

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

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. NMSF078498	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator CONOCO INC		7. Unit or CA Agreement Name and No. NMNM78413C	
3. Address PO BOX 2197, DU 3084 HOUSTON, TX 77252-2197		8. Lease Name and Well No. SAN JUAN 28-7 UNIT 192M	
3a. Phone No. (include area code) Ph: 281.293.0003		9. API Well No. 30-039-26205-00-X1	
4. Location of Well (Report location clearly and in accordance with Federal requirements) At surface NWSW 1430FSL 1190FWL At top prod interval reported below At total depth		10. Field and Pool, or Exploratory BASIN FRUITLAND COAL Basin Park	
14. Date Spudded 12/20/2000		11. Sec., T., R., M., or Block and Survey of Area Sec 33 T28N R7W Mer NMP	
15. Date T.D. Reached 12/30/2000		12. County or Parish RIO ARRIBA	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 09/11/2001		13. State NM	
17. Elevations (DF, KB, RT, GL)* 6243 GL			
18. Total Depth: MD TVD 7298	19. Plug Back T.D.: MD TVD 7213	20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL TDT		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 J-55	36.0		290		142		0	
9.750	7.000 J-55	20.0		2997		586		0	
6.250	4.500 J-55	11.0		7298		380			

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	7094							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) DAKOTA	7036	7227	7035 TO 7227		46	
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7035 TO 7227	70,000# 20/40 SAND W/90,048 GALS FLUID & 1000 GALS

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
09/10/2001	09/10/2001	24	→	1.0	1056.0	6.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
1/2	370	900.0	→					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. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

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

ELECTRONIC SUBMISSION #7604 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

NMOOD

18 Nov 2001
S. M. ...

K

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):				31. Formation (Log) Markers	
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.					
Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
SAN JOSE	0	928		OJO ALAMO	1927
NACIMIENTO	928	1926		KIRTLAND	2044
OJO ALAMO	1926	2019		FRUITLAND	2500
				PICTURED CLIFFS	2777
				MESAVERDE	3177
				CHACRA	3733
				CLIFF HOUSE	4431
				MENEFEE	4560
				POINT LOOKOUT	5019
				GALLUP	6193
				GREENHORN	6930
				DAKOTA	7019

32. Additional remarks (include plugging procedure):
 This well is a downhole commingle well producing from the Blanco Mesaverde and Basin Dakota. Daily's are attached.

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 #7604 Verified by the BLM Well Information System.
For CONOCO INC, sent to the Farmington
Committed to AFMSS for processing by Lucy Bee on 10/11/2001 (02LXB0117SE)

Name *(please print)* DEBORAH MARBERRY Title SUBMITTING CONTACT

Signature _____ *(Electronic Submission)* Date 10/10/2001

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.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

Daily Summary

API	300392620500	County	RIO ARRIBA	State/Province	New Mexico	Surface Legal Location	NMPM-28N-7W-33-L	NS Dist. (ft)	1430.0	NS Flag	S	EW Dist. (ft)	1190.0	EW Flag	W
KB Elev (ft)	6243.00	Ground Elev (ft)	6230.00	Plug Back Total Depth (ftKB)	7,270.0	Spud Date	12/20/2000	Rig Release Date	12/30/2000	Latitude (DMS)	36° 36' 52.8768" N	Longitude (DMS)	107° 34' 58.656" W		

Start	Ops This Rpt
3/7/2001	Rig up Cudd Coil Tubing Unit. RIH with 1 1/2" coil tubing with 3.90" mill. Tagged Float Collar @ 7197' with KB Added in. (THIS IS COIL TUBING DEPTH). Drilled and Circulated clean to 7270' with KB added in. (THIS IS COIL TUBING MEASUREMENT DEPTH). Tested 4 1/2" casing to 1000 psi. - OK. POOH with coil tubing and mill. Rig down Cudd coil tubing unit. Move off location. Remove Frac Valve and Choke Manifold.

