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.
NMSF078498

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.a.marberry@conoco.com

8. Lease Name and Well No.
SAN JUAN 28-7 230F

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

3a. Phone No. (include area code)
Ph: 281.293.1005

9. API Well No.
30-039-26938-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
Sec 29 T28N R7W Mer NMP
At surface SESE 1205FSL 795FEL

At top prod interval reported below

At total depth

10. Field and Pool, or Exploratory
BASIN DAKOTA

11. Sec., T., R., M., or Block and Survey or Area Sec 29 T28N R7W Mer NMP

12. County or Parish
RIO ARRIBA

13. State
NM

14. Date Spudded
05/16/2002

15. Date T.D. Reached
05/22/2002

16. Date Completed
☐ D & A ☒ Ready to Prod.
07/26/2002

17. Elevations (DF, KB, RT, GL)*
6659 GL

18. Total Depth: MD 7722
TVD

19. Plug Back T.D.: MD 7700
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	298		180		0	
8.750	7.000 J-55	20.0	0	3538		702		2546	
6.250	~~4.5~~ 2.375 J-55	11.0	0	7703		333		2546	

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	7600							

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) DAKOTA	7472	7670	7472 TO 7670		60	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7472 TO 7670	FRAC W/SLICKWATER, 60,600# 20/40 SAND & 2734 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
07/29/2002	07/26/2002	24	→	0.0	230.0	3.0			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
OCT 02 2002
FARMINGTON FIELD OFFICE
BY

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #14253 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
**** REVISED ** 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.)*
VENTED

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	1060		OJO ALAMO	2392
NACIMIENTO	1060	2392		KIRTLAND	2473
OJO ALAMO	2392	2514		FRUITLAND	2903
				PICTURED CLIFFS	3216
				CHACRA	4167
				CLIFF HOUSE	4854
				MENEFEE	5002
				POINT LOOKOUT	5428
				GALLUP	6693
				GREENHORN	7376
				DAKOTA	7426

32. Additional remarks (include plugging procedure):
This well is a single Basin Dakota. 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 #14253 Verified by the BLM Well Information System.
For CONOCO INC, sent to the Farmington
Committed to AFMSS for processing by Adrienne Garcia on 10/02/2002 (03AXG0025SE)

Name *(please print)* DEBORAH MARBERRY Title SPECIALIST

Signature (Electronic Submission) Date 09/23/2002

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.

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

Daily Summary

API/UWI	County	State/Province	Surface Legal Location	N/S Dist. (ft)	N/S Ref.	E/W Dist. (ft)	E/W Ref.
300392693800	RIO ARRIBA	NEW MEXICO	NMPM-28N-7W-29-P	1205.0	S	795.0	E

Ground Elevation (ft)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)
6659.00	5/16/2002	5/22/2002	36° 37' 41.9988" N	107° 35' 23.7804" W

Start Date	Ops This Rpt
5/31/2002 00:00	HELD SAFETY MEETING. RU SCHLUMBERGER PRESSURED UP CSG TO 2000 #. RAN CBL LOG FROM 7690' TO 2350'. TOP OF CEMENT @ 2546'. RAN TDT LOG FROM 7690' TO 2200'. RAN GR/CCL LOG FROM 7690' TO SURFACE. PRESSURED TESTED 4 1/2" CSG TO 4300 #. HELD OK. RD SCHLUMBERGER.
6/5/2002 00:00	HELD SAFETY MEETING. RU BLUE JET. PERFORATED THE DAKOTA. RIH W/ 3 1/8" 90 DEGREE PP SELECT FIRE PERFORATING GUN. PERFORATED FROM 7472' - 7492' W/ 1 SPF, 7590' - 7606' W/ 1 SPF, 7653' - 7657' W/ 2 SPF, 7664' - 7670' W/ 2 SPF. A TOTAL OF 60 HOLES. SWION. RD BLUE JET.
6/8/2002 00:00	HELD SAFETY MEETING. RU B J SERVICES. FRAC'D THE DAKOTA. TESTED LINES TO 5000 #. SET POP OFF @ 3940 #. BROKE DOWN FORMATION @ 5 BPM @ 2045 #. DROPPED 35 BIO BALLS IN 1500 GALS 15% HCL ACID @ 1 BALL PER BBL & 2 BALLS PER BBL FOR THE REMAINING 37 BIO BALLS IN 2% KCL @ 19 BPM @ 2265 #. A TOTAL OF 72 BIO BALLS. GOOD BALL ACTION. BALLED OFF @ 3651 #. SHUT DOWN FOR 1 HR. WAITING ON BIO BALLS. PUMPED PRE PAD @ 33 BPM @ 3690 #. STEPPED DOWN RATE TO 26 BPM @ 2933 #. STEPPED DOWN RATE TO 22 BPM @ 2606 #. STEPPED DOWN RATE TO 13 BPM @ 2040 #. ISIP 1535 #. 5 MIN 1342 #. 10 MIN 1204 #. 15 MIN 1103 #. 20 MIN 1013 #. FRAC'D THE DAKOTA W/ SLICKWATER, 60,600 # 20/40 BRADY SAND & 2734 BBLS FLUID. AVG RATE 52 BPM. AVG PRESSURE 3248 #. MAX PRESSURE 3696 #. MAX SAND CONS 1 # PER GAL. ISIP 2220 #. FRAC GRADIENT .64. SCREENED OUT. FLUSHED W/ 114 BBLS. PUMPED ONLY 75% OF THE FRAC. SCREENED OUT ON 1 # SAND, DUE EQUIPMENT FAILURE. RD BJ SERVICES.
7/22/2002 00:00	road crew to location, held safety meeting, spot in unit and equipment, rig up unit and equipment, check psi on well - 350psi, bled off and kill well, nipple down frac valve, nipple up bop's, and test - test okay, rig up blooie lines, shut in, shut down.
7/23/2002 00:00	Held safety meeting, check well psi - 500lbs, try to blow down - would not, making sand, put on 1/4" choke for 4 hours - psi went to 1575, put on 1/2" choke to flow back rest of the day - pressure down to 800lbs by 5:00, secure well and shut in. shut down for night.
7/24/2002 00:00	Held safety meeting, check well psi - 2150psi, start bleding off on 1/2" choke, flow back all day, well making sand (cut out 2 elbows) and fluid, at 5:00 well psi at 700psi - (well flowing back at 4.6 MCFPD), secure well and shut in.
7/25/2002 00:00	Held safety meeting, check well psi - 2000lbs, bled off to 500lbs and kill well, trip in hole picking up tubing (rabbit tbg), trip in hole with mule shoe, seating nipple and 242 joints of 2 3/8's tbg, tag fill at 7660', clean out to PBTD at 7700', circulate clean with air compressors, pull 10 joints 2 3/8's tbg, shut in and shut down.
7/26/2002 00:00	Held safety meeting, check well psi - 1900lbs, beld off csg, go in hole 10 joints to check for fill - none, blow well around, pull 4 joints tbg to 7600', 4-HOUR TEST on 1/2" choke, TESTED out at CASING = 850psi, TUBING = 360psi times factor of 6.6 = 2.276 MCFGPD, well making 3-5 bbl of WATER per day, trace of OIL, no SAND. land tbg at 7600'KB, nipple down bop's, nipple up wellhead, let gas flow up tbg, rig unit and equipment down, shut down