

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.  
NMSF078497

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.  
NMNM78413C

2. Name of Operator  
CONOCO INC

Contact: DEBORAH MARBERRY  
E-Mail: deborah.marberry@conocophillips.com

8. Lease Name and Well No.  
SAN JUAN 28-7 UNIT 241M

3. Address PO BOX 2197, DU 3084  
HOUSTON, TX 77252-2197

3a. Phone No. (include area code)  
Ph: 832-486-2326

9. API Well No.  
30-039-27039-00-C1

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface Sec 8 T28N R7W Mer NMP  
SESE 440FSL 285FEL

At top prod interval reported below

At total depth

10. Field and Pool, or Exploratory  
BLANCO MV / BASIN DAKOTA

11. Sec., T., R., M., or Block and Survey  
or Area Sec 8 T28N R7W Mer NMP

12. County or Parish  
RIO ARRIBA

13. State  
NM

14. Date Spudded  
10/08/2002

15. Date T.D. Reached  
10/15/2002

16. Date Completed  
D & A 11/12/2002  
☒ Ready to Prod.

17. Elevations (DF, KB, RT, GL)\*  
6617 GL

18. Total Depth: MD 7800  
TVD

19. Plug Back T.D.: MD 7794  
TVD

20. Depth Bridge Plug Set: MD  
TVD

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

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	229		135		0	
8.750	7.000 J-55	20.0	0	3601		425		0	
6.250	4.500 J-55	11.0	0	7797		460		2520	

**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	7597							

**25. Producing Intervals**

**26. Perforation Record**

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) DAKOTA	7564	7752	7564 TO 7752	3.180	60	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7564 TO 7752	FRAC W/SLICKWATER, 50,280# 20/40 SAND & 2200 BBLs

**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
12/03/2002	11/12/2002	24	→	0.0	396.0	0.0			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	360	850.0	→					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	
			→						

ACCEPTED FOR RECORD

JAN 08 2003

FARMINGTON FIELD OFFICE

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

ELECTRONIC SUBMISSION #17293 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\*

NMOCD

## 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.)

FLARED

## 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	0	1101		NACIMIENTO	1197
NACIMIENTO	1101	2412		OJO ALAMO	2431
OJO ALAMO	2412	2551		KIRTLAND	2497
				FRUITLAND	3002
				PICTURED CLIFFS	3291
				CHACRA	4253
				CLIFF HOUSE	4931
				MENEFEE	5133
				POINT LOOKOUT	5501
				GALLUP	6772
				GREENHORN	7466
				DAKOTA	7552

## 32. Additional remarks (include plugging procedure):

This well is a downhole commingled well in the Basin Dakota and Blanco Mesaverde. 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 #17293 Verified by the BLM Well Information System.

For CONOCO INC, sent to the Farmington

Committed to AFMSS for processing by Adrienne Garcia on 01/08/2003 (03AXG0522SE)

Name (please print) DEBORAH MARBERRYTitle SUBMITTING CONTACTSignature (Electronic Submission)Date 01/06/2003

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 \*\***

## Daily Summary

API/UWI 300392703900	County RIO ARRIBA	State/Province NEW MEXICO	Surface Legal Location NMPM-28N-7W-8-P	N/S Dist. (ft) 440.0	N/S Ref. S	E/W Dist. (ft) 285.0	E/W Ref. E
Ground Elevation (ft) 6617.00	Spud Date 10/8/2002	Rig Release Date 10/16/2002	Latitude (DMS) 36° 40' 10.7004" N	Longitude (DMS) 107° 35' 17.6892" W			

