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. NMSF079294

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.: SAN JUAN 28-7 UNIT 227G

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

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

9. API Well No.: 30-039-26959-00-C1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface: Sec 36 T28N R7W Mer NMP SWSE 400FSL 1855FEL
At top prod interval reported below
At total depth

10. Field and Pool, or Exploratory: BASIN

11. Sec., T., R., M., or Block and Survey or Area: Sec 36 T28N R7W Mer NMP

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

14. Date Spudded: 07/14/2002
15. Date T.D. Reached: 07/21/2002
16. Date Completed ☐ D & A ☒ Ready to Prod. 08/15/2002
17. Elevations (DF, KB, RT, GL)*: 6142 GL

18. Total Depth: MD 7325 TVD
19. Plug Back T.D.: MD 7317 TVD
20. Depth Bridge Plug Set: MD TVD

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

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	236		120		0	
9.750	7.000 J-55	20.0	0	~~3100~~ 3085		550		0	
6.250	4.500 J-55	11.0	0	7320		470		1920	

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	7201							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	DAKOTA	7070	7256	7070 TO 7256		61	OPEN
B)							
C)							
D)							

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

Depth Interval	Amount and Type of Material
7070 TO 7256	FRAC W/2823 BBLS SLICKWATER, 65,569# 20/40 SAND, 3

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
08/26/2002	08/13/2002	24	→	0.0	561.0	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	85 SI	240.0	→					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
OCT 0 2 2002
FARMINGTON FIELD OFFICE
BY

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

ELECTRONIC SUBMISSION #14645 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

NMOCD

	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

d for fuel, vented, etc.)

nclude Aquifers):

porosity and contents thereof: Cored intervals and all drill-stem
il tested, cushion used, time tool open, flowing and shut-in pressures

31. Formation (Log) Markers

Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
0	995		OJO ALAMO	2102
995	1991		KIRTLAND	2165
1991	2134		FRUITLAND	2528
			PICTURED CLIFFS	2803
			CHACRA	3762
			CLIFF HOUSE	4440
			MENEFEE	4594
			POINT LOOKOUT	5048
			GALLUP	6286
			GREENHORN	6967
			DAKOTA	7055

plugging procedure):
mmingled well producing from the Basin Dakota and Blanco
the daily summaries.

gs (1 full set req'd.) 2. Geologic Report 3. DST Report 4. Directional Survey
ıg and cement verification 6. Core Analysis 7 Other:

going and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #14645 Verified by the BLM Well Information System.
For CONOCO INC, sent to the Farmington
Committed to AFMSS for processing by Adrienne Garcia on 10/02/2002 (03AXG0019SE)

AH MARBERRY Title SPECIALIST

nic Submission) Date 09/30/2002

Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency
titious or fradulent statements or representations as to any matter within its jurisdiction.

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

API/UWI	County	State/Province	Surface Legal Location	N/S Dist. (ft)	N/S Ref.	E/W Dist. (ft)	E/W Ref.
300392695900	RIO ARRIBA	NEW MEXICO	NMPM-28N-7W-36-O	400.0	S	1855.0	E

Ground Elevation (ft)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)
6142.00	7/14/2002	7/22/2002	36° 36' 40.5612" N	107° 31' 17.7492" W

