

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.
NMSF 078266

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.
WOOD WN FEDERAL COM 1M

3. Address P.O. BOX 2197 DU 3066
HOUSTON, TX 77252

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

9. API Well No.
30-045-30900

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

At surface NENW 835FNL 1805FWL

At top prod interval reported below

At total depth

10. Field and Pool, or Exploratory
BLANCO MESAVERDE

11. Sec., T., R., M., or Block and Survey
or Area Sec 21 T29N R10W Mer NMP

12. County or Parish
SAN JUAN

13. State
NM

14. Date Spudded
04/11/2002

15. Date T.D. Reached
04/21/2002

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

17. Elevations (DF, KB, RT, GL)*
5684 GL

18. Total Depth: MD
TVD 6700

19. Plug Back T.D.: MD
TVD 6599

20. Depth Bridge Plug Set: MD
TVD

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

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	518		325		0	
7.875	4.500 J-55	10.5	0	6687		1545		3826	

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	6599							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BLANCO MESAVERDE	4163	4480	4163 TO 4480		36	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
	SPF →

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
06/12/2002	05/31/2002	24	→	0.0	1980.0	5.0			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	300	500.0	→					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	
			→						

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

ELECTRONIC SUBMISSION #12693 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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NO BLM

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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
				OJO ALAMO	773
				KIRTLAND	954
				FRUITLAND	1545
				PICTURED CLIFFS	1991
				LEWIS	2191
				CHACRA	2980
				CLIFFHOUSE	3622
				MENEFEE	3705
				POINT LOOKOUT	4270
				MANCOS	4711
				GALLUP	5483
				GREENHORN	6260
				TWO WELLS	6377
				CABARRO	6597

32. Additional remarks (include plugging procedure):

This well is a downhole commingled well in the Blanco Mesaverde and Basin Dakota. Attached are the daily reports.

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 #12693 Verified by the BLM Well Information System.
For CONOCO INC., sent to the Farmington

Name (please print) DEBORAH MARBERRYTitle SUBMITTING CONTACT

Signature _____ (Electronic Submission)

Date 07/11/2002

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.

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Daily Summary

API/UWI 300453090000	County SAN JUAN	State/Province NEW MEXICO	Surface Legal Location NMPM-29N-10W-21-C	N/S Dist. (ft) 805.0	N/S Ref. N	E/W Dist. (ft) 1850.0	E/W Ref. W
Ground Elevation (ft) 5684.00	Spud Date 4/11/2002	Rig Release Date 4/21/2002	Latitude (DMS) 36° 43' 0.48" N	Longitude (DMS) 107° 53' 31.8012" W			

