

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resrv.,
Other DHC

2. Name of Operator
CONOCO, INC.

3. Address
P.O. BOX 2197 DU 3084HOUSTONTX77252

3.a Phone No. (Include area code)
(281)293-1005

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

At Surface 1455' FSL & 2600' FEL

At top prod. interval reported below

At total depth 7730

K-30-32N-10W

14. Date Spudded
12/01/2001

15. Date T.D. Reached
12/26/2001

16. Date Completed
☐ D & A ☒ Ready to Prod.
2-25-02

18. Total Depth: MD 7730
TVD

19. Plug Back T.D.: MD 7634
TVD

20. Depth Bridge Plug Set: MD
TVD

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

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

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.25	J-55	36	0	503		300		0	
7.875	J-55	4.5	0	7634		2725		500	

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	7401							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BASIN DAKOTAE	7350	7616	7350 - 7616	3.125	51	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7350 - 7616	FRAC W/2000 BBLs SLICKWATER, 45,000# 20/40 SAND

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
03/03/02	02/21/02	24	→	1	1089	73			FLOWING
Choice Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
1/2	340	680	→						

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
			→						MAY 02 2002
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

FARMINGTON FIELD OFFICE
BYRECEIVED
2002 APR 30 AM 9:
070 FARMINGTON,

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.)

30. Summary of Porous Zones (Include Aquifers):

Show all important zones or 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	1403	1566		OJO ALAMO	1403
				KIRTLAND	1567
				FRUITLAND	2456
				PICTURED CLIFFS	2888
				LEWIS	3090
				CHACRA	4022
				MENEFEE	4801
				POINT LOOKOUT	5289
				GALLUP	6562
				TWO WELLS	7347
				MORRISON	7617

32. Additional remarks (include plugging procedure):

This well is a downhole commingled well in the Blanco Mesaverde and Basin Dakota. Daily's are attached.

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geological 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)*

Name (please print) DEBORAH MARBERRY Title REGULATORY ANALYST

Signature  Date 04/18/2002

Title 18 U.S.C. Section 101 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 and false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Daily Summary

API	County	State/Province	Surface Legal Location	NS Dist. (ft)	NS Flag	EW Dist. (ft)	EW Flag
300453067300	SAN JUAN	NEW MEXICO	NMPM-32N-10W-30-K	1455.0	S	2600.0	W
Ground Elev (ft)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)			
6079.00	12/1/2001	12/31/2001	36° 57' 10.5984" N	107° 55' 24.0312" W			