Start Date	Ops This Rpt
10/21/2002 00:00	HELD SAFETY MEETING. RU SCHLUMBERGER PRESSURED UP CSG TO 2000 #. RAN CBL LOG FROM 7768' TO 2320'. TOP OF CEMENT @ 2520'. RAN TDT LOG FROM 7768' TO 1800'. RAN GR/CCL LOG FROM 7768' TO SURFACE. PRESSURED TESTED 4 1/2" CSG TO 4300 #. HELD OK. RD SCHLUMBERGER. (SSM)
10/24/2002 00:00	HELD SAFETY MEETING. RU BLUE JET. PERFORATED THE DAKOTA. RIH W/ 3 1/8" 120 DEGREE PP SELECT FIRE PERFORATING GUN. PERFORATED FROM 7564' - 7572' W/ 1 SPF, 7582' - 7602' W/ 1 SPF, 7695' - 7704' W/ 1 SPF, 7728' - 7734' W/ 2 SPF, 7748' - 7752' W/ 2SPF. A TOTAL OF 60 HOLES. SWION. RD BLUE JET. (SSM)
10/25/2002 00:00	HELD SAFETY MEETING. RU B J SERVICES. FRAC'D THE DAKOTA. TESTED LINES TO 5300 #. SET POP OFF @ 3910 #. BROKE DOWN FORMATION @ 7 BPM @ 2350 #. DROPPED 24 BALL SEALERS IN 1000 GALS OF 15% HCL ACID @ 1 BALL PER BBL AND 2 BALLS PER BBL FOR THE REMAINING 48 BALL SEALERS @ 20 BPM @ 2656 #. A TOTAL OF 72 BALL SEALERS. GOOD BALL ACTION. BALLED OFF @ 3790 #. RU BLUE JET. RIH W/ JUNK BASKET. RETRIEVED 72 BALL SEALERS. PUMPED PRE PAD @ 30 BPM @ 3755 #. STEPPED DOWN RATE TO 21 BPM @ 2879 #. STEPPED DOWN RATE TO 16 BPM @ 2459 #. STEPPED DOWN RATE TO 10 BPM @ 2117 #. ISIP 1778 #. 5 MIN 1352 #. 10 MIN 1073 #. 15 MIN 858 #. 20 MIN 706 #. 25 MIN 537 #. 30 MIN 421 #. FRAC'D THE DAKOTA W/ SLICKWATER, 50,280 # 20/40 SUPER LC SAND & 2200 BBLs FLUID. AVG RATE 55 BPM. AVG PRESSURE 3524 #. MAX PRESSURE 3800 #. MAX SAND CONS 1 # PER GAL. ISIP 2380 #. FRAC GRADIENT .67. RU BLUE JET. RIH W/ 4 1/2" COMPOSITE PLUG. SET @ 5700'. TESTED PLUG TO 4300 #. HELD OK. PERFORATED THE CLIFFHOUSE & POINT LOOKOUT. RIH W/ 3 1/8" 120 DEGREE SELECT FIRE PERFORATING GUN. PERFORATED FROM 4940'-4950' W/ 1/2 SPF, 4974'-4984' W/ 1/2 SPF, 5064'- 5076' W/ 1/2 SPF, 5098'-5102' W/ 1/2 SPF, 5112'- 5116' W/1/2 SPF, 5492' - 5496' W/ 1/2 SPF, 5526'- 5532' W/ 1/2 SPF, 5558' - 5564 W/ 1/2 SPF, 5590' - 5596' W/ 1/2 SPF. A TOTAL OF 40 HOLES. SWI. RD B J SERVICES & BLUE JET. (SSM)
10/26/2002 00:00	HELD SAFETY MEETING. RU BJ SERVICES. FRAC'D THE CLIFFHOUSE & POINT LOOKOUT. TESTED LINES TO 5370 #. SET POP-OFF @ 3970 #. BROKE DOWN FORMATION @ 6 BPM @ 2050 #. DROPPED 24 BIO BALLS @ 1 BALL PER BBL AND 2 BALLS PER BBL FOR THE REMAINING 24 BIO BALLS @ 25 BPM @ 625 #. A TOTAL OF 48 BIO BALLS. GOOD BALL ACTION. BALLED OFF @ 1350 #. SHUT