Form 3160-4
(August 1999)

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. NMSF 078498

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 228M

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. 30-039-26686

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface: SENW 1805FNL 1850FWL
At top prod interval reported below
At total depth

10. Field and Pool, or Exploratory BLANCO MESAVERDE

11. Sec., T., R., M., or Block and Survey or Area Sec 8 T27N R7W Mer NMP

12. County or Parish RIO ARRIBA
13. State NM

JAN 2002
RECEIVED
OIL CONS. DIV.

14. Date Spudded 08/02/2001
15. Date T.D. Reached 08/10/2001
16. Date Completed ☐ D & A ☒ Ready to Prod. 12/01/2001
17. Elevations (DF, KB, RT, GL)* 6841 GL

18. Total Depth: MD 7839 TVD
19. Plug Back T.D.: MD 7836 TVD
20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL, TDT, GR/CCL

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 J-55	36.0	0	297		139		0	
8.750	7.000 J-55	20.0	0	3844		642		0	
6.250	4.500 J-55	10.5	0	7839		665		2150	

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	7731							

25. Producing Intervals

Formation	Top	Bottom
A) BLANCO MESAVERDE	5070	5454
B)		
C)		
D)		

26. Perforation Record

Perforated Interval	Size	No. Holes	Perf. Status
5070 TO 5454			OPEN

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

Depth Interval	Amount and Type of Material
5070 TO 5346	FRAC W/50,880 20/40 SAND & 86,655 GALS 2% KCL SLICKWATER & 1000 GALS 15% HCL ACID
5070 TO 5454	FRAC W/50,240 20/40 SAND & 111,346 2% KCL

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
12/01/2001	11/27/2001	24	→	5.0	1848.0	5.0			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	280	700.0	→					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 #9908 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

NMOCD

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):

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	2401	2597		OJO ALAMO	2501
				KIRTLAND	2597
				FRUITLAND FM.	3006
				PICTURE CLIFFS	3348
				LEWIS	3748
				CHACRA	4273
				CLIFFHOUSE	4990
				MENEFEE	5016
				POINT LOOKOUT	5575
				GALLUP	6814
				GREENHORN	7494
				GRANEROS	7557
				TWO WELLS	7584
				PAGUATE	7683
				CUBERO	7718

32. Additional remarks (include plugging procedure):
This well is a downholed commingled well in the Blanco Mesaverde and Basin Dakota.
Attached are the dailys.

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 #9908 Verified by the BLM Well Information System.
For CONOCO INC., sent to the Farmington

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

Signature (Electronic Submission) Date 01/03/2002

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 fradulent statements or representations as to any matter within its jurisdiction.

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SAN JUAN 28-7 UNIT 228M (AWS 8/15/2001) — Initial Completion

Daily Summary

API	County	State/Province	Surface Legal Location	NS Dist. (ft)	NS Flag	EW Dist. (ft)	EW Flag
300392668600	RIO ARRIBA	NEW MEXICO	NMPM-27N-7W-8-F	1805.0	N	1850.0	W

Ground Elev (ft)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)
6841.00	8/2/2001	8/10/2001	36° 35' 26.6532" N	107° 35' 58.7364" W

