail with 150 SXS
Drilled a 6 1/4" hole from 3505' to TD 6116' on 2/7/99. Set 4 1/2" 10.5# production casing li CMT w/318 SXS CLS B CMT & displaced to latch collar. Set liner hanger & circulate conver preflush & no CMT to surface.	
Drilling rig released @ 23:59 on 2/8/99.	
Now HO HE TIMES?	BEHIND 7"CSG
4. I hereby certify that the foregoing is true and conflect  Signed	ALYST 0ate 03-02-1999
his space for Federal or State office use)	
Approved by	Date

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, ficticious, or fraudulant statements or representations as to any matter within its jurisdiction.

MAR 0 8 1999

**ACCEPTED FOR RECORD** 

' Form 3160-4 (October 1990)

# UNITED STATES — DEPARTMENT OF THE INTERIOR INTERIOR

**BUREAU OF LAND MANAGEMENT** 

(See other instructions on reverse side) FOR APPROVED OMB NO. 1004-0137 Expires: December 31,1991

5. LEASE DESIGNATION AND SERIAL NO.

SF-078415

W	ELL COMPLET	ION OR	RECOM	PLETIO	N REP	ORT ANI	D LOG	*	6	F INDIAN, A	Trottee	OR TRIBE NAME
la. TYPE OF WELL	MELL		GAS WELL	DRY		THER	<u> </u>		7	. UNIT AGRE	EMENT N	AME
b. TYPE OF COM	PLETION: WORK OVER TO DEEP		PŁU <b>G</b>	DIFF.	$\overline{}$							
Wett	EN EN	<del>[</del>	BACK	RESVR.		THER				. FARM OR LI	EASE NA	ME, WELL NO.
2. NAME OF OPERA AMOCO PRODUC	_	NIV.			Atte	ntion:	Y COI	DI EV		R	OELOF	S B #1B
3. ADDRESS AND TE				<u> </u>		IVIAN	1 60	TLE I		API WELL N	10.	
P.O. BOX 3092		,		•			281-	366-4491	L		30-04	5-29713
					Contraction				I	0. FIELD AND		
<ol> <li>LOCATION OF WI At surface</li> </ol>	2440' FNL	cieariy ana	ın accoraan	ce with any 1350' FE		urements)*						MESAVERDE
At top prod. inter	val reported below					•			.   1	I. SEC., T., R OR AREA		BLOCK, AND SURVEY
At total depth											•	22
At total depui						<del></del>					291	Range 8W
				14. PERN	MIT NO.		DATE	ISSUED	] '	2. COUNTY OR	-	13. STATE
	1.2 2 2 2						<u> </u>			San J		New Mexico
5. DATE SPUDDED	16. DATE T.D. REA	1	17. DATE C			od.)	8. ELEV		F, RKB, RT,	GR, ETC.)	19. EI	LEV. CASINGHEAD
01/31/1999	02/08/1999		D 14D 6 77	04/08/6		DI E COMPI		_	711' gl	000000000000000000000000000000000000000		·
20. TOTAL DEPTH, MI 6116	J& IVD PLOG.	6015	-	VD   22. H	OW MAN	PLE COMPL	,	23. INTE	LED BY	ROTARY TO	JOLS	CABLE TOOLS NO