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300392620500	RIO ARRIBA	New Mexico	NMPM-28N-7W-33-L	1430.0	S	1190.0	W
KB Elev (ft)	Ground Elev (ft)	Plug Back Total Depth (ftKB)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)	
6243.00	6230.00	7,270.0	12/20/2000	12/30/2000	36° 36' 52.8768" N	107° 34' 58.656" W	

Start	Ops This Rpt
4/24/2001	Held safety mtg. RU Schlumberger electric line truck. RD well head , RU pack off. PU TDT/GR/CCL tools and RIH and tag @ 7284'. Run log from 7284' to 1790'. POOH w/ wireline. ND pack off, NU well head . Secure well and SDFN.
4/28/2001	Held safety mtg. RU Blue jet wireline truck and mast truck.RU Stinger pressure pump.PU CBL/GR/CCL tools and RIH and tag @ 7285'. Pressure up to 1000#. Run CBL log from 7285' to 2500' . TOC was @ 3270' wireline measurement. Bottom of 7" csg. @ 2997'. Cement top is 273' below bottom of 7" csg. POOH w/ wireline. ND pack-off, NU well head. Pressure test csg. to 3800#, and held for 15 min. Test was good. Witnessed by W. Shenefield w/ MVCI. Secure well and SDFN. I Looks like his well will need to be squeezed.
6/8/2001	Held safety mtg . RU Blue jet wireline and mast trucks. RD master valve RU lubricator. PU 3 1/8" select fire guns w/ 12g 306T 90° PP charges and perforate Dakota sands as follows:7035'-7040',7046'-7060', 7159'-7164',7188'-7198', 7203'-7206',7223'-7227'. All shots are 1 spf for a tot of 46, .34" holes.RD wireline. RU Master valve. Secure well and SDFN.
6/11/2001	Held safety mtg.RU BJ Services. RU Stinger isolation tool Pressure test lines to 5000#, Set pop-off @ 3700#. St. KCL B/D. Formation broke @ 3650#. Pumped @ 15 bpm & 2380#. SD ISIP=1320#. St. 15% HCL @ 7.5 bpm & 1040# St 56 1.1SG Bio-sealers. Very little ball action and did not ball off.St step test @ 45 bpm & 3500#, Step to 32 bpm & 2600#, Step to 22 bpm & 2100#, Step to 10 bpm & 1760#. S/D ISIP=1500#. FG= .65 psi/ft. Leak off is as follows: 5 min=1350#, 10 min = 1220#, 20 min= 1050#. St. slick water pad @ 52 bpm and 3400#. 200 bbl into 238bbl the frac line fell over and had to shut down and repair. RE-TEST lines.to 4800#.St. pad over @ 55 bpm & 3411#. St. .5# @ 55 bpm & 3365#, St. 1# @ 55 bpm & 3350#.St. flush @ 45 bpm & 3750#. Formation was tight and only got 70,000# 20/40 brady. ISIP= 2250#. Fluid to recover.= 2283 bbl. Sand laden fluid= 1560 bbl. AV rate= 52 bpm , AV psi= 3500#. 79 gal FRW-30, 79 gal FB-20.RD service companys. RU master valve. Secure well and SDFN.
6/18/2001	Held safety mtg. RU Blue jet wireline. RU BJ Services frac unit.PU 4.5 " halliburton comp plug and RIH to 5300' and set. POOH and test plug to 4300#. Test was good. POOH and PU 3 1/8" 12g 306T 90° PP charges and perforate lower menefee. w/8 holes.as follows: 4920'-4926', 4985'-4991'. POOH w/ wireline. RU BJ and B/D lower menefee @ 3100# pump into @ 14 bpm & 3150#. S/D ISIP=580#. FG= .56 psi/ft. Bleed down PU 3 1/8" guns and perforate PLO/MEN/CH sands as follows: 4464'-4472', 4502'-4508', 4524'-4528', 4543'-4553', 4724'-4728', 4768'-4772', 4830'-4834', 5028'-5052', 5066'-5072'. tot holes=52. All shots are .5 spf.POOH w/ wireline. RU bj services St. 