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. NMSF078565

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

8. Lease Name and Well No. SJ 28-7 260F

3. Address PO BOX 2197 WL3 4066 HOUSTON, TX 77252

3a. Phone No. (include area code) Ph: 832.486.2326

9. API Well No. 30-039-27054-00-C1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface Sec 5 T27N R7W Mer NMP NWSE 2490FSL 1595FEL
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 5 T27N R7W Mer NMP

12. County or Parish RIO ARRIBA

13. State NM

14. Date Spudded 12/02/2002

15. Date T.D. Reached 12/11/2002

16. Date Completed ☐ D & A ☒ Ready to Prod. 03/11/2003

17. Elevations (DF, KB, RT, GL)* 6699 GL

18. Total Depth: MD 7722 TVD

19. Plug Back T.D.: MD 7719 TVD

20. Depth Bridge Plug Set: MD TVD

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

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

MAY 2003

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	275		116		0	
8.750	7.000 J-55	20.0	0	3538		522		0	
6.250	4.500 J-55	11.0	0	7722		434		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	7621							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	DAKOTA	7514	7704	7514 TO 7704		54	OPEN
B)							
C)							
D)							

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

Depth Interval	Amount and Type of Material
7514 TO 7704	FRAC W/SLICKWATER @ 1G/MG FR, 50,000# 20/40 SAND & 2333 BBLS 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
03/17/2003	03/07/2003	24	→	0.0	660.0	1.0			FLOWING
Choke Size	**Tbg. Press. Flwg. SI**	**Csg. Press.**	**24 Hr. Rate**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas:Oil Ratio**	**Well Status**	
1/2	1254	1146.0	→	0	660	1		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
APR 29 2003
FARMINGTON FIELD OFFICE

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

ELECTRONIC SUBMISSION #20497 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM 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.)*
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	0	990		NACIMIENTO	1091
NACIMIENTO	990	2284		OJO ALAMO	2418
OJO ALAMO	2284	2446		KIRTLAND	2497
				FRUITLAND	2891
				PICTURED CLIFFS	3221
				CHACRA	4184
				CLIFF HOUSE	4909
				MENEFEE	4989
				POINT LOOKOUT	5481
				GALLUP	6683
				GREENHORN	7401
				DAKOTA	7490

32. Additional remarks (include plugging procedure):
This well is a downhole commingled well producing from the Blanco Mesaverde and Basin Dakota. Attached are the daily summaries and a wellbore schematic with liner 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 #20497 Verified by the BLM Well Information System.
For CONOCOPHILLIPS COMPANY, sent to the Farmington
Committed to AFMSS for processing by Adrienne Garcia on 04/29/2003 (03AXG1069SE)

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

Signature (Electronic Submission) Date 04/24/2003

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

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

SAN JUAN 28-7 UNIT 191G — Initial Completion

Daily Summary

API/UWI	County	State/Province	Surface Legal Location	N/S Dist. (ft)	N/S Ref.	E/W Dist. (ft)	E/W Ref.
300392706000	RIO ARRIBA	NEW MEXICO	NMPM-28N-7W-33-G	2145.0	N	1960.0	E

Ground Elevation (ft)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)
6634.00	1/10/2003	1/18/2003	36° 37' 8.8896" N	107° 34' 33.2292" W