DOWN FOR 1 HR. WAITED ON BIO BALLS. PUMPED PRE PAD @ 33 BPM @ 2017 #. STEPPED DOWN RATE TO 27 BPM @ 1317 #. STEPPED DOWN RATE TO 22 BPM @ 928 #. STEPPED DOWN RATE TO 18 BPM @ 602 #. ISIP 0 #. FRAC'D THE CLIFFHOUSE & POINT LOOKOUT W/ 65 Q SLICK WATER FOAM W/ 1 G/MG FR, 199,460 # OF 20/40 BRADY SAND & 5640 # OF FLEXSAND 14/30 MSE IN LAST HALF OF THE 1.5 # SAND, TOTAL SAND PUMPED WAS 205,100 #, 1,971,000 SCF N2 & 2258 BBLs FLUID. AVG RATE 60 BPM. AVG PRESSURE 1963 #. MAX PRESSURE 2585 #. MAX SAND CONS 1.5 # PER GAL. ISIP 1600 #. FRAC GRADIENT .43. RA TAGGED FRAC. TAGGED 0.5 # SAND W/ SCADIUM. TAGGED 1 # & 1.5 # SAND W/ ANTIMONY. TAGGED FLEXSAND W/ IRRIDUM. SWI. RD BJ SERVICES. (SSM)
10/28/2002 00:00	HELD SAFETY MTG. SICP= 900#. ROAD UNIT TO LOCATION. RU UNIT AND EQUIPMENT. ND FRAC STACK. NU BOP. INSTALL PLUGGED TBG. HANGER. RU WOODGROUP PRESSURE TEST UNIT. TEST BOP. 250# LOW AND 5000#. HIGH. TEST WAS GOOD. ND WOOD GROUP. RU AIR UNIT AND EQUIPMENT. WAIT 1 1/2 HRS FOR ROUST-ABOUT CREW. RU BLOOIE T AND BLOOIE LINES. SECURE WELL AND SDFN. AWS.
10/29/2002 00:00	HELD SAFETY MTG. SICP=600#. wait on location for snow to slow down. BLEED WELL DOWN ON 1/2" CHOKE. KILL WELL W/ 10 BBL. PU 157 JTS 2 3/8" TBG. BUILD AIR MIST AND UNLOAD WELL @ 4946'. WELL UNLOADING HEAVY FLUID AND MEDIUM SAND. LET CIRCULATE REST OF DAY. SECURE WELL AND SDFN. AWS
10/30/2002 00:00	HELD SAFETY MTG. SICP=600# BLEED WELL DOWN W/ 1/2" CHOKE. TIH W/ 21 JTS 2 3/8" TBG. AND TAG FILL @ 5690' ( 110' FILL). BUILD AIR MIST AND CLEAN OUT TO 5700'. CIRCULATE CLEAN. PUH 100' ABOVE PERFS. SECURE WELL AND SDFN. (AWS)
10/31/2002 00:00	HELD SAFETY MTG. SICP=900#, RU EXPERT DOWN HOLE SLICKLINE UNIT. PU 1 3/4" GUAGE RING AND RIH TO ENSURE GETTING THROUGH MILL NIPPLE. POOH AND PU PROTECHNICS ISOTOPE LOGGING TOOLS. RIH AND LOG MESA VERDE. PRELIMINARY UN PROCESSED LOG SHOWED ONLY 20-30% OF SAND PUMPED WENT INTO CLIFF HOUSE FORMATION. CONTACTED ENGINEERING. POSSIBILITY OF RE-FRAC ON CLIFF HOUSE. SD OPERATIONS AWAITING ANSWER FROM HOUSTON. SECURE WELL AND SDFN. (AWS)
11/1/2002 00:00	HELD SAFETY MTG. SICP=900#. BLEED WELL DOWN ON 1/2" CHOKE. KILL TBG. W/ 10 BBL. TOO H W/ 180 JTS 2 3/8" TBG. RD BLOOIE T. NU FRAC VALVE AND "Y". RU BLUE JET WIRELINE AND RIH AND SET 4.5" HALLIBURTON COMPOSITE PLUG @ 5200'. POOH W/ WIRELINE. SECURE WELL AND SDFWE. (AWS).

