

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.
NMSF078972

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: YOLANDA PEREZ
E-Mail: yolanda.perez@conoco.com

8. Lease Name and Well No.
SAN JUAN 28-7 UNIT 181F

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

3a. Phone No. (include area code)
Ph: 281.293.1613

9. API Well No.
30-039-26698-00-C2

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

At surface NESW 2200FSL 1400FWL

At top prod interval reported below

At total depth

10. Field and Pool, or Exploratory
BLANCO

11. Sec., T., R., M., or Block and Survey
or Area Sec 3 T27N R7W Mer NMP

12. County or Parish
RIO ARRIBA

13. State
NM

14. Date Spudded
06/01/2001

15. Date T.D. Reached
06/09/2001

16. Date Completed
☐ D & A ☒ Ready to Prod.
06/21/2002

17. Elevations (DF, KB, RT, GL)*
6786 GL

18. Total Depth: MD
TVD 7840

19. Plug Back T.D.: MD
TVD 7839

20. Depth Bridge Plug Set: MD
TVD

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

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625	36.0	0	290		139		0	
8.750	7.000	20.0	0	3840		608		0	
6.250	4.500	11.0	0	7840		385		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	7725							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	5024	5700	5024 TO 5700			
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5024 TO 5304	FRAC'D W/ 75,700# OF BRADY SAND; 8472 SCF OF N2; &
5462 TO 5700	FRAC'D W/ 75,000# OF BRADY SAND; 6350 SCF OF N2; &

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
06/24/2002	06/18/2002	24	→	0.0	1056.0	10.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
1/2"	SI 160	310.0	→					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	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

ACCEPTED FOR RECORD

JUL 30 2002

FARMINGTON FIELD OFFICE
BY

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

ELECTRONIC SUBMISSION #12483 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.)
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	1172		OJO ALAMO	2568
NACIMIENTO	1172	2464		KIRTLAND	2648
OJO ALAMO	2464	2625		FRUITLAND	3104
				PICTURED CLIFFS	3352
				MESAVERDE	3752
				CHACRA	4308
				CLIFF HOUSE	5022
				MENEFEE	5153
				POINT LOOKOUT	5580
				GALLUP	6808
				GREENHORN	7506
				DAKOTA	7571

32. Additional remarks (include plugging procedure):

This well is now DHC'd in the MV/DK as per the attached daily summary report.

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 #12483 Verified by the BLM Well Information System.

For CONOCO INC, sent to the Farmington

Committed to AFMSS for processing by Adrienne Garcia on 07/30/2002 (02AXG0435SE)

Name (please print) YOLANDA PEREZ

Title COORDINATOR

Signature (Electronic Submission)

Date 07/02/2002

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

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

Daily Summary

API/UWI 300392669800	County RIO ARRIBA	State/Province NEW MEXICO	Surface Legal Location NMPM-27N-7W-3-K	N/S Dist. (ft) 2200.0	N/S Ref. S	E/W Dist. (ft) 1400.0	E/W Ref. W
Ground Elevation (ft) 6786.00	Spud Date 6/1/2001	Rig Release Date 6/9/2001	Latitude (DMS) 36° 36' 7.1496" N	Longitude (DMS) 107° 33' 52.5168" W			

