District I - (305) 393-6161 PO Box 1980 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

New Mexico Energy, Minerals & Natural Resources Department **OIL CONSERVATION DIVISION** 2040 South Pacheco Street

Santa Fe, New Mexico 87505 (505) 827-7131

Form C-140 Originated 11/1/95

> Submit Original Plus 2 Copies to appropriate District Office

APPLICATION FOR QUALIFICATION OF WELL WORKOVER PROJECT AND CERTIFICATION OF APPROVAL

THREE COPIES OF THIS APPLICATION MUST BE FILED WITH THE APPROPRIATE DISTRICT OFFICE OF THE OIL CONSERVATION DIVISION.

I.	Operator:	Amoco Production Company	,	_ OGRID #:	000778					
	Address:	ess: P.O. Box 800, Denver, Colorado 80201								
	Contact Party:	Patricia J. Haefele	Phone:	(303) 830-4988						
II.	Location of We	Atlantic Com LS 3 II: Unit Letter K, 1650 Feet from MPM, San Juan County.	API #:	3004510489 n <u>24,</u> Township <u>31N</u>						
III.		Procedures Commenced: Procedures were Completed:	4/2/96 7/8/96							
IV.	Attach a description of the Workover Procedures undertaken to increase the projection from the Well.									
V.	Attach an estimate of the production rate of the Well (a production decline curve or other acceptable method, and table showing monthly oil and/or gas Project Production) based on at least twelve (12) months of established production which shows the future rate of production based on well performance prior to performing Workover.									
VI.	Pool(s) on which	ch Production Projection is bas	ed:							
	Blanco Mesave	erde		dece	9 1996					
VII.	AFFIDAVIT:			- 130 BE	9 1996					
	State of Colora) ss.	OIL CON. DIV.							
	County of Der	<u>fele,</u> being first duly sworn, up	on oath states:	makan da kana da ka da	e description of the second of					

- 1. I am the Operator or authorized representative of the Operator of the above referenced Well.
- 2. I have made, or caused to be made, a diligent search of the production records which are reasonably available and contain information relevant to the production history of this Well.
- 3. To the best of my knowledge, the data used to prepare the Production Projection for this Well is complete and accurate and this projection was prepared using sound petroleum engineering principles.

atricia g. Haefel Staff Assistant

(Title)

	PATRICIA J. ARCHULETA NOTARY PUBLIC STATE OF COLORADO Description of the property of the pro								
FOR C	OIL CONSERVATION DIVISION USE ONLY:								
VIII.	CERTIFICATION OF APPROVAL:								
	This Application for Qualification of Well Workover Project is hereby approved and the above referenced Well is designated as a Well Workover Project pursuant to the "Natural Gas and Crude Oil Production Incentive Act" (Laws 1995, Chapter 15, Sections 1 through 8). The Oil Conservation Division hereby verifies the Production Projection for the Well Workover Project attached to this application. By copy of this Application and Certification of Approval, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project has been completed as of, 19 9 6.								
	35.0								
	District Supervisor, District								
	Date:								
IX.	DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT.								
	DATE:								

× ×

Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR RECEIVED BUREAU OF LAND MANAGEMENT BLM MAIL ROOM

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

Do not use this form for pro-	OTICES AND REPORTS ON WELLS 21 AM 12: 2 possile to drill or to deepen or reality to a different reservoir. CATION FOR PERMIT - " for such proposals 070 FARMINGTON, N	14141-013688		
		7. If Unit or CA, Agreement Designation		
1. Type of Well Oll Well Well Other		B. Well Name and No.		
2. Name of Operator	Attention:	Atlantic Com LS #3		
Amoco Production Company	Patty Haefele	9. API Well No.		
3. Address and Telephone No.		3004510489		
P.O. Box 800, Denver	, CO 80201 (303) 830-4988	10. Field and Pool, or Exploratory Area		
4. Location of Well (Footage, Sec., T., R., M., v		Blanco Mesaverde		
1650' FSL 1650' F BHL: 1039' FSL 1154'	WL Sec. 24 T 31N R 10W Unit K FWL Sec 24 T 31N R 10W Unit M	11. County or Parlah, State San Juan New Mexic		
	ATE BOX(s) TO INDICATE NATURE OF NOTICE,			
TYPE OF SUBMISSION	TYPE OF ACTION	ner ont, on other bata		
Notice of Intent Subsequent Report Final Abandonment Notice	Aberdonment Recompletion Plugging Back Casing Repair Attering Casing Other Sidotrack (Note: Re	Change of Plans New Construction Non-Boutine Frecturing Water Shut-Off Conversion to injection Dispose Water port results of multiple completion on Well Completion or		

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 deaths for all products and some pertinent to this work.

