

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMSF078570

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name	
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 _____		7. Unit or CA Agreement Name and No. NMMN78413C	
2. Name of Operator CONOCO INC		8. Lease Name and Well No. SAN JUAN 28-7 UN T 216M	
3. Address PO BOX 2197, DU 3084 HOUSTON, TX 77252-2197		9. API Well No. 30-039-26708-00-C1	
3a. Phone No. (include area code) Ph: 281-295-1615		10. Field and Pool, or Exploratory BASIN DAKOTA	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NESE 1675FSL 1095FEL At top prod interval reported below At total depth		11. Sec., T., R., M., or Block and Survey or Area Sec 8 T27N R7W Mer NMP	
14. Date Spudded 07/25/2001		15. Date T.D. Reached 08/01/2001	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 11/05/2001		17. Elevations (DF, KB, RT, GL)* 6860 GL	
18. Total Depth: MD 7862 TVD		19. Plug Back T.D.: MD 7861 TVD	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) THERMALDECAITIM CEMENTBOND	
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 checked="" type="checkbox"/> No <input 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		334		139		0	
8.750	7.000 J-55	20.0		3880		615		0	
6.250	4.500 J-55	11.0		7862		384		2140	

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	7703							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) DAKOTA	7606	7778	7606 TO 7778			
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
7606 TO 7778	FRAC W/ 90,200# SUPER LC, 1379 BBLs OF 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
11/08/2001	11/03/2001	24	→	0.0	366.0	27.0			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"	230	600.0	→					PGW	

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 #8740 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):
 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
SAN JOSE NACIMIENTO OJO ALAMO	0	1258		OJO ALAMO	2528
	1258	2443		KIRTLAND	2629
	2443	2637		FRUITLAND	3019
				PICTURED CLIFFS	3339
				MESAVERDE	3739
				CHACRA	4287
				CLIFF HOUSE	5019
				MENEFEE	5040
				POINT LOOKOUT	5591
				GALLUP	6818
				GREENHORN	7493
				DAKOTA	7555

32. Additional remarks (include plugging procedure):
 This well is DHC'd in the Blanco Mesaverde and Basin Dakota. Please refer to the attached daily summary for more detailed information.

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 #8740 Verified by the BLM Well Information System.
 For CONOCO INC, sent to the Farmington
 Committed to AFMSS for processing by Lucy Bee on 11/19/2001 (02LXB0425SE)**

Name (please print) YOLANDA PEREZ Title COORDINATOR

Signature _____ (Electronic Submission) Date 11/08/2001

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 ****

API	County	State/Province	Surface Legal Location	NS Dist. (ft)	NS Flag	EW Dist. (ft)	EW Flag
300392670800	RIO ARRIBA	NEW MEXICO	NMPM-27N-7W-8-I	1675.0	S	1095.0	E
Ground Elev (ft)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)			
6859.00	7/25/2001	8/1/2001	36° 35' 6.6624" N	107° 35' 31.4196" W			

Start	Ops This Rpt
8/9/2001	HELD SAFETY MEETING. RU SCHLUMBERGER. HELD 1200 # ON CSG. RAN CBL LOG FROM 7801 TO 1900 '. TOP OF CEMENT @2140 '. RAN TDT LOG FROM 7801' TO 2000'. RAN GR/CCL LOG FROM 7801' TO SURFACE. RD SCHLUMBERGER. INSTALLED FRAC VALVE. TESTED 4 1/2" CSG TO 4300 #. HELD OK. SWI.

Daily Summary

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300392670800	RIO ARRIBA	NEW MEXICO	NMPM-27N-7W-8-I	1675.0	S	1095.0	E
Ground Elev (ft)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)			
6859.00	7/25/2001	8/1/2001	36° 35' 6.6624" N	107° 35' 31.4196" W			