15% HCL @ 18 bpm and 1100#.Dropped 76 1.3 SG ball sealers in kcl water. Pumped flush @ 16 bpm & 850#. Showed good ball action and ball off @ 3800#. RU wireline and RIH w/ junkbasket and retrieve 66 balls, w/ 37 hits. RU Stinger isolation tool.RU BJ Services.Test. lines re-set pop-off. St. Step test. @ 53 bpm & 3500#, Step to 38 bpm & 2122#, Step to 27 bpm & 1236#, Step to 16 bpm & 480#. ISIP=0 FG=.45 psi/ft. St. Pad @ 80 bpm & 2861#, St. .5# @ 81 bpm & 2928#. St. 1# @ 81 bpm & 2812#.St 2# @ 80 bpm & 2977#. 750 bbl into 2# pressure walked up to 3200# and leveled off @ 3100#. (lost perms) St. 2.5# @ 81 bpm & 3340#, St flush @ 66 bpm & 2250#. ISIP=0 Pumped tot of 200,220# 20/40 brady. Tot. fluid to recover= 3783 bbl, Sand laden fluid= 2787 bbl. AV rate = 80 bpm AV psi= 3100#. Traced well w/ scandium in pad, Antimony in .5-1.0# sand , Iridium in 2.0-2.5# sand. RD service companys. Secure well RU master valve. SDFN.
8/17/2001	HELD SAFETY MEETING. MOVE RIG TO LOCATION.
8/22/2001	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 700 #. KILLED WELL. ND FRAC VALVE. NU BOP. TESTED BOP TO 250 # AND 5000 #. BOTH PIPE & BLIND RAMS. HELD OK. RU BLUE JET. RIH W/ 4 1/2" COMPOSITE PLUG. SET @ 3350'. PRESSURE TESTED PLUG TO 4000 #. HELD OK. RIH W/ 3 1/8" PERFORATING GUN. SHOT 3 HOLES @ 3195'. POOH W/ PERFORATING GUN. RD BLUE JET. EST CIRCULATION OUT BRADENHEAD. SWION.
8/23/2001	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 0 #. RIH W 4 1/2" CEMENT RETAINER ON 2 3/8" TBG. SET RETAINER @ 3142'. SQUEEZE HOLES @ 3195'. RU BJ SERVICES. PRESSURE TESTED LINES TO 3500 #. HELD OK. EST RATE @ 3 BPM @ 1025 #. PUMPED 15 BBLS 2% KCL SPACER. STARTED CEMENT SLURRY 12.50 #, @ 3 BPM @ 1400 #. PUMPED A TOTAL OF 80 BBLS 218 SACKS PREMIUM LITE HIGH STRENGTH CEMENT SLURRY. DISPLACED W/ 12 BBLS 2% KCL. CIRCULATED 15 BBLS CEMENT SLURRY OUT BRADENHEAD. RD BJ SERVICES. POOH W/ 2 3/8". SWION.
8/24/2001	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 0 #. PICKED UP DRILL COLLARS. RIH W/ 3 7/8" BIT & 6 - 3 1/8" DRILL COLLARS ON 2 3/8" TBG. TAGGED @ 3142'. CEMENT RETAINER @ 3142'. SWION
8/25/2001	HELD SAFETY MEETING. INSTALLED BLOOEY LINE & DRILL AIR COMPRESSORS.
8/27/2001	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 0 #. RIH W/ 3 7/8" BIT & DRILL COLLARS ON 2 3/8" TBG. TAGGED @ 3142'. DRILLED OUT CEMENT RETAINER & CEMENT FROM 3142' TO 3210'. CIRCULATED HOLE CLEAN. PRESSURE TESTED SQUEEZE HOLES (3195') IN CSG TO 750 #. HELD OK. POOH W/ DRILL BIT & COLLARS. LAID COLLARS DOWN. RIH W/ 3 7/8" MILL ON 2 3/8" TBG TO 3100'. SWION.
8/28/2001	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 0 #. RIH W/ METAL MUNCHER ON 2 3/8 " TBG. DRILLED OUT COMPOSITE PLUG @ 3350'. STARTED UNLOADING WELL. WELL MAKING 6 BBLS WATER PER HR & 1 GAL SAND PER HR. SWION.
8/29/2001	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 700 #. RIH W/ 2 3/8" TBG. TAGGED SAND @ 5005'. 95' OF FILL. RU DRILL AIR. CLEANED OUT FROM 5005' TO 5200'. CIRCULATED HOLE W/ DRILL AIR. WELL MAKING 6 BBLS OF WATER PER HR & 1 GAL OF SAND PER HR. PUH TO 4400'. SWION.
8/30/2001	SHUT RIG DOWN DUE TO STAND DOWN SAFETY MEETING.

