

Hobbs, NM 88240
 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
 2040 S. Pacheco
 Santa Fe, NM 87505

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-140
 Revised 06/99

**SUBMIT ORIGINAL
 PLUS 2 COPIES
 TO APPROPRIATE
 DISTRICT OFFICE**

**APPLICATION FOR
 WELL WORKOVER PROJECT**

I. Operator and Well

Operator name & address Conoco Inc. P.O. Box 1267 Ponca City, OK 74602							OGRID Number 005073	
Contact Party Cristy Pannell							Phone 580-767-4880	
Property Name San Juan 28-7 Unit 21					Well Number 21		API Number 30-039-07449	
UL N	Section 9	Township 28N	Range 07W	Feet From The 1080	North/South Line South	Feet From The 1650	East/West Line West	County Rio Arriba

II. Workover

Date Workover Commenced: 10/03/01	Previous Producing Pool(s) (Prior to Workover): Blanco Mesaverde
Date Workover Completed: 10/24/01	

III. Attach a description of the Workover Procedures performed to increase production. **Well was recompleted, see attached.**

IV. Attach a production decline curve or table showing at least twelve months of production prior to the workover and at least three months of production following the workover reflecting a positive production increase. **Data tabulation attached.**

V. AFFIDAVIT:

State of Oklahoma)
) ss.
 County of Kay)
Cristy Pannell, being first duly sworn, upon oath states:

- I am the Operator, or authorized representative of the Operator, of the above-referenced Well.
- I have made, or caused to be made, a diligent search of the production records reasonably available for this Well.
- To the best of my knowledge, this application and the data used to prepare the production curve and/or table for this Well are complete and accurate.

Signature Cristy L. Pannell Title Staff Analyst Date _____
 SUBSCRIBED AND SWORN TO before me this _____ day of August, 2002.

My Commission expires: _____
 # 98007224

COMM EXP. 05-09-2006
 LAURIE TAPP
 KAY COUNTY
 Notary Public

Laurie Tapp

FOR OIL CONSERVATION DIVISION USE ONLY:

VI. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a Well Workover Project and the Division hereby verifies the data shows a positive production increase. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project was completed on 10-24, 2001.

Signature District Supervisor <u>Charlie T Herrin</u>	OCD District <u>AZTEC III</u>	Date <u>08-16-2002</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

Compl Name - Compl	Compl ID - Compl	Compl Legacy Cd - Compl	API Well Cd - Compl	Rsvr Name - Compl	PUN / SUFFIX	Cnty Name - Compl	Sect	TWN	RNG	Dir
SAN JUAN 28-7 /21 FC	1998178	7150214 21 JCV	300390744900	BASIN FRUITLAND COAL	1159722 F.P.S 3910	RIO ARRIBA	9	28	7	W
SAN JUAN 28-7 /21 MV	1885305	7115072 21 RON	300390744900	BLANCO MESAVERDE	1159739 F.P.S 3910	RIO ARRIBA	9	28	7	W
SAN JUAN 28-7 /21 PC	1998179	7115075 21 UPL	300390744900	BLANCO PICTURED CLIFFS	1012930 F.P.S 3910	RIO ARRIBA	9	28	7	W

Production Date	Workover Indicator	BASIN FRUITLAND COAL	BLANCO MESAVERDE	BLANCO PICTURED CLIFFS
10/2000	1 Pre Workover Period		2,151	
11/2000	1 Pre Workover Period		2,053	
12/2000	1 Pre Workover Period		2,353	
01/2001	1 Pre Workover Period		2,243	
02/2001	1 Pre Workover Period		2,632	
03/2001	1 Pre Workover Period		2,383	
04/2001	1 Pre Workover Period		2,247	
05/2001	1 Pre Workover Period		1,775	
06/2001	1 Pre Workover Period		1,501	
07/2001	1 Pre Workover Period		1,271	
08/2001	1 Pre Workover Period		1,774	
09/2001	1 Pre Workover Period		1,462	
	Sum:		23,845	

10/2001	2 Workover Period		351	
	Sum:		351	

11/2001	3 Post Workover Period	662	1,036	5,958
12/2001	3 Post Workover Period	489	2,294	4,403
01/2002	3 Post Workover Period	329	2,263	2,956
	Sum:	1,480	5,593	13,317

	Sum:	1,480	29,789	13,317
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28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):
 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.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
OJO ALAMO	2416	2563		OJO ALAMO KIRTLAND FRUITLAND PICTURED CLIFFS LEWIS CLIFF HOUSE MENELEE POINT LOOKOUT MANCOS	2416 2563 3098 3338 3402 4982 5047 5520 5650

32. Additional remarks (include plugging procedure):
 This well is a downhole trimingle. Attached are the daily summaries.