Start	Ops This Rpt
1/28/2002	HELD SAFETY MEETING. MIRU. OPENED UP WELL. CSG PRESSURE 0 #. NDWH - NUBOP. SWION.
1/29/2002	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 0 #. RIH W/ 3 7/8" BIT ON 2 3/8" TBG. TAGGED DVT @ 4121'. DRILLED OUT DVT @ 4121'. RIH TO 5018'. TAGGED DVT. SWION.
1/30/2002	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 0 #. RIH W/ 3 7/8" BIT ON 2 3/8" TBG. TAGGED DVT @ 5018'. DRILLED OUT DVT. RIH TO 7634' PBTD. CIRCULATED WELL CLEAN W/ 2 % KCL WATER. SWION.
1/31/2002	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 0 #. POOH W/ 3 7/8 BIT & TBG. LAID TBG DOWN ON FLOAT. SWI. RDMO.
2/1/2002	HELD SAFETY MEETING. RU SCHLUMBERGER. HELD 2000 # ON 4 1/2" CSG. RAN CBL LOG FROM 7634' TO 250'. TOP OF CEMENT @ . RAN GR/CCL LOG FROM 7634 TO 250'. RD SCHLUMBERGER. TESTED 4 1/2" CSG TO 4300 #. HELD OK.
2/5/2002	HELD SAFETY MEETING. RU BLUE JET. PERFORATED THE DAKOTA. RIH W/ 3 1/8" 90 DEGREE PP SELECT FIRE PERFORATING GUN. PERFORATED FROM 7350' - 7362' W/ 1/2 SPF, 7369' - 7383' W/ 1/2 SPF, 7426' - 7446' W/ 1/2 SPF, 7470' - 7476' W/ 1/2 SPF, 7493' - 7503' W/ 1/2 SPF, 7554' - 7566' W/ 1/2 SPF, 7600' - 7604' W/ 1/2 SPF, 7608' - 7616' W/ 1/2 SPF. A TOTAL OF 51 HOLES. SWI. RD BLUE JET.
2/6/2002	HELD SAFETY MEETING. RU BJ SERVICES. FRAC'D THE DAKOTA. TESTED LINES TO 4800 #. SET POP OFF @ 3850 #. BROKE DOWN WELL @ 10 BPM @ 2190 #. BROUGHT RATE UP TO 19 BPM. PUMPED 1000 GAL OF 15% HCL ACID. DROPPED 24 BALL SEALERS @ 1 BALL PER BBL & THEN 2 BALLS PER BBL FOR REMAINING BALL SEALERS. A TOTAL OF 62 BALL SEALERS. GOOD BALL ACTION. BALLED OFF @ 3800 #. RU BLUE JET. RIH W/ JUNK BASKET & RETRIEVED 62 BALL SEALERS. RD BLUE JET. PUMPED 200 BBLS PREPAD @ 33 BPM @ 3725 #. STEPPED DOWN TO 28 BPM @ 3225 #. STEPPED DOWN RATE TO 21 BPM @ 2307 #. STEPPED DOWN RATE TO 12 BPM @ 1595 #. ISIP 1337 # - 5 MIN 687 # - 10 MIN 496 # - 15 MIN 376 # - 20 MIN 288 # - 25 MIN 224 # - 30 MIN 187 #. FRAC'D THE DAKOTA W/ SLICK WATER. PUMPED 2000 BBLS OF FLUID, 45,000 # 20/40 BRADY SAND. SCREENED OUT. PUMPED ONLY 33 % OF THE FRAC. SCREENED OUT ON 1 # SAND, DUE TO PRESSURE LIMITATIONS. AVG RATE 54 BPM. AVG PRESSURE 3710 #. MAX PRESSURE 3800 #. MAX SAND CONS 1 # PER GAL. ISIP 1630 #. FRAC GRADIENT .61. SWI. RD B J SERVICES.
2/7/2002	HELD SAFETY MEETING. RU BLUE JET. RIH W/ 4 1/2" COMPOSITE PLUG. SET @ 5350'. TESTED PLUG TO 4300 #. HELD OK. PERFORATED THE POINT LOOKOUT. RIH W/ 3 1/8" 120 DEGREE PP SELECT FIRE PERFORATING GUN. PERFORATED FROM 5190' - 5194' W/ 2 SPF, 5202' - 5204' W/ 2 SPF, 5208' - 5211' W/ 1 SPF, 5222' - 5250' W/ 1/2 SPF, 5280' - 5283' W/ 1 SPF, 5292' - 5295' W/ 1 SPF. A TOTAL OF 39 HOLES. SWI. RD BLUE JET.