Start Date	Ops This Rpt
7/25/2002 00:00	HELD SAFETY MEETING. RU SCHLUMBERGER. INSTALLED FRAC VALVE. PRESSURED UP CSG TO 2000 #. RAN CBL LOG FROM 7296' TO 1720'. TOP OF CEMENT @ 1920'. RAN TDT LOG FROM 7296' TO 1900'. RAN GR/CCL LOG FROM 7296' TO SURFACE. TESTED 4 1/2" CSG TO 4300 #. HELD OK. RD SCHLUMBERGER.
8/1/2002 00:00	RU Blue Jet. RIH and perforate 4-1/2" casing in Dakota formation as follows: 7070-76, 7082-7098, 7104-7122, 7188-7208, 7224-7233, 7250-7256. 61 holes total. Prep to frac. M.M.
8/2/2002 00:00	Frac Job - Dakota Perfs 7070-7256 61 holes Held safety meeting. Test lines to 5268-5260 in 5 mins. Break down: Perfs broke @ 11 BPM @ 2750 psi. Ball job: Increased rate to 22 BPM @ 2334 psi. Dropped 72 1.3 SG ball sealers in 24 bbls 15% HCL acid and 2% KCL water, 21 BPM @ 2320. Balled off to 3850 psi. Shut down. Surged balls off. SI pressure 1000 psi. RU Blue Jet. Retrieved balls. Recovered 71 of 71 balls. Re-test l nes: Test lines to 5008-4970 in 5 mins. Poppped -off 2X @3970 psi. Step rate test: Start rate and pressure, 20 BPM @ 1755, increased to 36 BPM @ 3534 1st step: 29 BPM @ 2950 2nd step: 20 BPM @ 2188 3rd step: 12 BPM@ 1740 ISIP: 1352 psi. Frac Gradient: .627 30 min shut in: 580 psi. Frac: Slickwater Pad: 31 BPM @ 2910, 40 BPM @ 3414, 52 BPM@ 3010 61 @ 2830, 65.5 BPM@ 3036 psi. 65.4 @ 3150 psi. ? ppg : 65 BPM @ 3155, 70 BPM@ 3322 ? ppg: 70 BPM @ 3353 (.77 ppg @ screws) Lost o-ring on chicksan, cut sand and pumped 53 bbls flush, brought rate down slowly. Shut down, repaired chicksan. Pressured lines to 1080 psi. Opened well. SIP: 1465 psi. Resumed job: Pad 30 BPM @ 2030 psi, 54 BPM @ 2920. Start ? ppg: (75 bbls stg) 57 BPM@ 3039. Start ? ppg: 57 BPM @ 3039, incr r/ (75 bbls stg) Start 1 ppg: 65.5 BPM @ 3245, (1.03 ppg @ screws), 65.5 BPM @ 3302, 3402, 3500, 3585 cut sand at the hopper, call flush @ ? ppg @ hopper (no inline denso), 65.5 @ 3600 psi, Flush: 58 BPM @ 3372-3537-3608, 33 BPM@ 2680 psi. ISIP: 1885 5 MIN: 1655 PSI 2823 bbls 2%KCL slickwater + 65,569 lbs 20/40 sand. 3138 bbls 2% KCL water total (all inclusive) Max: 3516 Min: 2600 Avg: 3263 AIR: 65 BPM Blue Jet set CIBP @ 5250'. Pressure test CIBP to 3900 psi, test OK. Bled pressure off. Blue Jet Perf'd 4-1/2" casing in PLO formation as follows: 5138-36-34-32-30-5118-16-14-12-10-5098-96-94-92-90-88-86-84-82-80-78-76-74-72-70-68-66-64-62-60-58-56-54-52. 36 holes total. SWI-SDON. M.M.
8/3/2002 00:00	SEE ATTACHED REPORTS IN WORD DOCUMENT M.M.
8/5/2002 00:00	HELD SAFETY MTG. SICP=125#. SPOT AND RU UNIT AND EQUIPMENT. BLEED DOWN CSG AND KILL. ND FRAC VALVE. NU BOP. AND TEST 250# LOW, AND 5000# HIGH. TEST WAS GOOD. RU BLOOIE LINES. SECURE WELL AND SDFN. A.W.S.
8/6/2002 00:00	HELD SAFETY MTG. SICP= 560#. BLEED OFF CSG. PU 3 7/8" MILL AND TIH PICKING UP W/ 135 JTS 2 3/8" TBG. TAGGED FILL @ 4246'. BUILD AIR MIST AND UNLOAD HOLE AND START CLEANING OUT. C/O W/ 12 JTS TO 4630'. CIRCULATE CLEAN. TOOH W/ 13 JTS. SECURE WELL AND SDFN.
8/7/2002 00:00	HELD SAFETY MTG. SICP= 560# BLEED OFF CSG. TIH W/ 12 JTS 2 3/8" TBG. AND TAG FILL @ 4589'. CLEAN OUT W/ 4 JTS TO PLUG @ 4700'. RU SWIVEL AND DRILL PLUG. TIH W/ 13 JTS AND TAG FILL @ 5129'. FINISH DRILLING PLUG AND CLEAN OUT TO 5194'. MAKING 2 CUPS SAND PER 5 GAL WATER. NOT MUCH FLEX SAND IN SAMPLES. TOOH W/ 31 JTS. SECURE WELL AND SDFN. AWS.

