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. 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.

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 241F

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.: 30-039-27006-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface: Sec 8 T28N R7W Mer NMP NWSE 1515FNL 1900FEL

10. Field and Pool, or Exploratory: BASIN DAKOTA

At top prod interval reported below

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

At total depth

12. County or Parish: RIO ARRIBA
13. State: NM

14. Date Spudded: 09/29/2002
15. Date T.D. Reached: 10/05/2002
16. Date Completed ☐ D & A ☒ Ready to Prod. 10/25/2002
17. Elevations (DF, KB, RT, GL)*: 6628 GL

18. Total Depth: MD 7816 TVD
19. Plug Back T.D.: MD 7813 TVD
20. Depth Bridge Plug Set: MD TVD

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

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

DEC 2002 RECEIVED OIL CONS. DIV. DIST. 3

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	234		135		0	
8.750	7.000 J-55	20.0	0	3398		525		0	
6.250	4.500 J-55	11.0	0	7816		490		2170	

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	7598							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	DAKOTA	7568	7758	7568 TO 7758	3.130	54	OPEN
B)							
C)							
D)							

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

Depth Interval	Amount and Type of Material
7568 TO 7758	FRAC W/SLICKWATER, 50,000# 20/40 SAND * 1864 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
11/13/2002	10/24/2002	24	→	0.5	1320.0	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	200 SI	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
			→					

ACCEPTED FOR RECORD
DEC 11 2002
FARMINGTON FIELD OFFICE
BY

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #16506 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	1109		OJO ALAMO	2405
NACIMIENTO	1109	2420		KIRTLAND	2507
OJO ALAMO	2420	2559		FRUITLAND	2935
				PICTURED CLIFFS	3298
				CHACRA	4258
				CLIFF HOUSE	4930
				MENEFEE	5104
				POINT LOOKOUT	5510
				GALLUP	6782
				GREENHORN	7465
				DAKOTA	7536

32. Additional remarks (include plugging procedure):
This well is a single Basin Dakota well. 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 #16506 Verified by the BLM Well Information System.
For CONOCO INC, sent to the Farmington
Committed to AFMSS for processing by Adrienne Garcia on 12/11/2002 (03AXG0381SE)

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

Signature (Electronic Submission) Date 12/05/2002

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 ****

SAN JUAN 28-7 UNIT 214F — 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.
300392690200	RIO ARRIBA	NEW MEXICO	NMPM-27N-7W-4-J	1400.0	S	1585.0	E

Ground Elevation (ft)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)
6668.00	5/7/2002	5/14/2002	36° 35' 58.8012" N	107° 34' 29.6004" W