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Start	Ops This Rpt
9/4/2001	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 700 #. RIH W/ 2 3/8" TBG. TAGGED SAND @ 5200'. COMPOSITE PLUG @ 5300'. RU DRILL AIR. CLEANED OUT FROM 5200' TO 5300'. CIRCULATED HOLE W/ DRILL AIR. WELL MAKING 2 BBLS WATER PER HR AND 2 CUPS SAND PER HR. PUH TO 4400'. SWION.
9/5/2001	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 700 #. RIH W/ 2 3/8" TBG. TAGGED @ 5300'. NO FILL. PUH TO 5077'. TESTED THE MESA VERDE THROUGH 1/2" CHOKE & UP 2 3/8" TBG @ 5077'. WELL STABILIZED @ 210 #. TESTED WELL 4 HRS AFTER WELL STABILIZED. TBG PRESSURE 210 #. CSG PRESSURE 510 #. 1386 MCFPD. 1 BOPD. 8 BWPD. PERFS @ 4464' TO 5072'. TEST WITNESSED SAM MCFADDEN & NOE PARRA. PUH 4350'. SWION.
9/6/2001	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 650 #. RIH W/ 3 7/8" MILL ON 2 3/8" TBG. TAGGED SAND @ 5190'. 110' OF FILL. COMPOSITE PLUG @ 5300'. RU DRILL AIR. CLEANED OUT FROM 5190' TO 5300'. CIRCULATED HOLE W/ DRILL AIR. WELL MAKING 1 BBL WATER PER HR AND 3 CUPS SAND PER HR. PUH TO 4400'. SWION.
9/7/2001	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 650 #. RIH W/ 3 7/8" MILL ON 2 3/8" TBG. TAGGED SAND @ 5277'. 23' OF FILL. RU DRILL AIR. CLEANED OUT DOWN TO COMPOSITE PLUG @ 5300'. DRILLED OUT COMPOSITE PLUG OVER DAKOTA. RIH W/ MILL ON 2 3/8" TBG. TAGGED SAND @ 7185'. 100' OF FILL. CLEANED OUT FROM 7185' TO 7285' - PBTD. DK PERFS @ 7036' TO 7227'. CIRCULATED HOLE W/ DRILL AIR. WELL MAKING 4 BBLS WATER PER HR AND 1/2 GAL SAND PER HR. PUH TO 6900'. SWION.
9/8/2001	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 850 #. RIH W/ MILL ON 2 3/8" TBG. TAGGED SAND @ 7170'. 115' OF FILL. RU DRILL AIR. CLEANED OUT FROM 7170' TO 7285' - PBTD. CIRCULATED HOLE W/ DRILL AIR. WELL MAKING 4 BBL WATER AND 3 CUPS SAND. POOH W/ 3 7/8" MILL & TBG. RIH W/ 2 3/8" TBG W/ SEAT NIPPLE & MULE SHOE TO 6900'. SWION.
9/10/2001	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 900 #. RIH W/ 2 3/8" TBG. TAGGED @ 7285'. NO FILL. PUH TO 7094'. TESTED THE DAKOTA & MESAVERDE THROUGH 1/2" CHOKE AND UP 2 3/8" TBG @ 7094'. WELL STABILIZED @ 370 #. TESTED 4 HR AFTER WELL STABILIZED. TBG PRESSURE 370 #. CSG PRESSURE 900 #. 2442 TOTAL MCFPD. 2 BOPD. 12 BWPD. DAKOTA PERFS @ 7036' TO 7227'. MESA VERDE PERFS @ 4464' TO 5072'. DAKOTA - 1056 MCFPD. 1 BOPD. 6 BWPD. MESA VERDE - 1386 MCFPD. 1 BOPD. 6 BWPD. TEST WITNESSED BY SAM MCFADDEN & NOE PARRA. PUH TO 6923'. RU SCHLUMBERGER. RAN SPECTRA SCAN LOG & SPINNER SURVEY. POOH W/ LOGGING TOOL. RD SCHLUMBERGER. SWION.
9/11/2001	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 900 #. LANDED 224 JTS 2 3/8" TBG @ 7094' W/ SEAT NIPPLE & MULE SHOE. RU SAND LINE. RIH W/ 1.901" DRIFT ON SAND LINE TO SEAT NIPPLE. POOH W/ DRIFT. NDBOP - NUWH. RDMO.