Start Date	Ops This Rpt
5/6/2002 00:00	HELD SAFETY MEETING. MIRU COIL TBG. OPENED UP WELL. CSG PRESSURE 0 #. RIH W/ 3 7/8" MILL & BAKER MOTOR ON 1 3/4" COIL TBG. TAGGED CEMENT @ 3826'. 18' OF CEMENT ON TOP OF DV TOOL. DRILLED OUT CEMENT & DV TOOL @ 3844'. RIH & TAGGED CEMENT @ 6511'. CLEANED OUT FROM 6511' TO 6599'. CIRCULATED WELL CLEAN W/ 2 % KCL WATER. TESTED 4 1/2" CSG TO 4300 #. HELD OK. POOH W/ COIL TBG. RD CUDD COIL TBG.
5/10/2002 00:00	HELD SAFETY MEETING. RU BLUE JET. RAN GR/CCL LOG FROM 6594' TO 1500'. PERFORATED THE DAKOTA. RIH W/ 3 1/8" 90 DEGREE PP SELECT FIRE PERFORATING GUN. PERFORATED FROM 6436' - 6448' W/ 1 SPF, 6456' - 6464' W/ 1 SPF, 6490' - 6496' W/ 1 SPF, 6500' - 6506' W/ 1 SPF, 6531' - 6535' W/ 1 SPF, 6540' - 6548' W/ 1 SPF, 6552' - 6556' W/ 1 SPF. A TOTAL OF 55 HOLES. SWION. RD BLUE JET.
5/15/2002 00:00	HELD SAFETY MEETING. RU BJ SERVICES. FRAC'D THE DAKOTA. TESTED LINES TO 4800 #. SET POP OFF @ 3880 #. BROKE DOWN FORMATION @ 7 BPM @ 3364 #. DROPPED 36 BALL SEALERS IN 1500 GALS OF 15% HCL ACID AND 30 BALL SEALER @ 2 BALLS PER BBL @ 20 BPM @ 1178 #. A TOTAL OF 66 BALL SEALERS. GOOD BALL ACTION. BALLED OFF @ 3500 #. SHUT DOWN FOR 1 HR. WAITED ON BIO BALLS. PUMPED PRE PAD @ 45 BPM @ 3700 #. STEPPED DOWN RATE TO 35 BPM @ 2870 #. STEPPED DOWN RATE TO 28 BPM @ 2435 #. STEPPED DOWN RATE TO 16 BPM @ 1640 #. ISIP 969 #. 5 MIN 611 #. 10 MIN 466 #. 15 MIN 349 #. 20 MIN 263 #. FRAC'D THE DAKOTA W/ SLICKWATER. WELL SCREENED OUT ON .75 # SAND. PUMPED 33% OF FRAC. 25,000 # 20/40 BRADY SAND & 1944 BBLs FLUID. AVG RATE 51 BPM. AVG PRESSURE 3230 #. MAX PRESSURE 3900 #. MAX SAND CONS .75 # PER GAL. ISIP 1140 #. FRAC GRADIENT .65. SWI. RD BJ SERVICES.
5/20/2002 00:00	Road rig to location. Rig up and spot all equipment. Check well for pressure. Well on a vacuum. ND Frac Valve and NUBOP. Tested BOP'S - OK. Install Blooey line. Pick up in singles, and RIH with 2 3/8" tubing. RIH with 100 jts and unload well with air unit. Continue to RIH with 2 3/8" tubing. Tagged sand fill @ 6389', for 210' of sand fill. SHUT DOWN
5/21/2002 00:00	HELD SAFETY MEETING. RIH W/ 2 3/8" TBG. TAGGED @ 6389'. RU DRILL AIR. CLEANED OUT FROM 6389' TO 6599' - PBTD. CIRCULATED HOLE W/ DRILL AIR. PUH TO 6400'. SWION.
5/22/2002 00:00	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 950 #. RIH W/ 2 3/8" TBG. TAGGED @ 6599'. NO FILL. POOH W/ 2 3/8" TBG. INSTALLED FRAC VALVE & FRAC Y. SWION.
5/23/2002 00:00	HELD SAFETY MEETING. RU B J SERVICES. FRAC'D THE DAKOTA. TESTED LINES TO 4800 #. SET POP OFF @ 3880 #. PUMPED PRE PAD @ 18 BPM @ 3550 #. ISIP 1320 #. 5 MIN 130 #. 10 MIN 0 #. FRAC'D THE DAKOTA W/ 65 Q 25 # LINEAR FOAM, 62,000 # 20/40 BRADY SAND, 1,231,800 SCF N2 & 753 BBLs OF FLUID. AVG RATE 20 BPM. AVG PRESSURE 3445 #. MAX PRESSURE 3646 #. MAX SAND CONS 1.50 # PER GAL. ISIP 2180 #. FRAC GRADIENT .65. RU BLUE JET. ATTEMPTED TO RUN 4 1/2" FRAC PLUG. TAGGED @ 285' WOULD NOT GO ANY FURTHER. POOH W/ PLUG. RIH W/ 3.75" GAUGE RING. TAGGED @ 285'. RD BLUE JET & BJ SERVICES. RIGGED UP FLOWBACK. STARTED FLOWBACK @ 5:20 PM @ 750 # ON 12/64 CHOKE.
5/24/2002 00:00	24 Hour Flowback test.
5/28/2002 00:00	Held safety mtg. SICP=700#. Pull bull plug on surface pipe. Open up and o psi on surface pipe. Open csg. up and bleed well down. PU 3 7/8" impression block and RIH w/ 18 jts tbg. to 574'. No tight spot or bridge was found. POOH w/ tbg. RU impression block on sand line and RIH to 6000'. Pooh w/ sand line. Called for wireline. RU Blue jet wireline. PU 4.5" Baker frac plug. and RIH and set @ 4600'. POOH and PU 3 7/8" guns w/ 12g 306t charges w/ .34" charges. and RIH and perforate Point lookout and L. Menefee as follows: 4163'-4170', 4226'-4230', 4254'-4257' w/ 1 spf for a tot of 3 holes, 4322'-4334', 4352'-4358', 4400'-4406', 4462'-4466', 4474'-4480' w/ .5 spf for a tot. of 36 holes. RD wireline. RU frac "Y". Prep for frac. Secure well and SDFN.
5/29/2002 00:00	HELD SAFETY MTG. RU BJ Services frac unit. Pressure test lines to 4800#, Set pop-off @ 3820#. St water break down. Formaion broke @ 2200# . Pumped 24 bpm @ 2100#. ISDP=690#, FG=.60 . St 1000 Gal 15% hcl @ 10 bpm and 48 1.3 sg. Bio sealers. @ 798#. Showed good ball action and did not ball off. S/D wait for bio-balls for 40 min. Re-test lines.to 4800#. Set pop-off @ 3860#. Start pre-pad @ 40 bpm and 1842#. ISDP=0 Start 65Q slick foam pad @ 2222#, and 65 bpm . Start 1/2# sand @ 65 bpm & 2180#, start 1# @ 65 bpm and 2162#, start 2# @ 65 bpm & 2168#. Flushed w/61 foam bbl . ATP= 2180#, ATR= 65 bpm. 137,000# 20/40 brady. tot N2 891,700 . ISDP=1390#.FTR=1338 bbl. RD service company. RU flow back lines. Open well up on 1/8" choke @ 1:00 pm.w/ 800#. Release flowback to L&R @ 5:00pm w/ 400# on 1/8" choke. Well flowing heavy frac fluid and nitrogen w/ no sand. Leave flowing over night.
5/30/2002 00:00	RELIEVED FLOW BACK HAND @ 6:30 AM. FCP=800# ON 1/4" CHOKE. WELL FLOWED ON 1/8" CHOKE UNTIL 11: 00 PM @ 500#, MAKING MEDIUM FLUID AND NITROGEN W/ NO SAND.SWAPED OVER TO 1/4" CHOKE.FLUID GETTING LIGHTER AND PRESSURES INCREASING. 6:30 AM 800#. LET FLOW TILL 11:00 AM AND SWAP OVER TO 1/2" CHOKE. PSI 500#, W/ LIGHT FLUID AND NO SAND. TURN OVER TO DRY WATCH @ 5:00 PM. W/SAME PRESSURES.

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