2/8/2002	HELD SAFETY MEETING. RU B J SERVICES. FRAC'D THE POINT LOOKOUT. TESTED LINES TO 4800 #. SET POP-OFF @ 3800 #. BROKE DOWN WELL FORMATION @ 20 BPM @ 1050 #. DROPPED 24 BALL SEALERS IN 1000 GALS OF 15% HCL ACID @ 1 BALL PER BBL & 2 BALLS PER BBL FOR REMAINING 22 BALL SEALERS @ 24 BPM @ 750 #. A TOTAL OF 46 BALL SEALERS. GOOD BALL ACTION. BALLED OFF @ 3700 #. RU BLUE JET. RIH W/ JUNK BASKET. RETRIEVED 46 BALL SEALERS. PUMPED PRE-PAD @ 40 BPM @ 1915 #. STEPPED DOWN RATE TO 32 BPM @ 1112 #. STEPPED DOWN RATE TO 28 BPM @ 744 #. STEPPED DOWN RATE TO 10 BPM @ 0 #. ISIP 0 #. FRAC'D THE POINT LOOKOUT W/ 65 Q 25 # LINEAR FOAM, 100,500 # 20/40 BRADY SAND, 334,500 SCF N2, 1028 BBLS OF FLUID. AVG RATE 45 BPM. AVG PSI 1553 #. MAX PSI 1711 #. MAX SAND CONS 3 # PER GAL. ISIP 0 #. FRAC GRADIENT .36. RU BLUE JET. RIH W/ 4 1/2" COMPOSITE PLUG. SET @ 3900'. TESTED PLUG TO 4000 #. SWI. RD BJ SERVICES & BLUE JET.
2/13/2002	HELD SAFETY MEETING. MIRU. OPENED UP WELL. CSG PRESSURE 0 #. ND FRAC VALVE. NUBOP. TESTED BOP TO 250 # & 5000 #. BOTH PIPE & BLIND RAMS. HELD OK. RU BLUE JET. RIH W/ 3 1/8" PERFORATING GUN. SHOT 4 SQUEEZE HOLES @ 1910'. SWION.
2/14/2002	HELD SAFETY MEETING. OPENED UP WELL. RIH W/ 4 1/2" PKR ON 2 3/8 TBG. SET PKR @ 1620'. RU BJ SERVICES. SQUEEZED WELL. TESTED LINES TO 3500 #. HELD OK. EST CIRCULATION OUT BRADEN HEAD @ 2 BPM @ 228 # W/ 40 BBLS KCL. SWITCHED OVER TO FRESH WATER PUMPED 5 BBLS DYE. SWITCHED OVER TO CEMENT PUMPED 400 SACKS PREMIUM LITE HIGH STRENGTH CEMENT. 140 BBLS OF 12.5 PPG SLURRY. DISPLACED W/ 10 BBLS. COULD NOT CIRCULATE CEMENT OUT BRADENHEAD. SWI W/ 381 #.
2/15/2002	HELD SAFETY MEETING. OPENED UP WELL. POOH W/ 4 1/2" PKR & 2 3/8 TBG. RU BLUE JET. RUN CBL LOG FROM 1850' TO 400'. TOP OF CEMENT @ 630'. RD BLUE JET. RIH W/ 3 7/8" BIT ON 2 3/8" TBG. TAGGED TOC @ 1860'. DRILLED OUT CEMENT FROM 1860' TO 1920'. RIH. TAGGED PLUG @ 3900'. CIRCULATED WELL CLEAN. TESTED 4 1/2" CSG TO 1000 #. HELD OK. POOH W/ 3 7/8" BIT & TBG. SWION.
2/16/2002	HELD SAFETY MEETING. INSTALLED BLOOEY LINE & DRILL AIR COMPRESSORS.
2/18/2002	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 0 #. RIH W/ 3 7/8" MILL ON 2 3/8" TBG. TAGGED COMPOSITE PLUG @ 3900'. RU DRILL AIR. DRILLED OUT COMPOSITE PLUG @ 3900'. RIH. TAGGED SAND @ 5270'. 80' OF FILL. RU DRILL AIR. CLEANED OUT FROM 5270' TO 5350'. CIRCULATED WELL W/ DRILL AIR. WELL MAKING 42BBL OF WATER PER HR & 1 CUP OF SAND PER HR. PUH TO 5100'. SWION.
2/19/2002	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 400 #. RIH W/ 3 7/8" MILL ON 2 3/8" TBG. TAGGED PLUG @ 5345'. NO FILL. PUH TO 5270'. TESTED THE POINT LOOKOUT THROUGH 1/2" CHOKE & UP 2 3/8" TBG @ 5270'. WELL STABILIZED @ 175 #. TESTED WELL FOR 4 HRS AFTER WELL STABILIZED. TBG PRESSURE 175 #. CSG PRESSURE 320 #. 1155 MCFPD. 1 BOPD. 2 BWPD. POINT LOOKOUT PERFS @ 5190' TO 5295'. TESTED WITNESSED BY SAM MCFADDEN & NOE PARRA. SWION.