33. Circle enclosed attachments:
- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #9111 Verified by the BLM Well Information System.
 For CONOCO INC., sent to the Farmington
 Committed to AFMSS for processing by Lucy Bee on 11/23/2001 ()**

Name (please print) DEBORAH MARBERRY Title SUBMITTING CONTACT

Signature _____ (Electronic Submission) Date 11/19/2001

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMSF078497A

1a. Type of Well Oil Well Gas Well Dry Other
b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator
CONOCO INC. Contact: DEBORAH MARBERRY
E-Mail: deborah.moore@usa.conoco.com

8. Lease Name and Well No.
SAN JUAN 28-7 UNIT 21

3. Address P.O. BOX 2197 DU 3066
HOUSTON, TX 77252

3a. Phone No. (include area code)
Ph: 281.293.1005

9. API Well No.
30-039-07449

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface SESW 1080FSL 1650FWL
At top prod interval reported below
At total depth

10. Field and Pool, or Exploratory
BASIN FRUITLAND COAL

11. Sec., T., R., M., or Block and Survey
or Area Sec 9 T28N R7W Mer NMP

12. County or Parish
RIO ARRIBA 13. State
NM

14. Date Spudded
11/02/1955

15. Date T.D. Reached
11/15/1955

16. Date Completed
 D & A Ready to Prod.
10/24/2001

17. Elevations (DF, KB, RT, GL)*
6656 GL

18. Total Depth: MD 5665
TVD

19. Plug Back T.D.: MD 5660
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL

22. Was well cored? No Yes (Submit analysis)
Was DST run? No Yes (Submit analysis)
Directional Survey? No Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
13.750	9.625	25.4		176		125		0	
8.750	7.000	20.0		3415		250		0	
6.250	5.500	15.5		5665		300		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	5515							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
BASIN FRUITLAND COAL	3185	3324	3185 TO 3324		16	
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
3185 TO 3324	FRAC W/199,900 # 20/40 SAND & 986,100 SCF FLUID

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/24/2001	10/16/2001	24	▶	2.0	503.0	0.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
1/2	SI	100.0	▶					GSI	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			▶						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		▶						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #9136 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):
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32. Additional remarks (include plugging procedure):
 This well is a downhole trimingle. Attached are the daily summaries.

33. Circle enclosed attachments:
- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #9136 Verified by the BLM Well Information System.
 For CONOCO INC., sent to the Farmington
 Committed to AFMSS for processing by Lucy Bee on 11/29/2001 ()**

Name (please print) DEBORAH MARBERRY Title SUBMITTING CONTACT

Signature _____ (Electronic Submission) Date 11/19/2001

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

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Daily Summary

API 300390744900	County RIO ARRIBA	State/Province NEW MEXICO	Surface Legal Location NMPM-28N-7W-9-N	NS Dist. (ft) 1080.0	NS Flag S	EW Dist. (ft) 1650.0	EW Flag W
Ground Elev (ft) 6656.00	Spud Date 11/2/1955	Rig Release Date	Latitude (DMS) 36° 40' 17.004" N	Longitude (DMS) 107° 34' 53.76" W			