Start	Ops This Rpt
8/15/2001	Held safety mtg. RU frac valve & frac head. RU BJ Services frac unit. RU Blue jet wireline. PU 3 1/8" guns w/ 12g 306i 90° pp charges and RIH and perforate the dakota sands as follows: 7606'-7618' 1 spf w/13 holes, 7682'-7690' .5 spf w/ 5 holes, 7726'-7735' 1 spf w/10 holes, 7748'-7756' .5 spf w/5 holes, 7772'-7778' .5 spf w/4 holes. tot. of 37, .34" holes. Pressure test lines to 4800#. Set and test pop-off @ 3780#. Start B/D, formation broke @ 3293#, 23 bpm & 3440#. Start 1000 gal 15% HCL acid and 45 7/8" 1.3 rcn balls @ 10.8 bpm & 1589#. Flushed @ 20.3 bpm & 2480#, showed a lot of good breaks, but did not ball off MAX = 3800#. RU Blue jet wireline junk basket and lubricator and RIH and retrieve 45 balls. Re-test lines to 4800#. Set pop-off @ 3850#. Start step test @ 32 bpm & 3700#, step to 25.5 bpm & 2980#, step to 18 bpm & 2320#, step to 12 bpm @ 1900#. ISDP= 1480#, FG= .631 psi/ft. Leak-off is as follows: 5 min=1292#, 10 min=1213#, 15 min=1093#. Start 30# x/l Spectra-G frac @ 41 bpm & 2950#, Start .5# @ 41 bpm & 2980#. Start 1# @ 41 bpm & 2900#. Start 2# @ 41 bpm & 2870#. Start 3# @ 41 bpm & 2830#. Start 5# @ 41.5 bpm & 2660#. Flushed w/ 115 bbl @ 27 bpm. ISDP=1850#, 5 min =1785#. Tot sand = 90,200# 20/40 super LC, AV psi= 2750#, Av rate=41 bpm. RD service companys. Secure well and SDFN.
8/28/2001	Held safety mtg. RU Blue jet wireline and mast truck. PU Halliburton 4.5" comp plug and RIH and set @ 5520'. POOH and PU 3 1/8" guns w/ 12g 306T 90° pp and RIH and perforate the PLO/ MEN as follows: 5312'-5316', w/3 holes, 5322'-5328' w/4 holes, 5364'-5380' w/9 holes, 5398'-5400' w/2 holes, 5410'-5418', w/ 5 holes. All shots are .5 SPF. 23 tot .34" holes. RD wireline and release. Secure well and SDFN.
8/31/2001	Held safety mtg. RU Blue jet wireline and mast truck. PU Halliburton 4.5" comp plug and RIH and set @ 5285'. POOH and PU 3 1/8" guns w/ 12g 306T 90° pp and RIH and perforate the MEN/ CH as follows: 5026'-5038', w/7 holes, 5081'-5089' w/5 holes, 5097'-5103' w/4 holes, 5238'-5242' w/5 holes, 5276'-5280', w/ 5 holes. For 23 tot .34" holes. RD wireline. RU Stinger isolation tool. RU Bj services frac unit. Pressure test lines to 4800#. Set and test pop-off @ 3840#. Start B/D. Formation broke @ 3750#. Pumped into @ 20 bpm and 2150#. Start 28 7/8" 1.3 sg balls @ 15 bpm and 1600#. Flushed @ 20 bpm & 2000#. Balled off @ 3850#. RD isolation tool and RU wireline junk basket. RIH and retrieve 27 balls. RU isolation tool and frac iron. Start step test @ 31 bpm & 2700#, step to 25 bpm & 2500#, step to 18 bpm and 1700#. S/D. ISDP= 1200#. Start 70Q linear foam pad @ 40 bpm & 3557#. Start .5# @ 40 bpm & 3500#, Start 1# @ 40 bpm & 3487#, Start 2# @ 40 bpm & 3479#, Start 3# @ 40 bpm & 3391#, start 4# @ 40 bpm & 3386#, Flush w/ 75 bbl linear gel. AV rate=40 bpm, AV psi=3350#. 70,800# 20/40 brady sand. 594100 scf N2. FTR=565 bbl. SI well w/ 1010# after 5 min. Secure well and RD service companys.