Start Date	Ops This Rpt
6/5/2002 00:00	Held safety meeting, drove rig to location, spot in and rig up, spot in equipment in, put plastic in/under floor, ditch, rig up pump and pit, spot in gas compressors, check well - 180lbs on casing and tubing, close in well.
6/6/2002 00:00	travel to location, Held safety meeting, check well for psi's - tubing and casing both at 150lbs, blow well down, lookout/tagout, kill tubing, take off well head, nipple up bop's, set 2-way valve, rig up quadco to test bop's, test both pipe & blind rams - 200lbs to 5000lbs - good test, rig down quadco, pull two way valve, work donut loose, pick up 4 joints and tag bottom, come out of hole strapping tubing, 245 joints - 7713 feet + KB, rig up 5000lb frac valve, rig up blue jet, held safety meeting, set cibp at 5800' fill well with 2% kcl water and test to 4300psi - okay, perfed in 4 1/2" casing the lower menefee/ point lookout as recommended at 5462'-5466', 5590'-5620', 5634'-5640' 5654'-5660', 5694'-5700', .5 shots per foot, 33 holes, 0.34"dia, rig down blue jet, fluid level was 950' after perforating, close in well and shut down.
6/7/2002 00:00	Held safety meeting with all personel, rig up stinger and BJ services, held safety meeting broke down with 2% kcl, fraced the lower menefee/pointlookout with 1000 gals 15% acid followed with 25# linear gelled kcl water - 65Q foam frac, 55 bpm, 2350psi was avg psi, displaced with 2% kcl, isip=0, total 20/40 sand pumped=75,000lbs, total N2 scf=6350, total fluid to recover=1016 bbls, rig down stinger and rig up blue jet, set cibp at 5350', test to 4300psi - good test, perf the upper menefee/ cliff house at 5024'-5028', 5070'-5086', 5100'-5104, 5120'-5134', 5144'-5150', 5248'-5250', 5300'-5304', .5 shots per foot, total=34 holes, .34"dia, rig down blue jet, rig up stinger and bj, fraced the upper menefee/ cliff house with 1000 gals 15% hcl followed by 25# linear gelled 2%kcl water - 65Q foam, 55 bpm, total fluid to recover=1013 bbls, total N2 scf used=8472, total 20/40 sand pumped=75,700lbs, isip=962psi, both foam frac jobs complete reports to be sent by BJ to CONOCO houston, held post job safety meeting with all on location, rig down stinger and bj, rig up flow back line with 1/8" choke, 1.5 hours after the frac well psi was 380 psi, open well to choke to let flow back over weekend.
6/8/2002 00:00	Drywatch
6/9/2002 00:00	Drywatch
6/10/2002 00:00	Well still flowing thru 1/4" choke nipple. Well still flowing @ 90 psi thru 1/4" choke nipple. Continue to flow well thru the day. Rigged up compressors and blowie line. SHUT DOWN
6/11/2002 00:00	Check well. Still flowing thru 1/4" choke nipple @ 70 psi. rig up drill gas compressors and complete start up. RIH with mill and 2 3/8" tubing. Tagged sand fill @ 5200'. Started gas compressors and unloaded well. Cleaned sand fill to 5350'. Pumped soap sweeps to allow well to clean up. Pulled up to 4977'. SHUT DOWN
6/12/2002 00:00	Check well pressure. Csg - 360 psi. Tbg - 350 psi. Blow well down. RIH and tagged sand fill @ 5335'. Started gas compressors and cleaned sand fill to plug @ 5350'. Pumped soap sweeps and flowed well to allow well to clean up. Pulled up to 4977'. SHUT DOWN
6/13/2002 00:00	Check well pressures. Csg - 350 psi. Tbg - 350 psi. Flow well up the tubing thru 1/2" Choke nipple. Cliffhouse/U Menefee tested @ 40 psi tubing, and 180 psi Casing. 2 3/8" tubing @ 5059'. MCFPD = 264. Note: This test for info only. Do not use this test for C - 104. SHUT DOWN
6/14/2002 00:00	Check well pressure. Tbg - 350 psi. Csg - 350 psi. Blow well down. RIH and tagged sand fill @ 5298'. Started gas compressors and cleaned sand fill to plug @ 5300'. Drilled up plug @ 5300'. Well unloading heavy fluid and sand. Pumped soap sweeps to allow well to clean up. Pulled up above the perf's. SHUT DOWN
6/17/2002 00:00	Check well pressures. Csg - 510 psi. Tbg - 510 psi. Blow well down. RIH and tagged sand fill @ 5690'. Rigged up power swivel and started drill gas compressors. Cleaned sand fill from 5690' to 5800'. Flowed and pumped soap sweeps to allow well to clean up. Well still making fluid and water. Pulled up above the perf's @ 4977'. SHUT DOWN
6/18/2002 00:00	Check well pressure. Csg - 460 psi. Tbg - 500 psi. Blow well down. RIH and tagged sand fill @ 5790' for 10' of fill. Start drill gas compressors and clean sand fill to plug @ 5800'. Pull 2 3/8" tubing up to 5310' and start flowing well up thru 1/2" choke nipple. Test well thru 1/2" choke nipple. Tbg - 160 psi. Csg - 310 psi. MCFPD = 1056. OIL - 0 BBLs. WATER = 10 BBLs. Test witnessed by Victor Barrios with Key Energy. This is the test for the MV. SHUT DOWN
6/19/2002 00:00	Check well pressures. Tbg - 500 psi. Csg - 460 psi. Blow well down. RIH and tagged sand 10' above plug. Start 2 drill gas compressors and clean sand to Hallib Composite Plug @ 5800'. Drill up plug @ 5800'. Continue to RIH and tagged sand fill @ 7827'. Started drill gas compressors and cleaned sand fill to PBTD @ 7839'. Pumped soap sweeps to allow well to clean up. Pulled tubing up to 3809'. SHUT DOWN
6/20/2002 00:00	Check well pressures. Csg - 480 psi. Tbg - 500 psi. Blow well down. POOH with 2 3/8" tubing with Metal Muncher Mill. RIH with Mule Shoe Collar, SN and 249 jts of 2 3/8" tubing. Tagged sand fill @ 7829' for 10' of fill. Started 2 drill gas compressors and cleaned sand fill to PBTD @ 7839'. Pumped soap sweeps to allow well to clean up. Pulled up to 7713'. Rigged up flowline and flowed well thru 1/2" choke nipple. Tbg - 130 psi. Csg - 420 psi. SHUT DOWN

Daily Summary

API/UWI	County	State/Province	Surface Legal Location	N/S Dist. (ft)	N/S Ref.	E/W Dist. (ft)	E/W Ref.
300392669800	RIO ARRIBA	NEW MEXICO	NMPM-27N-7W-3-K	2200.0	S	1400.0	W
Ground Elevation (ft)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)			
6786.00	6/1/2001	6/9/2001	36° 36' 7.1496" N	107° 33' 52.5168" W			

Start Date	Ops This Rpt
6/21/2002 00:00	Check well pressures. Csg - 480 psi. Tbg - 500 psi. Blow well down. RIH to tag for fill. Tagged sand fill @ 7834'. Started 2 drill gas compressors and cleaned sand fill to PBD @ 7839'. Pulled up and landed 2 3/8" tubing @ 7725' with KB added in. Total tubing 245 jts. NDBOP and NUWH. Unload well. Rigged down Blowie line and drill gas compressors. Rigged down all equipment, and moved off location. FINAL REPORT

6/24/2002 00:00