Start	Ops This Rpt
10/3/2001	MIRU Aztec Well Service #473. Check psi on well 120# tbg. and csg. blow well to pit. ND well head NU BOP's. TOO H w/ 179 jts 2 3/8" tbg SN and 1 Perforated mud anchor. PU and RIH w/ 5 1/2" CIBP and 56 stdns tbg, set plug @ 3977' loaded hole w/ aprox. 90bbbls Psi test csg to 500#. SDFN
10/4/2001	Check psi on well 0# on csg. TOO H w/ tbg. RU Blue Jet. PU and RIH w/ CBL. CBL results are as follows. TOC @ 3950' 0 bond bond from 3890' to surface. POOH w/ CBL tool, PU and RIH w/ 3 1/8" Perforate gun, shot 3 Szq holes @ 3790' POOH w/ gun, RD Blue Jet. Pumped 30bbbls 1 % KCL established Cric.on Interm. csg. pumped Approx.135bbbls total. PU and RIH w/ 5 1/2" CMT Ret. and 2 3/8" tbg Set Ret. @ 3698' SDFN BLM notified 1:00 pm 10/4/01
10/5/2001	Check psi on well 0# on csg and tbg. Changed out pipe rams and tested to 2000# for 30 min held ok. RU BJ services. Pumped 75 bbbls (189 sx.) Premium high strenght. 12.5 ppg CMT @ 3bbbls/min avg rate, 1300# avg. psi. Circ. 18 bbbls (31 sx) to pit. Sting out of Ret. Rev. out w/ 17 bbbls fresh wtr. RD BJ. TOO H w/ 58 stds. tbg. and stinger. SWI SDFN
10/8/2001	Check psi on well 0# on csg. Change out csg valves. WO frac.For 10/10/01
10/9/2001	Check psi on well 0# RU Blue Jet Perforate PC from 3340' to 3358' and 3370' to 3384' w/ 1/2 spf total of 18 holes Perforated FC from 3185' to 3188' 3231' to 3237' and 3320' to 3324' w/ 1 spf total of 16 holes. RD Blue Jet SDFN
10/10/2001	MIRU BJ Services and Stinger Well Head. Psi Test Lines to 4500#. Held ok ST. Load and Break down. Loaded well w/17 bbbls 2% KCL. Broke @ 2800# St Ball off Drop 42 ball Sealers. Good Ball Action no ball out. SD. RD Stinger RU Blue Jet Ret. 40 balls w/ 14 hits RD Blue Jet RU Stinger. St Pre-Pad (Step Down) @ 17.5bbbls/min 2300# Step to 14.5bbbls/min @ 1800# Step to 7bbbls/min @ 1000# ISIP 430# F.G. .57 5 min 340# 10 min 335# 15 min 330# 20 min 316# St. Pad @ 30 bbbls/min (Foam Rate) 2550#. St..50ppg sand @ 45bbbls/min (FR)2400# St. 1ppg sand @ 55 bbbls/min (FR) 2500# St. 2ppg sand @ 60 bbbls/min (FR) 2400# St. 3ppg sand @ 60bbbls/min (FR) 2300# St. 4ppg sand @ 60bbbls/min (FR) 2000# St. Flush. Flush w/ 66 bbbls Foam ISIP 1400# Total Sand Vol=199900# Total 986100scf Total Fluid Vol=804bbbls Avg Treating Psi=2300#. SWI RD Stinger Well head and BJ Services Truned well over to dry watch.
10/11/2001	Rel. dry watch @ 7:30 am. Psi on well 700# flowing thur 1/4" choke. Hvy Wtr, N2 and Lt sand. RU C/O equipment. 12:00 pm 680# Hvy Wtr, Med. N2 and Lt. sand. 5:30 pm. Turned well over to dry watch. Well flowing thur 1/4" @ 500# Med wtr, Lt N2 and Lt. sand.
10/12/2001	Rel dry watch. @ 7:30 am Check psi on well 400# flowing thur 1/4" Lt wtr and Lt sand. Changed choke to 1/2" @ 12:00 pm 3:00pm 250# Med wtr and Lt sand. 6:00 pm 200# lt wtr Lt sand. SWI SDFWE
10/15/2001	Check psi on well 700# on csg. Blow well down Thur 1/2" choke to 300# open well up on 2" blow well to pit. Kill well w/ 30bbbls 2% KCL PU and RIH w/ 4 3/4" MT bit, 6 - 3 1/2" DC's X-Over and 102 jts 2 3/8" tbg. Tagged sand @ 3480' Broke Circ. w/ air mist C/O sand to 3680' top of Ret. Circ.well for 2 hrs running sweeps every hr. Well making Lt. sand and no wtr. PUH to 2500" SDFN
10/16/2001	Check psi on well 600# on csg. Blow well to pit. TIH and tagged sand @ 3677' Aprox. 6' sand over night. Break Circ w/ air mist C/O sand to 3883' Cric well for 3 hrs running sweeps every hr Well makin fro sand and no wtr. PUH to 2500' Tested PC from 3340' to 3384 and FC perfs from 3185' to 3324' Final Tbg. psi = 80# Final csg psi = 100# no wtr 2 bbbls oil and 503 mcf/d gas. Test witnessed by Jesse Ruiz Aztec Well Service. TIN w/ tbg tagged @ 3883' no new sand. TOO H w/ Tbg, DC's and Bit. SDFN
10/17/2001	Check psi on well 600# on csg. Blow well to pit. TIH w/ 2 Stnds. Tbg. Let well flow thur 1/2" choke. RU Expert Down Hole Services. PU and RIH w/ After frac log. POOH w/ Logging tool. PU and RIH w/ PL. Results to be determined by engineering in Houston. TIH w/ bit DC's and tbg to 2500' SDFN
10/18/2001	Check psi on well 600# on csg. Blow well to pit. RIH w/ 10 stdns tbg. D/O Ret. @ 3698' and 10' of Cmt. Transmission went out on rig. PUH to 2600' SD and wait on repairs.
10/19/2001	Wat on repairs to rig.
10/22/2001	Check psi on well. 600# on csg. Blow well to pit. TIH w/ 10 stands. tbg. D/O 230' CMT and BP set @ 3977' C/O to PBTD @ 5665' TOO H w/ 81 Stands tbg LD 6 - 3 1/2" DC's 4 3/4" MT bit. SDFN
10/23/2001	Check psi on well 600# on csg. Blow well to pit. PU and RIH w/ Halli. PO plug, SN and 175 jts 2 3/8" J-55 eue 8rd tbg. Landed tbg, @ 5515' ND BOP's NU wellhead. PO Halli. plug w/ 1200#. Circ. well w/ air. for 1/2 hr. SDFN
10/24/2001	RDMO Final Report WO Facilities