PRODUCING INTERV	AL(S), OF THIS CO	MPLETION	N - TOP, BC	OTTOM, NA	ME (MD	AND TVD)*			i		25	. WAS DIRECTIONAL SURVEY MADE
MESAVERDE	4992' 5682'					-					1	NO .
6. TYPE ELECTRIC A	ND OTHER LOGS R	UN							<del></del>		27. WA	S WELL CORED
				CBL TDT	-							N
.8.		<del>-</del> -	CAS	SING REC	ORD (R	eport all str	inos sei	in well)				<del></del>
CASING SIZE/GRADE	WEIGHT, LB./	FT.	DEPTH SE			LE SIZE			MENT,CEME	NTING REC	ORD	AMOUNT PULLE
9 5/8" K-55	36#					12 1/4"		SXS CLS B T				
7" K-55	20 & 23#		3478			8 3/4"	445	SXS CLS B L	EAD & TAIL	TOP 350'		
										<del></del>	,	
					<del>.</del> -							
9.		LINER RI		A GUE CE	4ENTA		() (7)	30.		TUBING R		
SIZE	TOP (MD)	воттом	<del>-:</del>	SACKS CEN		SCREEN	(MD)	SIZI	<del></del>	DEPTH SET (	MD)	PACKER SET (MD
4 1/2"	3259'	6114	' -	318 SX	S	·		2 3/8		5008		
						32.	A CIT	SUOT	FRACTURE	CEMENT	COLIET	TO FOR
PERFORATION RECO	ORD(Interval, size, a	nd number	·)					/AL (MD)	<del>-,</del> -		<del>`</del>	MATERIAL USED
4992' - 5682'; 1 JSPF,			HOTS			5532	MILK	5682	<del></del>			M & 96228# 16/30 AZ SA
(SEE SUBSEQUENT RE	EPORT FOR INDIVIDUA	AL PERFS.)				5532		5682	+			78461# 16/30 AZ SAND
						4992		5148				91793# 16/30 AZ SAND
						1			1			
3.*					PRO	DUCTION			<del>'</del>			
DATE FIRST PRODUCT		CTION ME	ETHOD (Fla	wing, gas li		ng - size and i	rype of p	итр)		WELL shu		S (Producing or SI
OATE OF TEST	HOURS TESTED	СНОК	E SIZE	PROD'N TEST PE		OIL - BBL		GAS - M	CF.	WATER - BB	L.	GAS-OIL RATIO
04/08/1919	13	1	3/4"	TEST PE	RIOD	TRA		ł	600	TRAC		-
LOW TUBING PRESS	<u> </u>	E CALC		OIL - BB			- MCF.		WATER - B			RAVITY - API (CORR.
0#	165#	24-HÖ	ULATED UR RATE									
34. DISPOSITION OF G		l, vented.	rc.)	!				— т	TEST WITN	ESSED BY	ــــــــــــــــــــــــــــــــــــــ	<del></del>
TO BE SOLD	,uora, much jor jue	.,	,		-			i				
35. LIST OF ATTACHM	MENTS				<del></del>					,		<del> </del>
36. I hereby certify	that the foregoing a	nd attache	d informat	ion is com	plete and	correct as	determi	ned from a	il available i	records		
	Allan 1	1 le	· _			SR RI	ISINI	ESS AN	AI YST			04-15-1999
SIGNED	111 win is	any		11	TLE	<u></u>	J 5 11 11		<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	DA?	FE	37 10 1000