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Start Date	Ops This Rpt
11/12/2002 00:00	<p>HELD SAFETY MTG. SICP=1100#. BLEED WELL DOWN TIH W/12 JTS AND TAG NO FILL.UNLOAD WELL AND LD. 10 JTS.RU SAND LINE AND DRIFT TBG. LANDED WELL @ 7597' W/KB. W/ 245 JTS A COND 2 3/8" TBG. MULE SHOE AND SEAT NIPPLE ON BOTTOM. ND BOP,NU PRODUCTION TREE. GET FLOWING UP TBG. AND DHC TEST. TEST IS AS FOLLOWS:</p> <p>DK PERFS TESTED-7564'-7752'  MV PERFS TESTED-4940'-5596'  2 3/8" TBG. SET@ 7597' W/ KB  TESTED ON 1/2" CHOKE  COEFICIENT OF 6.6  FTP=360#  SICP=850#  DHC PRODUCTION=2376 MCFPD  DK PRODUCTION=396 MCFPD  MV PRODUCTION=1980 MCFPD  5 BWPD  1 BOPD  0 BCPD  NO SAND  TEST WITNESSED BY N.PARRA W/ KEY ENERGY SERVICES.  RD UNIT AND EQUIPMENT. TURN OVER TO OPERATOR AND EPNG FOR PRODUCTION. FINAL REPORT. AWS.</p>