Start	Ops This Rpt
8/15/2001	HELD SAFETY MEETING. RU SCHLUMBERGER. HELD 1200 # ON CSG. RAN CBL LOG FROM 7824'TO 1880'. TOP OF CEMENT @ 2150 '. RAN TDT LOG FROM 7824' TO 1700'. RAN GR/CCL LOG FROM 7824' TO SURFACE. RD SCHLUMBERGER. INSTALLED FRAC VALVE. TESTED 4 1/2" CSG TO 4300 #. HELD OK. SWI.
9/13/2001	Held safety mtg. RU Blue jet wireline and mast truck. PU 3 1/8" csd. hole guns w/ 12g 306T 90^ pp charges and RIH and perforate the DK sands as follows: 7594'-7598', 7606'-7624',7686'-7692',7720'-7738',7752'-7766',7773'-7777', 7789'-7794', 7798'-7803', 7806'-7812'. All shots are 2spf for a tot of 160 holes. RU Stinger isolation tool. RU BJ services frac unit. Pressure test lines to 4932#.Set pop-off @ 3950#.Start KCL b/d. Formation broke @ 1700# Pumped 26 bpm and 3800#. S/D ISDP= 1560#.FG=.64 psi/ft. Sart HCL and 166 7/8" 1.3sg ball sealers. Showed good ball action but did not ball off. Max pressure achived was 3200#. @ 17 bpm.RU blue jet wireline junk basket and RIH and retrive 166 balls. RU BJ and re-test lines. to 5030#.Set pop-off @ 3847#. Start step test @ 30 bpp and 3420#, step to 19 bpm & 2320#, Step to 7 bpm & 1558#.SD ISDP= 1350#. 5 min=964#, 10 min= 840#, 15 min= 675#.Start slick 100 mesh stage @ 58 bpm & 3287#, Start pad @ 61.6 bpm & 3537#.Start .5# sand @ 61 bpm & 3350#.Steat 1# sand @ 61 bpm & 3500#. Start 1.25# sand @ 61 bpm & 3500#. Pumped 90 bbls and developed a leak on a chicksan @ the O ring. S/D and fixed leak. Got back into the job on slick water @ 50 bpm & 3600#. Pumped 98 bbl water spacer and Started 1.5# sand @ 50 bpm & 3680#.The last 10,000# of sand we took density to 2.1ppg. Flushed well w/116 bbl @ 40 bpm & 3750#. ISDP=2200#. AV. rate =54bpm, AV psi=3500#.Highest sand concentration reached was 2.2 ppg. Pumped tot of 98,500# 20/40 brady sand & 2,813# of 100 mesh sand. Shut well in w/ 1560# after 7 min. RD service companys and secure well. SDFN.
9/20/2001	Held safety mtg. SICP=0# RU blue jet wire line and mast truck. PU 4.5" halliburton comp plug and RIH and set @ 5800'. POOH and PU 3 1/8" csd. hole guns w/ 12g , 306t, 90^ pp charges and RIH and perforate the PLO sands as follows: 5070'-5074',5096'-5112',5168'-5172',5176'-5180',5184'-5190',5218'-5236',5254'-5258',5266'-5278',5304'-5308',5320'-5328',5335'-5346 All shots are 1SPF for a tot. of 133 holes. RD wireline secure well head and SDFN.
9/21/2001	Held safety mtg. SICP=0#. Fluid level down 200'. RU Stinger isolation tool. RU BJ Services frac unit. Pressure test lines to 4800#, Set pop-off @ 3830'. Start 1000 gal 15% hcl @ 9 bpm and 100#.Formation broke @ 2570#. Start kcl pre-pad @ 28 bpm & 200#, Start Slick water pad @ 71 bpm & 1525#. Start .5# sand @ 71 bpm & 1384#. Changed chemical loading to .5 gpt on the FRW-30. Pressure increased to 1750# Lost sand concentration in TMV but we are still showing density on the blender.Went back to 1 gpt 660 bbl into .5#. Start 1# sand @ 71 bpm & 1445#. Start 1.5# sand @ 70 bpm & 1450#. Flush w/ 84 bbl slick water. ISDP=0 . AV rate = 70 bpm , Av psi = 1600#. TOT sand = 50,880# 20/40 brady. Sting out of hole w/ isolation tool. RD services companys. Secure well and SDFN.
9/25/2001	Held safety mtg.RU Blue jet wireline and mast truck.PU 4.5" halliburton composite plug and RIH and set @ 5500'. PU 3 1/8" csd. hole guns w/ 12g 306t 90^ PP charges and RIH and perforate MEN sands as follows: 5070'-5074', 5096'-5112', 5168'-5172', 5176'-5180', 5184'-5190', 5218'-5236', 5254'-5258', 5266'-5278', 5304'-5308', 5320'-5328', 5335'-5346', 5373'-5384', 5411'-5418', 5444'-5454'. Secure well and SDFN
9/26/2001	Held safety mtg. SICP=0#. RU Stinger isolation tool. RU BJ Services frac unit. Pressure test lines to 4800#, Set pop-off @ 3750'.Start KCL to B/D Formation broke @ 2618#, Pumped @ 73 bpm & 2750# Start 1000 gal 15% hcl @ 11 bpm and 1279#. Start kcl step test @ 40 bpm & 3342#, Step o 30 bpm & 2276#, Step to 22 bpm & 1823# Step to 10 bpm & 1200#,SD. ISDP= 1100# FG= .64 psi/ft. Start Slick water pad @ 71 bpm & 3200#. Start .5# sand @ 71 bpm & 3050#. Changed chemical loading to .5 gpt on the FRW-30. Start .75# sand @ 71 bpm & 2780#. Start 1.0# sand @ 70 bpm & 2770#. Flush w/ 75 bbl slick water. ISDP=1150# . AV rate = 70 bpm , Av psi = 3000#. TOT sand = 50,240# 20/40 brady. Sting out of hole w/ isolation tool. RD services companys. Secure well and SDFN.
11/16/2001	Held safety mtg. Move Key rig #10,and equipment off of location and do some welding and rig repairs. MI and spot rig and equipment.
11/19/2001	Held safety mtg. SICP= 350#. RU unit and equipment. Blow well down to 50# and kill w/ 20 bbl kcl. ND master valve, and frac valve. NU BOP. Install plugged tbg. hanger. RU Quadco and test BOP's. tests were good. RU blewie T and lines.PU 3 7/8" mill and XO sub and TIH w/ 100 jts 2 3/8" tbg. Secure well and SDFN.
11/20/2001	Held safety mtg. SICP=100#. Bleed down. NU kelly to tbg. Build air mist and blow well around. TIH w/ 71 jts tbg. and tag fill @ 5378'. Clean out to 5455' w/ 2jts tbg. Circulate clean. Well making sand. POOH w/ 14 jts. Secure well and SDFN.
11/21/2001	Held safety mtg. SICP= 575#, Bleed csg. down, kill tbg. TIH w/ 14 jts 2 3/8" tbg.Tag fill @ 5425'. C/O w/ 3 jts.to plug.RU swivel. and drill plug @ 5700'.Circulate clean.TOH w/ 17 jts. Secure well and SDFN.
11/26/2001	Held safety mtg. SICP= 1100#. Bleed off csg. Kill tbg. TIH w/ 23 jts and tag fill @ 5708'. C/O to plug @ 5800' w/3 jts. Circulate clean. TOH w/ 26 jts. tbg. Secure well and SDFN.