8/31/2001	Held safety mtg. RU Stinger isolation tool. RU Bj services frac unit. Pressure test lines to 4800#. Set and test pop-off @ 3840#. Start B/D. Formation broke @ 2650#. Pumped into @ 20 bpm and 2150#. Start 28 7/8" 1.3 sg balls @ 15 bpm and 1600#. Flushed @ 20 bpm & 2000#. Balled off @ 3850#. RD Isolation tool and RU wireline junk basket. RIH and retrieve 27 balls. RU isolation tool and frac iron. Start step test @ 35 bpm & 3420#, step to 30 bpm & 3000#, step to 21 bpm and 2250#, S/D. ISDP= 1450#. Start 70Q linear foam pad @ 40 bpm & 3557#. Start .5# @ 42 bpm & 3400#, Start 1# @ 42 bpm & 3387#, Start 2# @ 44 bpm & 3579#, Start 3# @ 44 bpm & 3600#, start 4# @ 45 bpm & 3610#. Flush w/ 84 bbl linear gel. AV rate=42.5 bpm, AV psi=3450#. 101,120# 20/40 brady sand. 692,000 scf N2. FTR=469 bbl. SI well w/ 1600# after 5 min. Secure well and RD isolation tool. SEE NEXT REPORT DATED 8/31.
10/15/2001	Held safety mtg. MI, Spot equipment. and unit. Secure Loc. and SDFN.
10/16/2001	Held safety mtg. SICP=1450#. RU unit and equipment. Bleed down csg. and kill w/20 bbl kcl. ND frac valve, NU BOP. Test BOP and test was good. RU Blewie line. PU mill and TIH w/ 92 jts 2 3/8" tbg. Secure well and SDFN.
10/17/2001	Held safety mtg. SICP=300#. Bleed csg. down, and kill tbg. Blow well around. TIH w/71 jts and tag fill @ 5144'. Clean out 5175'. Circulate clean. TOH w/ 8 jts. Secure well and SDFN.
10/18/2001	Held safety mtg. SICP=550#. Bleed csg. down, Kill tbg. TIH w/ 11 jts. Tag fill @ 5242'. Clean out to plug and drill. TIH w/ 3 jts and tag @ 5372'. Drill for 1 hr and make 4 inches of hole. TOOH and inspect mill. Mill shows evidence of collapsed csg. Call engineering and decide to use csg. swedge to fix csg. Secure well and SDFN.
10/19/2001	Held safety mtg. SICP=600#. Bleed down csg. and kill w/ 10 bbl kcl. PU 3.5" swedge, 5 drill collars, bumper sub and jars. TIH w/ 166 jts tbg. to 5471'. 3.5' swedge had no problem going through tight spot in the csg. @ 5372'. TOOH and pu 3 7/8" swedge and TIH and tag @ 5372'. Worked swedge through bad spot from 5372' to 5373'. PU 1 more jt and tagged agin @ 5394'. Was able to work this spot out w/ out any trouble. POOH w/ 100 jts. tbg. Secure well and SDFN.
10/22/2001	Held safety mtg. SICP=700#. Bleed csg. down. TOOH w/ tbg. and LD jars, collars, and swedge. PU 3 7/8" tapered mill and 3 3/4" stabilizer. TIH w/166 jts tbg. and find tight spot. RU swivel and dress csg. Clean out to plug @ 5520'. Blow well around. POOH w/ 18 jts. Secure well and SDFN.
10/23/2001	Held safety mtg. SICP=700#. Bleed csg. down and kill tbg. TIH w/ 18 jts and tag fill @ 5465'. (55' fill). Clean out to plug and circulate clean. Well is bringing back a considerable amount of foamy load water. TOOH w/ 6 jts and blow around to test MV. Formation is still giving up too much water to get a good test. Secure well and SDFN.

