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. NMSF078640

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

8. Lease Name and Well No.
SAN JUAN 28-7 UNIT 152E

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

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

9. API Well No.
30-039-26784

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

At surface NENW 1130FNL 1635FWL

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 21 T27N R7W Mer NMP

12. County or Parish
RIO ARRIBA

13. State
NM

DEC 2001
RECEIVED
OIL CON. DIV.
DIST. 3

14. Date Spudded
09/07/2001

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

16. Date Completed
☐ D & A ☒ Ready to Prod.
10/10/2001

17. Elevations (DF, KB, RT, GL)*
6522 GL

18. Total Depth: MD 7498 TVD

19. Plug Back T.D.: MD 7456 TVD

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
THERMAL DECAY TIME, CEMENT BOND

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		294		139		0	
8.750	7.000 J-55	20.0		3436		573		0	
6.250	4.500 J-55	11.0		7839		389		1285	

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	7352							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	BASIN DAKOTA	7248	7442	7248 TO 7442			
B)							
C)							
D)							

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

Depth Interval	Amount and Type of Material
7248 TO 7442	FRAC W/ 70,000# BRADY SAND; 30,000# SUPER LC AND 2586 BBLS OF FLUID

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
11/13/2001	10/10/2001	24	→	4.0	2508.0	2.0			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"	380 /	800.0	→					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
	/		→					

DEC 03 2001

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

ELECTRONIC SUBMISSION #9446 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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NMOCD

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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.)*
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
				OJO ALAMO	2176
				KIRTLAND	2264
				FRUITLAND	2704
				PICTURED CLIFFS	2929
				LEWIS	3329
				CHACRA	3851
				CLIFFHOUSE	4630
				MENEFEE	4655
				POINT LOOKOUT	5196
				MANCOS	5496
				GALLUP	6426
				GREENHORN	7136
				DAKOTA	7197

32. Additional remarks (include plugging procedure):
This well is currently completed in the Basin Dakota and will, later, be completed and DHC'd with the Blanco Mesaverde. Please see attached daily summary report for more detailed information.

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 #9446 Verified by the BLM Well Information System.
For CONOCO INC., sent to the Farmington
Committed to AFMSS for processing by Lucy Bee on 11/30/2001 ()

Name *(please print)* YOLANDA PEREZ Title COORDINATOR

Signature (Electronic Submission) Date 11/29/2001

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.

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SAN JUAN 28-7 UNIT 152E (AWS 9/24/2001)

Initial Completion

Daily Summary

API	County	State/Province	Surface Legal Location	NS Dist. (ft)	NS Flag	EW Dist. (ft)	EW Flag
300392678400	RIO ARRIBA	NEW MEXICO	NMPM-27N-7W-21-C	1130.0	N	1635.0	W

Ground Elev (ft)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)
6522.00	9/7/2001	9/15/2001	36° 33' 45.8892" N	107° 35' 0" W

Start	Ops This Rpt
9/24/2001	Held safety mtg. RU schlumberger wireline and mast truck.PU CBL logging tools and RIH and tag @ 7461'. RU stinger pressure pump and load csg. Put 1000# on csg. Run CBL w/GR/CCL/VDL from 7461' to 950' . TOC @ 1285' and falls completely out of cement @ 1210'.POOH w/ wireline.Pressure test csg. to 4300#. Bleed down. PU TDT logging tools. RIH and tag @ 7461' . Run TDT w/ GR/CCL from 7461' to 1950,'. POOH and RD services companys.Secure well and SDFN.
10/2/2001	Held safety mtg. SICP=0#. RU Blue jet wireline and mast truck. PU 3 1/8" csd. hole guns w/ 12g 306t 90^ pp charges and RIH and perforate DK sands as follows: 7248'-7266', 7322'-7330',7360'-7380',7398'-7405',7410'-7420',7436'-7442' . All shots are 2spf for a tot of 138 .34" holes. RD wireline. Secure well and SDFN.
10/3/2001	Held pre- job safety mtg. RU ,Stinger isolation tool. RU BJ Services frac unit. Pressure test lines to 4800#. Set and test pop-off @ 3820#. Sart B/D , Formation broke @ 3450#. Pumped @ 18 bpm & 2400#. Swap to 15% HCL @ 13 bpm & 1922#. Pumped 1000 gal. FG= .62 psi/ft. Start pre-pad w/ 3600# 100 mesh sand @ .25 ppg.@ 50.5 bpm & 3321#. Sart pad @ 50 bpm & 2653#. Start .5 # sand @ 50 bpm & 2547#. Start 1# sand @ 50 bpm & 2750#, Start 1.5# sand @ 50 bpm & 2714#. Called flush @ 1 ppg . Flushed w/ 110 bbl . Av. Rate = 50 bpm , Av psi= 2650#. 70,000# 20/40 brady, 30,000# 20/40 SLC. ISDP= 1650.Fluid to recover=2586 bbl. RD service companys . Secure well and SDFN. Densiometer was off by 34% and ran out of sand early in job. estimated density @ well bore =2.1 ppg. Discussed problem w/ bj managment and they assured me that it will be corrected.
10/5/2001	Held safety mtg.SICP=0psi. MI and spot rig and equipment. RU unit, pump,pit, weatherford air unit, accumulator. RD master valve and frac valve. NU BOP. RU blewie T and blewie lines. Inspect blind and pipe ram rubbers. They were bad. Called for new ram blocks. RU quadco and test rams. Blind rams and pipe rams did not hold on the high or low side. Contacted Knight oil tools and it was decided that they had rubbers of poor quality. Will change uot agin monday and re-try. Secure well and SDFN.
10/8/2001	Held safety mtg. SICP=0#. Install ram blocks. RU Quadco and test BOP's. test was good. PU MS,SN and TIH w/ 80 jts 2 3/8" tbg. and unload well. TIH w/ 90 js tbg. and unload @ 5368'.TIH w/ 65 jts and tag fill @ 7405'.C/O w/3 jts to PBTD of 7476'. Circulate clean and TOOH w/ 10 jts, Secure well and SDFN.
10/9/2001	Held safety mtg. SICP=2200#. Blow csg down and kill tbg. TIH w/ 10 jts tbg. and tag @ 7462'. C/O to pbtd of 7476'. Circulate clean. Formation giving up light sand and light water. Blow well clean remainder of day.POOH w/ 10 jts. Secure well and SDFN.
10/10/2001	Held safety mtg. SICP=2100#. Bleed csg. down, kill tbg. TIHw/ 10 jts and did not tag any fill. POOH w/ 5 jts. and land tbg. @ 7352' w/kb. ND, BOP, NU well head. Get flowing up tbg. and test Dakota formation. TEST IS AS FOLLOWS: 2 3/8" TBG. SET @ 7352' W/KB TESTED W/ 1/2" CHOKE.. COEFICIENT OF 6.6 DAKOTA PERFS. 7248' TO 7442' SICP=800# FLOWING TBG. PSI=380# PRODUCTION=2508 MCFPD 3 TO 5 BOPD 2 BWPD 0 SAND TEST WITNESSED BY T. MONK W/ KEY ENERGY SERVICES. SI well RD unit and equipment. Final report. Turn well over to operator and EPNG for production as soon as the facilities are complete. They are scheduled to start on 10/12/2001.