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Start	Ops This Rpt
11/27/2001	Held safety mtg. SICP= 1100#. Bleed off csg. kill tbg. w/ 10 bbl kcl. TIH w/ 26 jts tbg. and tagged no fill. TOOH w/ 4 jts. Get flowing up tbg. TEST MV PERFS FROM 5070'-5706'. TEST IS AS FOLLOWS. 2 3/8" TBG. SET @ 5624' . TESTED ON 1/2" CHOKE. COEFFICIANT OF 6.6 FTP=280# SICP=700# PRODUCTION=1848 MCFPD 5 BWPD 5 BOPD 0 SAND TEST WITNESSED BY T.MONK W/ KEY ENERGY SERVICES Bleed csg down kill tbg. w/ 10 bbl kcl. tih w/ 5 jts and drill plug over dakota. Circulating pressure came up from 750# to 1200#. Circulate clean. TOOH w/ 27 jts. Secure well and SDFN.
11/28/2001	Held safety mtg. SICP=1320#. Bleed csg. down, kill tbg. TIH picking up w/ 90 jts 2 3/8" tbg. and tag fill @ 7791'. Clean out to pbtd of 7836'. Circulate clean . TOOH w/ 90 jts . Secure well and SDFN.
11/29/2001	Held safety mtg. SICP=1250#. Bleed csg. down . Kill tbg. TOOH w/ 158 jts tbg. and mill. TIH w/ 249 jts. tbg and MS,SN. and Tagged fill at 7821'. Clean out w/1 jt. to PBTD of 7836'. Circulate clean. TOOH w/ 10 jts. Secure well and SDFN.
11/30/2001	Held safety mtg. SICP=1250#.Bleed down csg . Kill tbg. TIH w/ 10 jts and did not tag any fill. Circulate clean. TOOH w/ 98 jts and set tbg. @ 4865' w/kb. RU Computalog wireline for production log. TIH w / spinner and quit working. POOH and replace jewels in turbine. TIH and retry. turbine quiet agin. POOH and replace jewels. TIH and retry, agin the spinner stopped. Notify engineering. and decided to use choke tests for allocations. Computalog engineer said that 2.5 million is thewre curtin for the tools they have avalible. RD wireline. Secure well and SDFN.
12/1/2001	Held safety mtg. SICP= 1235# Bleed csg. down ,kill tbg. TIH w/ 92 jts. and land tbg. @ 7731' w/KB. ND BOP, NU well head. Get flowing up tbg. RD unit and eguipment. Flow test for DHC. TEST IS AS FOLLOWS; PERFS TESTED = MV- 5070'-5706' & DK 7549'-7812' TBG. SET @ 7731' W/KB TESTED ON A 1/2" CHOKE W/ COEFFICIENT OF 6.6 FTP=365# SICP=850# PRODUCTION= 2409 MCFPD 20 BWPD 5 BOPD 0 SAND WELL SHOWS SIGNS OF PARAFFIN. USING SUBTRACTION METHOD THE DAKOTA ALLOCATION IS 561 MCFPD, AND THE MV ALLOCATION WILL BE 1848 MCFPD. TEST WITNESSED BY. T MONK W/ KEY ENERGY SERVICES. FINAL REPORT. Turn over to operator and EPNG for production.

Form Status Menu

Well Completion Report

This Well Completion Report was received by the BLM Well Information System and will be processed by the Farmington BLM office.

Current status of Transaction Number **9908**:

Date Sent: **1/3/2002**
Current status of submission: **RECVD**
Sent to BLM office: **Farmington**
Lease number: **NMSF 078498**
Submitted attachments: **1**
Well name(s) and number(s):
SAN JUAN 28-7 #228M

To edit, view, or add a note, click here

To use this Well Completion Report to file another Well Completion Report click here.

To view or print this Well Completion Report, click here.

To add/view or remove attachments previously submitted for this Well Completion Report, click here.

To return to the Previous Submissions screen, click here.

To return to the Operator Main Menu, click here.