Start Date	Ops This Rpt
1/25/2003 00:00	HELD SAFETY MEETING. RU SCHLUMBERGER PRESSURED UP CSG TO 2000 #. RAN CBL LOG FROM 7712' TO 1500'. TOP OF CEMENT @ 1770'. RAN TDT LOG FROM 7712' TO 2000'. RAN GR/CCL LOG FROM 7712' TO SURFACE. TESTED 4 1/2" CSG TO 4300 #. HELD OK. RD SCHLUMBERGER. (SSM)
3/1/2003 00:00	HELD SAFETY MEETING. RU BLUE JET. PERFORATED THE DAKOTA W/ 3 1/8" 120 DEGREE SELECT FIRE PERFORATING GUN. PERFORATED FROM 7502'-7520' W/ 1 SPF, 7536'-7542' W/ 1 SPF, 7616'-7626' W/ 1 SPF,7646' - 7648' W/ 1 SPF, 7656' - 7658' W/ 1 SPF, 7674' - 7680' W/ 1 SPF. A TOTAL OF 50 HOLES. SWION. RD BLUE JET.
3/6/2003 00:00	HELD SAFETY MEETING. RIH W/ 4 1/2" COMPOSITE PLUG. SET PLUG @ 5650'. TESTED PLUG TO 4300 #. HELD OK. PERFORATED THE CLIFFHOUSE & POINT LOOKOUT. RIH W/ 3 1/8" 120 DEGREE SELECT FIRE PERFORATING GUN. PERFORATED FROM 4900' - 4904' W/ 1/2 SPF, 4920' - 4924' W/ 1/2 SPF 4956' - 4960' W/ 1/2 SPF, 4982'-4990' W/ 1/2 SPF, 5464'-5470' W/ 1/2 SPF, 5488'-5500' W/ 1/2 SPF, 5528'-5532 W/ 1/2 SPF. A TOTAL OF 28 HOLES. RU SCHLUMBERGER. FRAC'D THE CLIFFHOUSE & POINT LOOKOUT. TESTED LINES TO 4810 #. SET POP OFF @ 3870 #. BROKE DOWN FORMATION @ 3 BPM @ 1780 #. DROPPED 24 BALL SEALERS @ 1 BALL PER BBL @ 10 BPM @ 1108. GOOD BALL ACTION. BALLED OFF @ 3300. RU BLUE JET. RIH W/ JUNK BASKET AND RETRIEVED 24 BALL SEALERS. PUMPED PRE PAD @ 30 BPM @ 1002 #. STEPPED DOWN RATE TO 25 BPM @ 623 #. STEPPED DOWN RATE TO 20 BPM @ 0 #. ISIP 0 #. 5 MIN 0 #. FRAC'D THE CLIFFHOUSE & POINT LOOKOUT W/ 65 Q SLICK WATER FOAM W/ 1 G/MG FR, 170,000 # OF 20/40 BRADY SAND AND TREATED THE LAST 15% OF TOTAL PROPPANT VOLUME WITH PROPNET FOR PROPPANT FLOWBACK CONTROL, 2,272,690 SCF N2 & 1878 BBLS FLUID. AVG RATE 55 BPM. AVG PRESSURE 2857 #. MAX PRESSURE 3148 #. MAX SAND CONS 1.5 # PER GAL. ISIP 2100 #. FRAC GRADIENT .53. SWI. RD SCHLUMBERGER. (SSM).
3/6/2003 00:00	HELD SAFETY MEETING. RU SCHLUMBERGER. FRAC'D THE DAKOTA. TESTED LINES TO 4867 #. SET POP OFF @ 3878 #. BROKE DOWN FORMATION @ 2 BPM @ 1213 #. DROPPED 24 BALL SEALERS IN 1000 GALS 15% HCL ACID @ 1 BALL PER BBL AND 2 BALLS PER BBL FOR THE REMAINING 36 BALL SEALERS @ 15 BPM @ 2069 #. A TOTAL OF 60 BALL SEALERS. GOOD BALL ACTION. BALLED OFF @ 3400 #. RU BLUE JET. RIH W/ JUNK BASKET RETRIEVED 13 BALL SEALERS. PUMPED PRE PAD @ 43 BPM @ 2547 #. STEPPED DOWN RATE TO 39 BPM @ 2385 #. STEPPED DOWN RATE TO 32 BPM @ 2211 #. STEPPED DOWN RATE TO 22 BPM @ 1928 #. ISIP 1550 #. 5 MIN 1265 #. 10 MIN 1068 #. 15 MIN 930 #. 20 MIN 810 #. 25 MIN 694 #. 30 MIN 639 #. FRAC'D THE DAKOTA W/ SLICKWATER @ 1g/mg FR, 50,000 # 20/40 SUPER LC SAND & 2376 BBLS FLUID. AVG RATE 50 BPM. AVG PRESSURE 2918 #. MAX PRESSURE 3133 #. MAX SAND CONS .80 # PER GAL. ISIP 1830 #. FRAC GRADIENT .64. SWI. (SSM)