Start Date	Ops This Rpt
5/18/2002 00:00	HELD SAFETY MEETING. RU SCHLUMBERGER PRESSURED UP CSG TO 1900 #. RAN CBL LOG FROM 7730' TO 2100'. TOP OF CEMENT @ 2350'. RAN TDT LOG FROM 7730' TO 2200'. RAN GR/CCL LOG FROM 7730' TO SURFACE. RD SCHLUMBERGER.
5/29/2002 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 7502' - 7520' W/ 1 SPF, 7614' - 7632' W/ 1 SPF, 7666' - 7674' W/ 1 SPF, 7696' - 7703' W/ 1 SPF. A TOTAL OF 55 HOLES. SWION. RD BLUE JET.
5/30/2002 00:00	HELD SAFETY MEETING. RU B J SERVICES. FRAC'D THE DAKOTA. TESTED LINES TO 5000 #. SET POP OFF @ 3850 #. BROKE DOWN FORMATION @ 5 BPM @ 1150 #. DROPPED 24 BALL SEALERS IN 1000 GALS OF 15% HCL ACID @ 1 BALL PER BBL AND 2 BALLS PER BBL FOR THE REMAINING 42 BALL SEALERS @ 18 BPM @ 2020 #. A TOTAL OF 66 BALL SEALERS. GOOD BALL ACTION. BALLED OFF @ 3750 #. RU BLUE JET. RIH W/ JUNK BASKET. RETRIEVED 62 BALL SEALERS. PUMPED PRE PAD @ 34 BPM @ 3650 #. STEPPED DOWN RATE TO 29 BPM @ 3100 #. STEPPED DOWN RATE TO 24 BPM @ 2500 #. STEPPED DOWN RATE TO 15 BPM @ 1840 #. ISIP 1234 #. 5 MIN 1079 #. 10 MIN 778 #. 15 MIN 603 #. 20 MIN 389 #. 25 MIN 237 #. 30 MIN 161 #. FRAC'D THE DAKOTA W/ SLICKWATER, 75,000 # 20/40 BRADY SAND & 1892 BBLS FLUID. AVG RATE 55 BPM. AVG PRESSURE 3081 #. MAX PRESSURE 3725 #. MAX SAND CONS 1 # PER GAL. ISIP 1721 #. FRAC GRADIENT .64. RD B J SERVICES.
5/31/2002 00:00	HELD SAFETY MEETING. RU BLUE JET. RIH W/ 4 1/2" FRAC PLUG. SET PLUG @ 6550'. TESTED PLUG TO 4300 #. HELD OK. PERFORATED THE POINT LOOK OUT & LOWER MENEFEE W/ 3 1/8" 90 DEGREE SELECT FIRE PERFORATING GUN. FROM 5458'-5464' W/ 1 SPF, 5476'-5490' W/ 1/2 SPF,5501'-5507' W/ 1/2 SPF,5520'-5526' W/1/2 SPF,5570'-5574' W/1/2 SPF,5590'-5596' W/ 1/2 SPF. A TOTAL OF 30 HOLES. RU B J SERVICES. 1ST STAGE. FRAC'D THE POINT LOOKOUT& LOWER MENEFEE. TESTED LINES TO 4800 #. SET POP-OFF @ 3850 #. BROKEDOWN WELL FORMATION @ 8 BPM @ 2950 #. DROPPED 18 BIO BALL SEALERS @ 1 BALL PER BBL & 2 BALLS PER BBL FOR REMAINING 18 BALL SEALERS @ 20 BPM @ 860 #. A TOTAL OF 36 BIO BALL SEALERS. GOOD BALL ACTION. BALLED OFF @ 3800 #. SHUT DOWN FOR 1 HR. EST RATE. FRAC'D THE POINT LOOKOUT & LOWER MENEFEE W/ 65 Q 25 # LINEAR FOAM, 80,000# 20/40 BRADY SAND, 642,600 SCF N2, 769 BBL FLUID. AVG RATE 50 BPM. AVG PSI 1970 #. MAX PSI 2913 #. MAX SAND CONS 2 # PER GAL. ISIP 0 #. FRAC GRADIENT .44. RU BLUE JET. RIH W/ 4 1/2" FRAC PLUG. SET PLUG @ 5330'. TESTED PLUG TO 4300 #. HELD OK. PERFORATED THE CLIFFHOUSE & UPPER MENEFEE. RIH W/ 3 1/8" 90 DEGREE SELECT FIRE PERFORATING GUN. PERFORATED FROM 4896'-4906' W/1/2 SWPF,4934'-4942' W/1/2 SPF,4948'-4956' W/ 1/2 SPF,4972'-4980' W/ 1/2 SPF,5080'-5084' W/ 1/2 SPF,5118'-5122' W/ 1/2 SPF,5166'-5174' W/ 1/2 SPF,5210'-5218' W/ 1/2 SPF. A TOTAL OF 41 HOLES. 2ND STAGE. FRAC'D THE CLIFFHOUSE & UPPER MENEFEE. TESTED LINES TO 5000 #. SET POP-OFF # 3825 #. BROKE DOWN FORMATION @ 7 BPM @ 2620 #. DROPPED 25 BIO BALLS @ 1 BALL PER BBL AND 2 BALLS PER BBL FOR THE REMAINING 25 BIO BALLS. 19 BPM @ 1730 #. A TOTAL OF 41 BIO BALLS. GOOD BALL ACTION. BALLED OFF @ 3750 #. SHUT DOWN FOR 1 HR. FRAC'D THE CLIFFHOUSE & UPPER MENEFEE W/ 65 Q 25 # LINEAR FOAM, 100,000 # 20/40 BRADY SAND, 1,105,300 SCF N2, 937 BBLS FLUID. AVG RATE 63 BPM. AVG PSI 3253 #. MAX PSI 3416 #. MAX SAND CONS 2 # PER GAL. ISIP 1981 #. FRAC GRADIENT .63. SWION. RD BJ.
5/31/2002 00:00	24 Hour Flowback Test.
6/1/2002 00:00	24 Hour Flowback Test.
6/2/2002 00:00	24 Hour Flowback Test.
6/3/2002 00:00	24 Hour Flowback Test.
6/4/2002 00:00	24 Hour Flowback Test.
6/21/2002 00:00	Held safety mtg. SICP= 1350#. Spot unit and equipment. RU unit and equipment. Wait for dawn to deliver 2" blow line. Showed up late to location. Secure well and SDFN.
6/24/2002 00:00	Held safety mtg. SICP=1350#. RU blow down line. Open up to bleed down . Blow down for 2 hrs and pressure down to 1300#. Notified engineering. Open up on 2 lines w/ 1/2" choke. Bleed down for 6 hrs and pressure down to 950#. Kill csg. and ND frac valves, NU Bop. Bull plug tbg. hanger and install.RU blooie lines. Secure well and SDFN.
6/25/2002 00:00	Held safety mtg. SICP=1000# RU Wood group and test BOP. 250# test was OK.. 5000# test failed. Bleed down, inspect pipe rams. Rubbers are bad. Hot shot new ram blocks. Install and re-test. Pressure test failed. Hot shot new BOP to location. RU and test. Test for low and high was good. RU blooie "T". Kill csg. and pull tbg. hanger. Secure well and SDFN.
6/26/2002 00:00	Held safety mtg. SICP=1200# Bleed well down.PU mill,bit sub and TIH picking up w/ 166 jts 2 3/8" tbg.Tag fill @ 5270' . (60' fill). C/O to 5330'. Well making a-lot of sand. Washed out Blooie "T". RD and transport to town and get repaired. PUH above perfs. Secure well and SDFN.
6/27/2002 00:00	Held safety mtg. SICP=1220# Bleed csg. down. TIH and tag fill @ 5295'. (35' fill). C/O to 5330' . PU swivel and drill plug@ 5330'. Circulate clean. LD swivel and TIH w/ 36 jts and tag fill @ 6421'.(130' of fill) C/o to 6481'. circulate clean. PUH 50 jts. Secure well and SDFN.
6/28/2002 00:00	Held safety mtg. SICP= 1160#. Bleed well down. TIH w/ 50 jts and Tag fill @ 6461'. (20' fill overnight.) C/O to 6550'.Circulate clean. Pull above perfs w/ 52 jts to 4883' and test MV perfs. TEST IS AS FOLLOWS: FTP= 450#, SICP=790#, PRODUCTION = 2970 MCFPD. PRODUCTION IS SAME AS FLOWBACK W/ TETRA. TEST IS W/DAKOTA PRODUCING ALSO.THIS TEST NOT FOR ALLOCATION PURPOSES. WE WILL SET A PKR AND TEST DAKOTA INDIVIDUALY. Secure well and SDFN.