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Start	Ops This Rpt
10/24/2001	Held safety mtg. SICP=650#. Bleed csg. down . TIH w/ 4 jts and did not tag any new fill. POOH w/ 4 jts. Get flowing up tbg. and test MV perfs. After 4 hr test the flowing tbg. pressure was only 10#. Contacted engineering and decided to pump 25 bbl kcl as fast as we could pump w/ rig pump. Then drop below all MV perfs and blow around agin. We are trying to correct a blockage of the MV perfs if there is one.. Pumped 25 bbl , TIH w/ 4 jts and blow well around. Blow around for 1 hr. and well started making foamy water. By the end of the day the water production is up to approx. 30 bbl per/hr. Decided to blow around for another day and try to dry formation. POOH w/ 6 jts. Secure well and SDFN.
10/25/2001	Held safety mtg. SICP=600#. Bleed csg. down . TIH w/ 6 jts and blew well around for 4 hrs. Fluid production showed evidence of slowing down. Get flowing up tbg. and try to re-test MV perfs. Tbg. pressure stabelized at 20 psi for 2 hrs w/ 300# on csg. Then well started logging off. Within another hour the well was completely dead. TOOH w/ 4 jts. Secure well and SDFN.
10/26/2001	Key safety mtg lasted till mid morning. By the time the crew would get to location the work day would be over. Put rig on stand by the rest of day.
10/29/2001	Held safety mtg. SICP=950#. Bleed csg. down. Kill tbg. TIH w/ 6 jts. Tag fill @ 5472'. Clean out to plug @ 5520'. Drill plug and circulate clean. POOH w/ 20 jts. Secure well and SDFN.
10/30/2001	Held safety mtg. SICP= 850#. Bleed csg down. TIH w/ 18 jts . Blow well around and unload. TIH w/ 15 jts and tag @ 5984'. POOH w/ 1 jt. RU swivel and start air mist. Tbg. pressured up to 1800#. Bleed tbg. down and pump 5 bbl down tbg. Pressure up w/ air to 1800#. Tbg. plugged. POOH w/ 191 jts. LD stabilizer and tapered mill. PU 3 7/8" junk mill and TIH w/ 191 jts tbg. Tagged @ 5984'. POOH w/ 2 jts and RU swivel. Blow well around. C/O to 6085' circulate clean. POOH w/ 40 jts. Secure well and SDFN.
10/31/2001	Held safety mtg. SICP=1500#. Bleed csg. down and kill tbg. TIH w/ 97 jts tbg. And tag fill @ 7753'. C/O w/ 3 jts to PBTD @ 7877'.
11/1/2001	Circulate clean. TOOH w/ 250 jts and mill. TIH w/ MS, SN and 138 jts 2 3/8" tbg. Secure well and SDFN.
11/1/2001	Held safety mtg. SICP= 1520# Bleed csg. down and kill tbg. TIH w/ 112 jts tbg. to PBTD. FOUND NO FILL. LD 5 jts and get flowing up tbg. Initial DHC test is as follows: TBG. set @ 7703 w/ kb. SICP= 600# , Flowing tbg. pressure is 228#. Production = 1505 MCFPD tested on a .5" choke. We will be running a production log on this well for accurate allocation of MV/DK gas. Bleed csg. down and kill tbg. POOH w/ 92 jts tbg. pulled 200' above MV perfs and prep to run production log. Secure well and SDFN.
11/2/2001	Held safety mtg. SICP= 1380#. Bleed well down and RU Computalog wireline unit. RIH to 7800' and run log over Dakota @ 200 fpm. Pull up into MV and started having trouble w/ turbine. Got partial log on MV but turbine would stop @ 5280'. POOH and Check turbine. Repaired turbine and RIH and had the same problem . We will re-try log in the AM. Secure well and SDFN.
11/3/2001	Held safety mtg. SICP=1300#. Bleed well down PU Computalog tools and RIH and pull production log over Dakota and MV @ different speeds. PRODUCTION LOG GAS RATES ARE AS FOLLOWS: DAKOTA = 366 MCFPD 27 BWPD 0 BOPD 0 CONDESATE NO SAND (For engineering purposes perfs from 7606'-7618' = 92 MCFD Dry gas. perfs @ 7682'-7690'= 90 MCFPD, Dry gas. Perfs @ 7726'-7778'= 184 MCFPD w/ 27 bwpd.) Mesa Verde = 932 mcfpd 0 bwpd 0 bopd 0 condasate 0 sand (CH perfs @ 5026'-5103'= 522 mcfpd dry gas, UPPER MEN perfs @ 5238'-5280 not producing. Lower MEN perfs @ 5312-5328'= 161 mcfpd, dry gas. PLO perfs= 249 mcfpd, dry gas) POOH w/ wireline Secure well and SDFN.
11/5/2001	Held safety mtg. SICP=1500#. Bleed csg. down and kill tbg. TIH and land well w/ 245 jts 2 3/8" tbg. @ 7703' w/ kb. Mulæ shoe and seating nipple on bottom. ND BOP . NU well head. RD unit and equipment. Move off location. Turn over to operator and EPNG pipeline. FINAL REPORT.