3/28/2003 00:00	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 720 #. BLEED WELL DOWN TO PIT. KILLED WELL. ND FRAC VALVE. NUBOP. TESTED BOP TO 250 # & 5000 #. BOTH PIPE & BLIND RAMS. HELD OK. INSTALLED BLOOEY LINE & DRILL AIR COMPRESSORS. SWION.
3/31/2003 00:00	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 620 #. KILL WELL W/ 2% KCL WATER. RIH W/ 3 7/8" BIT ON 2 3/8" TBG. TAGGED SAND @ 5556'. 125' FILL.RU DRILL AIR. DRILLED CLEANED OUT FROM 5556' TO COMPOSITE PLUG @ 5650'. CIRCULATED HOLE W/ DRILL AIR. PUH TO 4800'. SWION.
4/1/2003 00:00	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 630 #. RIH W/ 2 3/8" TBG. TAGGED COMPOSITE PLUG @ 5650'. NO FILL. PUH TO 4800'. TESTED THE MV THROUGH 1/2" CHOKE AND UP 2 3/8" TBG @ 4800'. WELL STABILIZED @ 340 #. TESTED WELL 4 HR AFTER WELL STABILIZED. TBG PRESSURE 340 #. CSG PRESSURE 500 #. 2128 MCFPD, 0 BOPD, 4 BWPD. MV PERFS @ 4900' TO 5532'. TEST WITNESSED BY DAVE GREEN AND NOE PARRA. PUH TO 4800'. SWION.
4/2/2003 00:00	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 620 #. RIH W/ 3 7/8" BIT ON 2 3/8" TBG. TAGGED COMPOSITE PLUG@ 5650'. RU DRILL AIR. DRILLED OUT COMPOSITE PLUG @ 5650'. RIH W/ 2 3/8" TGB. TAGGED SAND @ 7602'. 116' OF FILL . CLEANED OUT FROM 7602' TO 7718' - PBTD. CIRCULATED HOLE W/ DRILL AIR. WELL MAKING 4 BBLS WATER PER HR AND 2 CUPS SAND PER HR. PUH TO 7400'. SWION.
4/3/2003 00:00	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 630 #. KILL WELL W/ 2 % KCL WATER. RIH W/ 3 7/8 BIT ON 2 3/8" TBG. TAGGED FILL @ 7690'. 28' FILL. RU DRILL AIR. CLEANED OUT FROM 7690' TO 7718 PBTD. CIRCULATED HOLE W/ DRILL AIR. PUH TO 7450'. SWION.
4/4/2003 00:00	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 680 #. RIH W/ 4 1/2" PKR ON 2 3/8" TBG. SET PKR @ 7416' TESTED THE DAKOTA THROUGH 1/2" CHOKE & UP 2 3/8" EOT @ 7416'. WELL STABILIZED @ 280 #. TESTED WELL 4 HRS AFTER WELL STABILIZED. TGB PRESSURE 280 #. CSG PRESSURE 650 #. 1848 MCFPD. 1 BOPD. 1 BWPD. PERFS @ 7502' TO 7680'. TEST WITNESSED BY SAM MCFADDEN & NOE PARRA. RELEASED PKR. POOH W/ PKR & TBG. SWION.
4/7/2003 00:00	HELD SAFETY MEETING. OPENED UP WELL. SICP 680 #. RIH W/ 2 3/8" EXPENDABIE CHECK & F NIPPLE ON 2 3/8" TBG. TAGGED @ 7718 PBTD. NO FILL. PUH TO 7505'. TESTED TBG TO 1000 #. HELD OK. LANDED 237 JTS OF 2 3/8" TBG W/ 1.75" F NIPPLE. F NIPPLE @ 7505'. EOT @7505'. RU SAND LINE. RIH W/ 1.901" DRIFT TO F NIPPLE. POOH W/ DRIFT. PUMPED OUT EXPENDABIE CHECK. NDBOP - NUWH. SWI. RDMO. FINAL REPORT.

