Form 3160-5 (June 1990)

FORM	M APPR	OVE	D	
Budget Bur	eau No.	100	04-013	5
Expires:	March	31.	1993	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DONEAU	Of EARD WARRENCE	
Do not use this form for propose	CES AND REPORTS ON WELLS als to drill or to deepen or reentry to a different reservoir. ION FOR PERMIT - " for such proposals	6. Lease Posignation and Serial No. SF-079289 6. It Indian, Allottee or Tribe Name
		7. If Unit or CA, Agreement Designation
1. Type of Well ☐ Oil		S. Weil Name and No.
Oil Gas Other		
2. Name of Operator	Attention:	CARTOCART 20 7 01
Amoco Production Company	WAYNE BRANAM, RM 1220	9. API Well No.
3. Address and Telephone No.		BLANCO MESAVERDE
P.O. Box 800, Denver, Colorado 8	30201 (303) 830-4912	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Sur		3003907425
4. Location of Froil (Footage, Sec., 1., 11., 191., 5. Sec.		11. County or Parish, State
1500FNL 990FEL	Sec. 14 T 28N R 7W UNIT	RIO ARRIBA NEW MEXICO
12. CHECK APPROPRIAT	TE BOX(s) TO INDICATE NATURE OF NOTICE, R	EPORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
	Abandonment	Change of Plans
Notice of Intent	Recompletion	New Construction
	Plugging Back	Non-Routine Fracturing
Subsequent Report	Casing Repair	Water Shut-Off
	Altering Casing	Conversion to Injection
Final Abandonment Notice	Other LINER	Dispose Water
	(Note: Repo	ort results of multiple completion on Well Completion or on Report and Log form.)
Describe Proposed or Completed Operations (Clear subsurface locations and measured and true vert AMOCO PERFORMED THE LINE	erly state all pertinent details, and give pertinent dates, including estimated date of starting tical depths for all markers and zones pertinent to this work.)* R JOB PER THE ATTACHED.	g any proposed work . If well is directionally drilled, give
		0, 9

OIL CON. DIV. Dist. 3

			 	
14. I hereby certify the tyle foregoing to the add correct Signed Ay N	Title	BUSINES ANALYST	Date	08-11-1994
This space for Federal or State office use)		1		
Approved by Conditions of approvel, if any:	Title _		Date	
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully t	to make to any department	or agency of the United States any false, ficti	cious, or frauduk	ent statements or

SAN JUAN 28-7 #24 LINER JOB

MIRU, PMP 50 BBLS 2% KCL WTR X KILL WELL, NDWH, NUBOP X TEST TO 1000#, LD TBG. TIH W/ BIT X SCRAPER TO 4953', TOH W/ BIT X SCRAPER, SET RBP X PKR AT 4823'. LOAD HOLE X 2% KCL WTR X PRESS TEST TO 1000# FROM 4823' TO SURF. TOH. REL RBP X SET RBP AT 2320', FILL HOLE X PRESS TEST TO 1000', SHOOT 2 SQUEEZE HOLES AT 2015', SET PKR AT 1718', PRESS TEST TO 1500# AT .25 BPM X 1500# AT .5 BPM X 1300# AT 1 BPM X NO CIRC THRU BRADENHEAD, REL PKR, SPOT BALANCE CMT PLUG FROM 2050' TO 1925'. SHOOT 2 SOUEEZE SHOTS AT 800', PMP INTO SQUEEZE HOLES X 1500 PSI X 2 BPM X NO CIRC TO BRADEN HEAD X PMP DN BRADENHEAD AT 5 BPM AT 40# X NO CIRC THRU SOUEEZE HOLES AT 800', SHOOT SQUEEZE HOLES AT 225' X CIRC THRU BRAIDEN HEAD, PMP 75 SX CLASS B W/ 2% CALC2 FROM 225' THRU BRAIDENHEAD X CIRC 5 BBLS GOOD CMT, NUBOP X CSG SPOOL, INSTALL 7" X 4.5" CSG SPOOL, TEST CSG SPOOL TO 1000# HELD, TIH W/ BIT, SAW NO CMT, TAG SD ON TOP OF RBP AT 2316', TIH W/ RET HEAD, UNLOAD HOLE, TO 500#, REL RBP, CIRC AT 4955' X C/O W/ 2250 CFM AIR, CLEAN OUT TO 5246', . DRILL NEW HOLE W/ 1500 CFM AIR W/ 12 BHP SOAP MIST TO 5987' (NEW TD), CIRC W/ 1500 CFM AIR, RUN 138 JTS OF 4.5" J55 11.6 CSG, TAG FILL AT 5960', CIRC W/ AIR X 40BW W/ CLAY STAY, CMT W/ 200SX 13.8# P/GAL STD IDEAL CLASS B 50/50 POZ W/ 2% GEL. 5# GILSONITE, .25# FLOCELE, .6% HALAD-344, START W/ 5 BBL WTR AHEAD, 5 BBL CHEM WASH, 10 B. W. SPACER, PUMP CMT, WASH LINES, DISP W 91.8 BW, 216.8 TOT PUMPED. NDBOP, NU TREE, RDMO.

Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED

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

5. Lease Designation and Serial No.

Do not use this form for proposals to	S AND REPORTS ON WELLS o drill or to deepen or reentry to a different reservoir.	SF-079289 6. If Indian, Allottee or Tribe Name
Use "APPLICATION	FOR PERMIT - " for such proposals	
		7. If Unit or CA, Agreement Designation
Type of Weil		SAN JUAN 28-7
Oil Gas Other		8. Well Name and No.
Name of Operator	Attention:	SAN JUAN 28-7 UT #24
AMOCO PRODUCTION COMPANY	WAYNE BRANAM, RM 1220	9. API Weil No.
Address and Telephone No.	31 (303) 830-4912	3003907425
P.O. Box 800, Denver, Colorado 8020	<u> </u>	10. Field and Pool, or Exploratory Area
Location of Well (Footage, Sec., T., R., M., or Survey	Description)	BLANCO MESAVERDE 11. County or Parish, State
1500FNL 990FEL	Sec. 14 T 28N R 7W UNIT A	RIO ARRIBA NM
CHECK APPROPRIATE B	OX(s) TO INDICATE NATURE OF NOTICE, R	EPORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTIO	N
Notice of Intent Subsequent Report	Abandonment Recompletion Plugging Back Casing Repair Altering Casing Other LINER	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water
Final Abandonment Notice	(Note:	Report results of multiple completion on Well Completion or
. Describe Proposed or Completed Operations (Clearly s	Recom state all pertinent details, and give pertinent dates, including estimated date of ertical depths for all markers and zones pertinent to this work.)*	Report results of multiple completion on Well Completion or pletion Report and Log form.) f starting any proposed work. If well is directionally drilled, gi
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SAN JUAN 28-7 #24 LINER

MIRU 080194, KILL WELL, NDWH, NUBOP, TST BOP 1000#, GOOD, TIH W/ BXS TO 4953, SET RBP AT 4823 SET PKR AT 4793, PRESS TEST TO 1000#, GOOD, REL RBP AND SET AT 2320, PRESS TESTED TO 1000#, GOOD,

SHOOT SQZ HOLES AT 2015 W/ 2 JSPF, SET PKR AT 1718, PRESS TO 1500# AT .25 BPM X 1500# AT .50BPM X 1300# AT 1 BPM X NO CIRC THRU BRADENHEAD, REL PKR, SPOT BALANCE 75BSX CL B CMT PLUG FROM 2050 TO 1925, SHOT SQZ HOLES AT 800' W/ 2 JSPF, INTO SQZ HOLES W/ 75 SX CL B AT 1500#, 2BPM, NO CIRC THRU SQZ HOLES AT 800.

SHOOT SQZ HOLES AT 225 W/ 2 JSPF AND CIRC THRU BRADENHEAD. PMP 75 SX CL B FROM 225 THRU BRADENHEAD. CIRC 5 BBLS GOOD CMT. WOC, NDBOP, INSTALL CSG SPOOL AND TEST TO 1000#, GOOD. TIH, SAW NO CMT, TAGGED SAND ON TOP OF RBP AT 2316.

RETRIEVE RBP, CLEAN OUT TO 5300. CIRC TO 5246. DRL TO 5987 (NEW TD). CIRC CLEAN. RUN 4.5" J55 11.6# CSG TO 5987, CMT W/ 200 SX CLASS B 50/50 POZ. W/ 2% GEL, 5#/SK GILSONITE, .25#/SK FLOCELE, .6% HALAD-344, DISP W/ 91.8 BW 216.8 TOT PUMPED, PLUG DOWN AT 2015 HRS, FLOAT HELD, NDBOP, NU TREE.

PERF AT 5550-72, 5588-5592, 5596-5608, 5614-20, 5632-36, 5014-30, 5042-48, 5052-64, 5080-86, 5110-42, 5146-68, 5178-92 W/ 2 JSPF, 12 GRAM CHG 3.125" GUN SIZE.

FRAC 5550-5636 W/ 1667 BBLS FOAM AND 150,000# 16/30 SAND. FRAC 5014-5192 W/ 2190 BBLS FOAM, 200,000# 16/30 SAND AND 144,900 SCF N2.

SWAB. RUN CBL, GR AND CLL FROM 3750 TO 5850.

PERF 5080-81 W/ 2 JSPF, .38" DIA AND 16 GRAM CHG.

PKR AT 4800, SQZ FROM 5080 TO 4800 W/ 100 SX CL B 50/50 POZ AT MAX RATE OF 2 BPM AND MAX PSI OF 825#, EXCELLENT RETURNS DURING CMT JOB. SIFN.

TBG PRESS 0, CSG PRESS 0, INTER 0. DO CMT FROM 4998 TO 5059. CMT DRLG SOFT, SD WOC ANOTHER DAY. DRILLED THRU CMT AT 5087. TAGGED STRINGERS FROM 5839. DRILLED CMT TO 5967, CIRC.TAGGED BTM AT 5973. SET CIBP AT 5948. RAN CLL, GR AND CBL FROM 3550 TO 5948.

PERF 5548-70, 5586-90, 5596-5634, 5660-68, 5730, 5737, 5746, 5790, 5868, 5875, 5928, 5932 W/ 2 JSPF, .38" DIA AND 12 GRAM CHG.

FRAC 5548 TO 5932 W/ 1393 BBLS WATER, 116,500# 16/30 SAND AND 634,223 SCF 70 QUALITY N2 FOAM AT MAX PSI 4,100# AND MAX RATE 42 BPM.

FLOWED BACK AND CIRCED.

FRAC 5014 TO 5192 W/ 601 BBLS WATER, 127,500# 16/30 SAND AND 897,323 SCF 70 QUALITY N2 FOAM AT MAX PSI 4,100# AND MAX RATE 70 BPM.

CLEAN PUT SAND AND D/O COMPOSITE BP. LANDED TUBING AND RETURNED TO PRODUCTION 101594.