Daily Summary

API 300453067300	County SAN JUAN	State/Province NEW MEXICO	Surface Legal Location NMPM-32N-10W-30-K	NS Dist. (ft) 1455.0	NS Flag S	EW Dist. (ft) 2600.0	EW Flag W
Ground Elev (ft) 6079.00	Spud Date 12/1/2001	Rig Release Date 12/31/2001	Latitude (DMS) 36° 57' 10.5984" N	Longitude (DMS) 107° 55' 24.0312" W			

Start	Ops This Rpt
2/20/2002	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 1000 #. RIH W/ 3 7/8" MILL ON 2 3/8" TBG. TAGGED COMPOSITE PLUG @ 5350'. RU DRILL AIR. DRILLED OUT COMPOSITE PLUG @ 5350'. RIH. TAGGED SAND @ 7385'. 250' OF FILL. RU DRILL AIR. CLEANED OUT FROM 7385' TO 7389'. ATTEMPTED TO CLEAN OUT. COULD NOT DOWN PAST 7389'. WORKED 3 7/8" MILL. SET WEIGHT DOWN ON MILL & TBG TORQUED UP. WORKED MILL & TBG FOR 5 HRS. COULD NOT GO DOWN PAST 7389'. ALL INDICATIONS SHOW 4 1/2" CSG COLLAPSED @ 7389' + 10 KB = 7389'. POOH W/ TBG. SWION.
2/21/2002	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 900 #. POOH W/ 3 7/8" MILL & 2 3/8" TBG. LAID DOWN MILL. RIH W/ 2 3/8" TBG & MULE SHOE. TAGGED @ 7440'. RU DRILL AIR & CIRCULATED HOLE. SET MULE SHOE DOWN ON TOP OF COLLAPSED CSG W/ 4000 # OF TBG WEIGHT. PICKED UP ON TBG. HAD TO PULL 6000 # OVER TBG WEIGHT TO PULL OUT OF COLLAPSED CSG. PULLED UP TO 7399'. CIRCULATED HOLE W/ DRILL AIR FOR 3 HRS. TESTED THE DAKOTA & POINT LOOKOUT THROUGH 1/2" CHOKE AND UP 2 3/8" TBG @ 7401'. WELL STABILIZED @ 340 #. TESTED WELL 4 HRS AFTER WELL STABILIZED. TBG PRESSURE 340 #. CSG PRESSURE 680 #. 2244 MCFPD. 1 BOPD. 75 BWPD. DAKOTA PERFS @ 7350' TO 7616'. POINT LOOKOUT PERFS @ 5190' TO 5295'. DAKOTA - 1089 MCFPD. 1 BOPD. 73 BWPD. POINT LOOKOUT - 1155 MCFPD. 1 BOPD. 2 BWPD. TEST WITNESSED BY SAM MCFADDEN & NOE PARRA. SWION.
2/22/2002	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 900 #. POOH W/ 2 3/8" TBG. RU SAND LINE. RIH W/ 3 7/8" IMPRESSION BLOCK COULD NOT GET PASSED THE DVT @ 5018". POOH W/ IMPRESSION BLOCK. RIH W/ 3 3/8" IMPRESSION BLOCK AND TAGGED UP @ 7440'. POOH W/ IMPRESSION BLOCK. ALL INDICATION SHOWS CSG IS COLLAPSED @ 7440' ON IMPRESSION BLOCK. SWION.
2/25/2002	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 850 #. RIH W/ 234 JTS OF 2 3/8" TBG W/ SEAT NIPPLE & MULE SHOE. LANDED @ 7401'. RU SAND LINE. RIH W/ 1.901 DRIFT TO SEAT NIPPLE. POOH W/ DRIFT. NDBOP - NUWH. RDMO FINAL REPORT.