Amoco Production Company has sidetracked this well per the following:

MIRUSU 4/2/96. Run free point, shoot off tubing at 5000'. Set CIBP on tubing at 4952'. Spot 30 sx Class B neat cement on top of CIBP at 4950-4800'. Test easing to 500 psi, failed. Isolate leak at 2450-2509', set packer at 2323'. Squeeze 2455-2506' with 200 sx Class B neat, 15.6 ppg. Tag cement at 2343'. Drill out cement to 2510', circulate hole clean, test easing to 500 psi, held ok. Run CBL from surface to 4385'. TOC estimated at 2280' (100% bonding). RDMOSU 4/9/96.

MIRURT 4/19/96. Set 7" CIBP at 3611'. Orient whipstock at 188 degrees and set whipstock at 3600' to 3615'. Mill window from 3600-3608'. TIII with motor, collar, sub, and bit and directional drilling and survey from 3608-6034'. Run and land 4.5" 11.6# J-55 casing at 6000'. Pumped 325 sx Class B cement, 2% gel. Displaced cement with 92 BW and bumped plug with 100 psi, held. Plug started leaking and had to plug off cement head. Run temp survey. Found TOC at 2700'. Rig released at 12:00 am on 4/28/96.

BIIL: 1039' FSL and 1154' FWL Sec. 24 T31N R10W Unit M

14. I hereby certify that the foregoing le true and correct Signed Putty Halfell	SRBU RECEIVED	Stall AssistantACCEPTED FOR AECORD
(Tive space for Federal or State office use) Approved by	MAY 2 8 1996	MAY 2 2 1996
Conditions of approval, if any:	ADMINISTRATIVE GROUP	FARMINGTON DISTRICT-OFFICE

Amoco Production Company has completed the sidetrack on this well per the following:

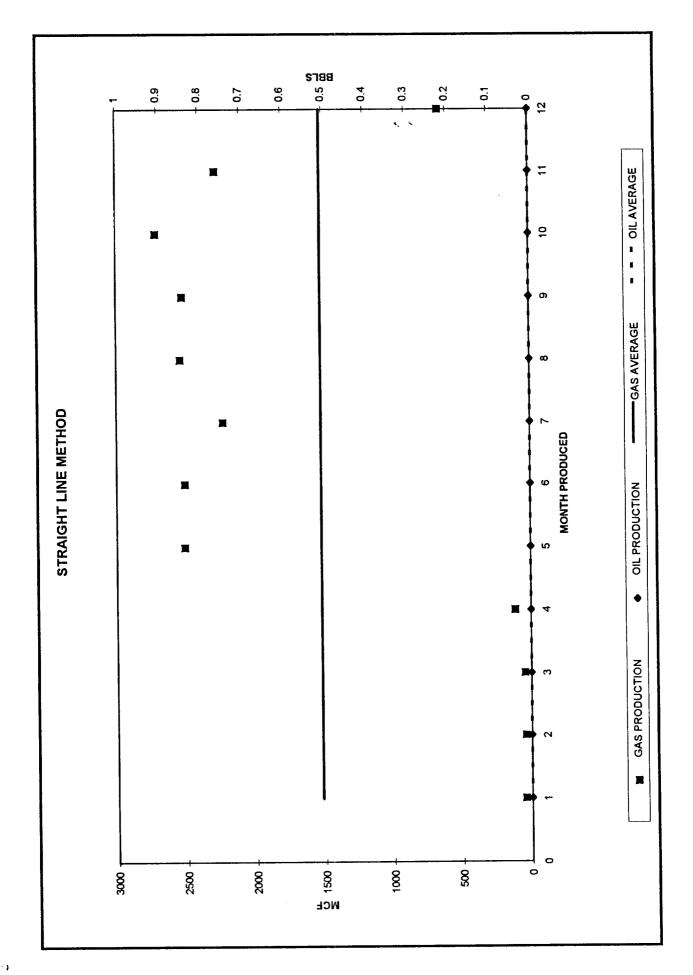
Commence work 5/28/96. Run GR log 4448-5934'. Pressure test casing to 4800 psi, held ok. Perforated at: 5679', 5692', 5687', 5693', 5719', 5728', 5736', 5740', '5745', 5760', 5782', 5787', 5818', 5827', 5850', 5713', 5729', 5735', 5741', 5746', 5788' with 1 JSPF, 22 total shots, .340" diameter, 3.125" gun, 120 deg phasing, 12.5 gms. Acidize 5679-5850' with 12 bbls FE HCL, 4.8 bpm, 3800 psi. Pressure test casing to 3500 psi, held ok. Frac well from 5679-5850' with 48,643 lbs 16/30 sand; 584,871 scf, 70% quality. Flowing well. Set CIBP at 5665-5667'. Pressure test casing to 3500 psi, held ok.