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Start Date	Ops This Rpt
8/8/2002 00:00	HELD SAFETY MTG. SICP=760#. BLEED CSG DOWN. TIH W/31 JTS AND TAGGED FILL @ 5177'. BUILD AIR MIST AND C/O TO 5200'. CIRCULATE CLEAN. POOH W/ 26 JTS AND HANG TBG. @ 4350'. FLOW TEST MV SANDS AS FOLLOWS: MV PERFS TESTED - 4446'-5138' 2 3/8" TBG. SET @ 4350' TESTED ON 1/2' CHOKE W/ COEFICIENT OF 6.6 FTP= 175# SICP= 240# MV PRODUCTION= 1155 MCFPD 1 BWPD 0 BOPD O BCPB 0 SAND. TEST W TNESSED BY T.MONK W/ KEY ENERGY SERVICES SECURE WELL AND SDFN. AWS.
8/9/2002 00:00	HELD SAFETY MTG. SICP= 640#. BLEED CSG. DOWN. TIH W/ 27 JTS 2 3/8" TBG AND TAG FILL @ 5192'. C/O TO PLUP @ 5250'. PU SWIVEL AND DRILL PLUG. TIH W/ 62 JTS AND TAG FILL @ 7198'. CONTINUE TO C/O TO PBTD OF 7314'. CIRCULATE CLEAN.POOH W/ 95 JTS. SECURE WELL AND SDFN. AWS.
8/12/2002 00:00	HELD SAFETY MTG. SICP=800# bleed csg. down.tih w/ 95 jts and tag fill @ 7306'. Build air mist and c/o to PBTD 7314'. Circulate clean.POOH w/ 95 jts. Secure well and SDFN.
8/13/2002 00:00	HELD SAFETY MTG. SICP=730# BLEED CSG. DOWN. TOOH W/ 138 JTS 2 3/8" TBG. AND LD MILL. PU 4.5" RTTS PKR AND TBG. VALVE. TIH W/222 JTS 2 3/8" TBG. SET PKR @ 6985'. OPEN WELL UP TBG. ON 1/2" CHOKE AND TEST DK PERFS. TEST IS AS FOLLOWS: DK PERFS TESTED -7070-7256' TBG. SET @ 6985' TESTED W/ 1/2" CHOKE --- (6.6 COEFICIENT) FTP=85# SICP=240# DK PRODUCTION= 561 MCFPD 5 BWPD O BOPD O BCPD 0 SAND TEST WITNESSED BY T. MONK W/ KEY ENERGY SERVICES RELEASE PKR. POOH W/ 222 JTS TBG. AND LD PKR. PU MS AND TIH W/ 222 JTS 2 3/8" TBG.SECURE WELL AND SDFN. AWS.
8/14/2002 00:00	HELD SAFETY MTG. SICP=740# BLEED CSG. DOWN . TIH W/ 11 JTS 2 3/8" TBG. TAG FILL @ 7295'. CLEAN OUT TO PBTD OF 7314'. TOOH W/ 97 JTS TBG. GET WELL FLOWING UP TBG. RU SCHLUMBERGER WIRELINE. PU PRODUCTION LOGGING TOOLS AND RIH AND LET PSI STABELIZE. RUN PL OVER DK AND MV INTERVALS.WILL SEND RESULTS TO HOUSTON ENGINEERING. POOH W/ WL. SECURE WELL AND SDFN. AWS.
8/15/2002 00:00	HELD SAFETY MTG. SICP= 720# BLEED CSG. DOWN TOOH W/ 136 JTS TBG. PU MS,SN AND TIH W/ 233 JTS AND TAGGED NO FILL. POOH W/ 4 JTS AND LAND TBG. @ 7201' W/ KB. ND BOP, NU MASTER VALVE. GET FLOWING UP TBG. AND DHC TEST TEST IS AS FOLLOWS: DK PERFS- 7070'-7256' MV PERFS 4446'-5138' TBG. SET @ 7201' W/ KB FTP=250# SICP=580# DHC PRODUCTION=1650 MCFPD 5 BWPD 0 BOPD 0 BCPD 0 SAND TEST WITNESSED BY T.MONK W/ KEY ENERGY SERVICES RD UNIT AND EQUIPMENT. TURN OVER TO OPERATOR AND ENPG FOR PRODUCTION. AWS.