### ROELOFS B # 1B

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):

GEOLOGIC MARKERS

38.

FORMATION	ТОР	воттом	DESC	CRIPTION, CONT	ENTS, ETC.		]			TC	P .	
							NAM	1E 	MEAS. DE	PTH	TRUE VERT, DEP	тн
Ojo Alamo	2248'	_										
Kirtland	2502'					ı					,	
Fruitland Coal	2950'				æ	•						
Pictured Cliffs	3360'	, .				·	,					
Lewis Shale	3520'											
Cliff House	4890'											ı
Menefee	5128'				•							
Point Lookout	5594'									٠		
Mancos	5914'											. 1
	·	į				`.						,
						•			,			•
•			·		,	•		·				
										-	-	
1			-									

### ROELOFS B # 1B COMPLETION SUBSEQUENT REPORT 4/15/99

2/10/99 MIRUSU & ran TDT & CMT bond for perforating & CMT tops. CMT top @ 350' behind 7" CSG. Top CMT 41/2 > 46/6'

2/18/99 NU TBG head & Frac valve - pressure test CSG to 3000#. Held OK.

3/5/99 MIRUSU & perf all Mesaverde formations @ the following intervals with 1 JSPF, .300 inch diameter, total 50 shots:

5682'	<i>5600'</i>	<i>5532'</i>	<i>5334'</i>	5272'	<i>5116'</i>	<i>5040'</i>
<i>5675</i> '	<i>5596'</i>	<i>5436'</i>	<i>5330'</i>	5242'	<i>5112'</i>	<i>5036</i> '
<i>5658</i>	<i>5581'</i>	<i>5432'</i>	<i>5302'</i>	<i>5237'</i>	<i>5078'</i>	<i>5012</i> '
<i>5654</i> '	<i>5576'</i>	<i>5385'</i>	<i>5296'</i>	<i>5233'</i>	<i>5075'</i>	<i>5007</i> ′
<i>5649'</i>	<i>5564'</i>	<i>5380'</i>	<i>5290'</i>	<i>5148'</i>	<i>5054</i> '	<i>5001</i> '
<i>5634'</i>	<i>5558'</i>	<i>5343'</i>	<i>5283'</i>	<i>5140'</i>	<i>5049'</i>	4997'
5627'	<i>5539'</i>	<i>5338'</i>	<i>5278'</i>	<i>5121'</i>	<i>5045</i> '	4992'
<i>5620'</i>					. •	

3/15/99 RU & breakdown formation w/75 ball sealers – Pump 75 BBLS & was unable to catch pressure – Started balls & had good ball action. Max rate 7BPM @ 2200#. Left well SI.

3/22/99 MIRUSU. ND Frac valve & NU BOP. RU & TIH PU PKR & workstring. Set PKR @ 5478'. RU & breakdown Point Lookout zone (5682' - 5532') w/500 GALS of 7 ½% acid & drop 25 balls. Had good ball action. Unseat PKR & knocked balls off w/PKR. PU & reset @ 5478'. Set pressure gauges & then set TBG plug. SI for build up.

3/23/99 Pull TBG plug & gauges. Unseat PKR & TOH w/TBG & PKR. TIH w/BP & set @ 5478'. RU & Est pump in. Pressure got to 450# & went on a vacumn. PU & Circ out fluid w/air. Set PKR @ 5793'. RU & set gauges & TBG plug. SI overnight.

3/24/99 Well SI for pressure gauges. Ret TBG plug & gauges. Unseat PKR & Ret BP. PU & reset BP @ 5203'. PU & circ fluid out of hole w/air. PU & set PKR @ 4943'. Flow air out of wellbore. Set gauges & TBG plug. SI for test. Pull TBG plug & unseat PKR & Ret BP. Reset Ret. BP @ 5160' & reset PKR @ 5406'. Pump down TBG an est. rate of 2.7 BPM @ 8750#. RU & swab down to & reset TBG plug to test the Cliffhouse zone (5084' - 5134'). SI well overnight for pressure buildup.

3/25/99 Well SI overnight for buildup. RU & pull TBG plug & gauges. Unseat PKR & Ret BP. TOH w/TBG & plugs. TIH w/PKR & TBG. Circ fluid out of wellbore w/air. PU & set PKR @ 5478'. Blow air out of wellbore. RU & set pressure bombs & set TBG plug. Well SI for weekend for pressure build up.

3/29/99 Well SI for pressure buildup. RU & pull TBG plug & bombs. RU Frac valve & Frac Point Lookout (5682' - 5532') down 2 7/8" TBG w/651 BBLS of WTR & 70% quality foam & 96228# of 16/30 Arizona sand. RU & start flowing back with ¼" choke for 3 hrs. Dropped back to 1/8" choke to slow sand flowback.

### ROELOFS B # 1B COMPLETION SUBSEQUENT REPORT 4/15/99

3/30/99 Flowed well overnight w/watchman & choke. FCP 150# on ¾" choke. Unseat PKR & TOH. RU & set CIBP @ 5485'. TIH w/PKR & pressure test to 2000#. Held OK. PU & set PKR @ 5193'. Install Frac valve & SI for night.