Perforated at: 5323', 5335', 5356', 5357', 5377', 5378', 5436', 5496', 5505', 5511', 5512', 5521', 5528', 5534', 5535', 5573', 5579', 5585', 5594', 5595', 5636', 5642', 5647', 5648' with 1 JSPF, .340" diameter, 3.125" gun, 120 deg phasing, 12.5 gms. Acidize 5323-5648' with 12 bbls FE HCL, 7.8 bpm, 3000 psi. Frac well from 5323-5648' with 50,212 lbs 16/30 sand; 2,939,774 scf, avg pressure 2770, avg rate 16.0 bpm. Flowing well. Set RBP at 5301'. Testing BP - failed. Set RBP at 5284'. Pressure test to 2500 psi, held ok.

Perforated at: 4919', 4920', 4929', 5017', 5049', 5066', 5067', 5164', 5170', 5171', 5178', 5179', 5203', 5213', 5227', 5237', 5238', 5246', 5247', 5255', 5256', 5275', 5282', 5288' with 1 JSPF, 24 total shots, .340" diameter, 3.125" gun, 120 deg phasing, 12.5 gms. Acidize 4919-5288' with 12 bbls FE HCL, 7.0 bpm, 3602 psi. Frac well from 4919-5288' with 135,660 lbs 16/30 sand; 619,052 scf, 70% quality, max pressure 50 psi, max rate 19.0 bpm. Flowing well. Clean out sand to plug depth of 5297'. Pull plug out of hole. Second plug tagged at 5308'. Cleanout with air to top of plug at 5308', retrieve RBP, second warp plug retrieved. Tagged sand at 5537', clean out sand to plug at 5537-5665'. Drilled out plug at 5665-5666'. Tagged sand 156' off bottom. Cleanout sand from 5779-5948'. Flowing well. Tagged sand at 5923'. Installed packer and set packer and stripped on casing spool. Pumped 30 bbls water to kill well to work packer free. Swab well and well kicked off. Landed 2.375" tubing at 5828'. Work completed on 7/8/96.

BHL: 1039' FSL and 1154' FWL Sec. 24 T31N R10W Unit M

GAS	4.5	42	47	115	2509	2507	2230	2537	2521	2712	2279	654	1517
	0	0	0	0	0	0	0	0	0	0	0	0	0
O.L													
-													_
													75
Ĭ	04/95	02/95	95	94	94	10/94	94	194	07/94	06/94	05/94	04/94	12-month average - Projected Trend
MONTH	04	02	2	12	1	10	60	08	07	90	05	9	ΗP
													ş
_									<u>.</u>				roje.
													٥
_	<u>₹</u>												age
LOCATION	Z												No.
OCA	31												Ę
ت	K Sec. 24 31N 10W												Ş
	ŝ												7
	Y	131		-									-
	88												
AP	3004510489												
	045												
	8			ļ.,						L		ļ.,	L
ပ												1	l
FLAC													
_		-	-					-			H	1	-
				l									
	erd												l
POOL	Sav				l								l
ā	co Mesaverde												١
	nco										l		
_	Blan						<u> </u>	L	L	1	L	1	
													ı
				1									
WELLNO						1							
WF													
					1			1					l
L	~	<u>. </u>		1				1			1	1	1
	300000												1
WELLNAME		1											
	0	<u>, </u>						1					١
	S I mod vitach				1				۱				1
	5	3			1								١
	1				1		1						
	4							1					1



age 1