END OF WELL SCHEMATIC

Well Name: SAN JUAN 28-7 191G
API # : 30-039-27060

Spud Date: 10-Jan-03
Spud Time: 08:30

TD Date: 17-Jan-03
Rig Release Date: 18-Jan-03

11" 3M x 11" 3M Speedhead W/TrashCap
9-5/8" 8 RD x 11" 3M Casing Head

Surface Casing Date set: 01/10/03 [X] New [ ] Used
Size 9 5/8 in
Set at 238 ft # Jnts: 5
Wt. 36 ppf Grade J-55
Hole Size 12 1/4 in
Wash Out 100 %
Csg Shoe 238 ft
Est. T.O.C. 0 ft
TD of surface 250 ft

Notified BLM @ 09:20 hrs on 1/10/03
Notified NMOCD @ 09:20 hrs on 1/10/03

Cement Date cmt'd: 1/10/2003
Lead : 90 Sks Type III+ 2% CaCl2 + 0.25 pps cello-flake + 3% gel @ 13.5 ppg.
Tail :
Displacement vol. & fluid.: 16 BBL FW
Pumping Done at: 18:00 HRS
Final Pressure : 50 PSI
Returns during job: YES
CMT Returns to surface: 10 BBLS
Floats Held: X Yes __ No
W.O.C. for 13.5 hrs (plug bump to drlg cmt)

Intermediate Casing Date set: 01/14/03 [X] New [ ] Used
Size 7 in
Set at 3512 ft # Jnts: 81
Wt. 20 ppf Grade J-55
Hole Size 8 3/4 in
Wash Out 150 %
Csg Shoe 3512 ft
Est. T.O.C. SURFACE
TD of intermediate 3525 ft

Notified BLM @ 22:00 hrs on 1/12/03
Notified NMOCD @ 22:00 hrs on 1/12/03

Cement Date cmt'd: 1/15/2003
Lead : 500 SX (208 BBL)PL FM+3 #/SK CSE, .3% KCL .25 LBS/SX CELLOFLK+.4% FL-25, 5 #/SK LCM-1 + 4 #/SK PHENOSEAL. (12 PPG, 2.41 YD)
Tail : 50 SX (12 BBL) TYPE III+1% CaCl2+ .25 LBS/SX CELLO FLAKE (14.5 PPG, 1.40 YD)
Displacement vol. & fluid.: 140 BBLS FW
Bumped Plug at: 03:30 HRS
Pressure Plug bumped: 1540
Returns during job: YES
CMT Returns to surface: 70 BBLS CMT
Floats Held: X Yes __ No
W.O.C. for 24.5 hrs (plug bump to drlg cmt)

Production Casing Date set: 01/17/03 [X] New [ ] Used
Size 4 1/2 in
Wt. 10.5 ppf Grade J-55 from 0 to 7720 ft
Hole Size 6 1/4 in # Jnts: 180
Wash Out: 60 %
Est. T.O.C. 1175 ft
Marker jnt @ 7157 ft

Notified BLM @ 14:20 hrs on 1/16/2003
Notified NMOCD @ 14:20 hrs on 1/16/2003
FC 7718 ft
Csg Shoe 7720 ft
TD 7,722 ft

Cement Date cmt'd: 1/8/2003
Lead : SEE COMMENTS
Tail : 25 Sks (8 BBLS) PLHS FM +3 #/SK CSE + 0.25 #/sk cello flake + 4 #/sk Pheno Seal + 0.2% CD-32+ 0.75% FL-52 + 87.1% FW @ 13.0 PPG (1.83 yd)
Displacement vol. & fluid.: 123 BBLS 2% KCl
Bumped Plug at: 18:15
Pressure Plug bumped: 1600
Returns during job: AIR HOLE
CMT Returns to surface: AIR HOLE
Floats Held: X Yes __ No
Double Bumped Plug.
Mud Wt. @ TD AIR/N2 ppg

COMMENTS:
Surface:
Intermediate:
Production: Scavenger = 25 sx PLHS FM + 3 #/sk CSE, .2% CD-32, .75% FL-52, 1 #/sk LCM-1, .25 #/sk cello-flake, .3% R-3
Lead 1= 50 sx PLHS FM + 3 #/sk CSE, .2% CD-32, .75% FL-52, 1 #/sk LCM-1, .25 #/sk cello-flake, .3% R-3 + 4 #/sk Pheno Seal.
Lead 2= 230 sx PLHS FM + 3 #/sk CSE, .2% CD-32, .75% FL-52, 1 #/sk LCM-1, .25 #/sk cello-flake, .3% R-3 + 2.5 #/sk Pheno Seal.

CENTRALIZERS:
Surface: ONE 10' ABOVE SHOE. ONE OVER COLLAR ON BOTTOM 3 JTS, EVERY 2ND JT TO SURFACE. Total: 5
Intermediate: ONE MIDDLE OF SHOE JT; EVERY 5TH JT TO SFC CSG. TWO CENTRALIZERS INSIDE SURFACE CSG. Total: 18
Production: Survey @ 7715' - 1° Total: N/A