3/31/99 RU & Frac Point Lookout (5682' - 5532') down 2 7/8" TBG w/24345 GALS of WTR & 70% N2 Foam & 78461# of 16/30 Arizona sand. RU & flowback w/watchman starting with a ¾" choke.

04/01/99 Flowed well overnight w/watchman. FCP 80# on ¾" choke. Open well full w/2" line & blow down. RU & unseat PKR & TOH. RU & set CIBP @ 5180'. SI for night.

04/02/99 RU tree saver & RU to Frac Cliffhouse (5148' - 4992') down 4 ½" CSG w/25625 GALS of WTR & 70% N2 foam & 91793# of 16/30 Arizona sand. RU & start flowing back to clean up. Start with ¼" choke - SFCP 1000#. Upsize to ½" @ 260#, then to ¾" choke to 60#. Flowed well over night. SI well AM 04/03/99. Flowed well during daylight hrs only on 04/04/99. SI well overnight.

04/05/99 Well SI overnight. SICP 640#. Blow down well & TIH PU mill & TBG. Tag fill @ 5158'. Clean out to CIBP @ 5180' & drill up. PU TBG & tag fill on 2nd plug @ 5443'. PU into liner & RU to flow well overnight with 34" choke & watchman. FTP 115#..

04/06/99 Flow well overnight FCP 85#. TIH & cleanout 20' of sand & drilled up 2nd CIBP & finished TIH to bottom. Cleaned out 5884' to 5984'. PU & flow well on 34" choke starting pressue 185#.

04/07/99 Flowed well overnight w/watchman & %" choke - FCP 180#. TIH & tagged 16' fill. Clean out sand fill & drilled out soft CMT to Hard PBD of 6015'. Circ hole clean. TOH w/mill & TBG. RU & flow well for cleanup.

04/08/99 Flowed well overnight for Del test. Tested up CSG 13 hrs. on ¾" choke - 2.6 MMCF gas, trace oil, trace WTR. CP 165#. Tubing plug in hole. Tested w/o tubing no tubing pressure to report. SI well. RU & TIH w/production TBG. Tag 12' fill. Cleanout & circ hole clean. PU & land TBG @ 5008'. ND BOP & NU wellhead. RU & pull TBG plug.

Rig released @ 1900 hrs 04/08/99.

# TABULATION OF DEVIATION TEST AMOCO PRODUCTION COMPANY

DEPTH	DEVIATION	DEPTH	DEVIATION
290'	0.00	4500'	0.75
782'	1.00	4988'	1.00
1245'	1.25	5526'	0.75
1751'	1.00	6024'	1.00
2311'	0.75		
2837'	0.75		
3136'	0.75	<del></del>	
<i>3505</i> ′	0.75	<u> </u>	
4004'	1.00	,	
	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:

	<u> </u>	ROELOF	SB #1B			
	2	440' FN	IL & 1350' FEL	SEC 22 T	29N R8W UNIT	<b>G</b>
	5	AN JUA	AN COUNTY, N	VEW MEXIC	20	
	_		Signed: Title:	91/1a	ry Corlu	1/-
			mue.	SK. Busi	iness Analyst /	· · · · · · · · · · · · · · · · · · ·
THE ST	TATE OF TE	XAS	) ) SS.		·	
COUNT	TY OF HARF	RIS	)			
BEFOR	RE ME, the u	ndersig	ned authority	, on this da	ay personally	MARY CORLEY
known	to me to b	e a	SR. Business	Analyst	for Amoco Pro	duction company and to
sworn (	•	tes that	t she has knov			who being by me dully herein and that said
SUBSC this		SWOR	PN to before m April	e, a Notary _ , 1999.	/ Public in and fe	or said County and State
ayrı	Grans					
. ^	Votary Publi	ic .			( ARV	ANNE TUAN
Mv Con	nmission Ex	pires:	March .	21, 2001	\$@ <del>`</del>	NOTARY PUBLIC, STATE OF TEXAS