Daily Summary

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6668.00	5/7/2002	5/14/2002	36° 35' 58.8012" N	107° 34' 29.6004" W

Start Date	Ops This Rpt
7/1/2002 00:00	Held safety mtg. SICP=1250#. Bleed well down. TIH w/ 52 jts .Pick up swivel and drill out plug over dakota @ 6550'. Circulate for 1 hr. LD swivel. TIH w/ 32 jts and tag fill @ 7546'. (190' fill in dakota) C/O to 7646'. Circulate clean. PUH above perfs. Secure well and SDFN.
7/2/2002 00:00	Held safety mtg. SICP=1100# Bleed well down. TIH and tag fill @ 7626'. PU swivel C/O to 7736'. Let circulate rest of day. PUH above perfs. Secure well and SDFN.
7/3/2002 00:00	Held safety mtg. SICP= 1050#. Bleed well down. TIH and tag fill @ 7709'. (27' fill over night) C/O to 7736'. Circulate clean. Made 3 4 bbl soap sweeps to bring sand to surface. Well making light sand and 3-4 bbl water per hour. Have not gotten load water back @ this point. PUH 90 jts. Secure well and SDFN.
7/8/2002 00:00	Held safety mtg. SICP= 1200#. Bleed well down. TIH w/ 90 jts and did not tag fill. TOOH w/ 244 jts tgb. and LD mill. PU 4.5" hallibrton RTTS pkr tbg. test valve, and seating nipple. TIH and set PKR @ 7450'. Open tbg, up and would not flow. RU swad tools. RIOH to 6500' . POOH and line was dry. RIH to seating nipple. POOH and line was dry. TBG> test valve is closed. Bleed csg down to 900# and pump 20 bbl kcl. Open blinds and open tbg. test valve. Tbg. psi goes to 150#. Open tbg. up and test DAKOTA PERFS AS FOLLOWS: PERFS TESTED (DK)- 7502'-7703' TBG. SET @ 7450' W/ PKR. TESTED ON 1/2" CHOKE FTP=240# SICP= 300# DK PRODUCTION=1584 MCFPD 1 BWPD 0 BOPD 0 BCPD O SAND TEST WITNESSED BY N. PARRA W/ KEY ENERGY SERVICES Secure well and SDFN.
7/9/2002 00:00	Held safety mtg. SICP=980#, SITP=700#, Bleed well down. Release RTTS pkr. and TOOH w/ 234 jts 2 3/8" tbg. LD packer. PU MS and TIH w/ 234 jts tbg. Prep for production log. Secure well and SDFN.
7/10/2002 00:00	Held safety mtg.SICP=1190#. Bleed well down TIH and tag fill @ 7700' (36' fill) Lower set of Dakota perfs covered. C/o to PBTD. circulate clean. TOOH w/ 96 jts and set tbg @ 4680'. RU Schlumberger wireline. PU PL tools and RIH and run PL w/ GR ,TEMP.FD & PSI over DK and MV formations. Logs will be set to houston engineering for reveiw.POOH w/ wire line and RD. Secure well and SDFN.
7/11/2002 00:00	Held safety mtg. SICP=1200#. Bleed well down. TOOH w/ 148 jts 2 3/8" tbg. PU MS,SN and TIH w/ 240 jts 2 3/8" tbg and land @ 7603' w/kb. RD BOP, RU master valve. Get flowing up tbg. SI. Secure well. RD unit and equipment. Turn over to operator and EPNG for production. LANDED @ 7603' W/KB USING 240 JTS 2 3/8" TBG. RETURNING 6 JTS 2 3/8" TBG TO CONOCO STOCK AS " A " COND ON MT# 91755 R