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Ground Elevation (ft) 6617.00	Spud Date 10/8/2002	Rig Release Date 10/16/2002	Latitude (DMS) 36° 40' 10.7004" N	Longitude (DMS) 107° 35' 17.6892" W			

Start Date	Ops This Rpt
11/4/2002 00:00	HELD SAFETY MEETING. RU BJ SERVICES. FRAC'D THE CLIFF HOUSE. TESTED LINES TO 5100 #. SET POP-OFF @ 3870 #. BROKE DOWN FORMATION @ 12 BPM @ 700 #. DROPPED 24 BIO BALLS @ 1 BALL PER BBL AND 2 BALLS PER BBL FOR THE REMAINING 6 BIO BALLS @ 25 BPM @ 625 #. A TOTAL OF 30 BIO BALLS. GOOD BALL ACTION. BALLED OFF @ 3800 #. SHUT DOWN FOR 1.5 HR. WAITED ON BIO BALLS. PUMPED PRE PAD @ 30 BPM @ 2693 #. STEPPED DOWN RATE TO 25 BPM @ 2011 #. STEPPED DOWN RATE TO 21 BPM @ 1734 #. STEPPED DOWN RATE TO 16 BPM @ 1204 #. ISIP 500 #. BLEED OFF IS 0 IN 5 MIN. FRAC'D THE CLIFFHOUSE W/ 65 Q SLICK WATER FOAM 72,040 # OF 20/40 BRADY SAND & 3000# OF FLEXSAND 14/30 MSE IN LAST HALF OF THE 1.5 # SAND, TOTAL SAND PUMPED WAS 75,041 #, 1,138,800 SCF N2 & 1123 BBLs FLUID. AVG RATE 30 BPM. AVG PRESSURE 2023 #. MAX PRESSURE 2423 #. MAX SAND CONS 1.5 # PER GAL. ISIP 930 #. FRAC GRADIENT .53. RD BJ SERVICES. OPEN WELL ON 1/4" CHOKE AND FLOWED OVER NIGHT. STARTING PRESSURE OF 350#, BROUGHT HEAVY FLUID AND LIGHT SAND. RELEASED FLOW-BACK @ 7:00 AM. ENDING PRESSURE = 80# STILL BRINGING HEAVY FLUID. (AWS)
11/5/2002 00:00	HELD SAFETY MTG. SICP=WELL SILL FLOWING W/ 50#. SI CASING TIH W/ 164 JTS 2 3/8" TBG. AND TAG FILL @ 5071'. (129' FILL). BUILD AIR MIST AND C/O TO PLUG @ 5200'. FORMATION GIVING UP HEAVY SAND AND WATER. LET CIRCULATE REST OF DAY. PUH ABOVE PERFS. SECURE WELL AND SDFN. (AWS)
11/6/2002 00:00	HELD SAFETY MTG. SICP=800#. BLEED WELL DOWN ON 1/2" CHOKE. KILL TBG. W/ 5 BBL. TIH W/ 6 JTS AND TAG FILL @ 5170'. 30' FILL OVER NIGHT. BUILD AIR AND CLEAN OUT TO 5200'. CIRCULATE REMAINDER OF DAY. WELL MAKING MEDIUM TO HEAVY SAND AND FLUID. BY END OF DAY WELL MAKING LIGHT SAND W/ LIGHT TO MED FLUID. PUH ABOVE PERFS. SECURE WELL AND SDFN. (AWS)
11/7/2002 00:00	HELD SAFETY MTG. SICP=700#. OPEN WELL UP ON 1/2" CHOKE AND TEST CLIFF HOUSE FORMATION. TEST IS AS FOLLOWS: CH PERFS TESTED= 4940'- 5116', 2 3/8" TBG. SET @ 4933' W/KB. TESTED ON 1/2" CHOKE W/ COEFFICIENT OF 6.6. SICP= 300#, FTP= 95#, CH PRODUCTION= 627 MCFPD. 10 BWPD, 0 BOPD, NO SAND. TEST WITNESSED BY N.PARRA W/ KEY ENERGY SERVICES. TIH W/ 6 JTS TBG. RU SWIVEL, BUILD AIR MIST AND DRILL PLUG @ 5200'. PRESSURE CAME UP 800#. LET PRESSURE BLEED DOWN W/ 1/2' CHOKE. LD SWIVEL. PUH ABOVE PERFS. SECURE WELL AND SDFN. (AWS)
11/8/2002 00:00	HELD SAFETY MTG. SICP=900#. OPEN WELL ON 1/2" CHOKE AND BLEED DOWN. TIH W/ 12 JTS AND TAGGED NO FILL. POOH W/ 12 JTS AND TEST POINT LOOKOUT AND CLIFF HOUSE. TEST IS AS FOLLOWS: MV PERFS TESTED= 4940'-5596' 2 3/8" TBG. SET @ 5200' W/KB TESTED ON 1/2" CHOKE W/COEFFICIENT OF 6.6 FTP=300# SICP=700# MV PRODUCTION= 1980 MCFPD 5 BWPD 1 BOPD 0 BCPD NO SAND TEST WITNESSED BY N.PARRA W/KEY ENERGY SERVICES BLEED WELL DOWN. TIH W/12 JTS AND PU SWIVEL. DRILL PLUG @ 5700'. PRESSURE INCREASED 300#. LET UNLOAD. CONTINUE TO TIH W/ 57 JTS TBG. TAG FILL @ 7491'. 300' FILL IN DAKOTA. CIRCULATE CLEAN. POOH W/15 JTS 23/8" TBG. SECURE WELL AND SDFN. AWS.
11/11/2002 00:00	HELD SAFETY MTG. SICP=900#, bleed well down w/ 1/2" choke. TIH W/ 2 JTS AND TAG @ 7491'. 300' FILL. BUILD AIR MIST AND CLEAN OUT TO 7714' CIRCULATE CLEAN. VERY LIGHT WATER AND NO SAND BY CLOSE OF DAY. PUH ABOVE PERFS. SECURE WELL AND SDFN. AWS.